



WATER QUALITY

IMPROVEMENT PROGRAM

VALERIE ALLEY— NRDA PROGRAM COORDINATOR, MISSISSIPPI DEPT. OF ENVIRONMENTAL QUALITY
THOMAS STRANGE— SENIOR SCIENTIST, COVINGTON CIVIL AND ENVIRONMENTAL



SURFACE WATER RESOURCES

- ~82,000 miles of rivers and streams
- ~260,000 acres of lakes and reservoirs
- ~750 square miles of estuaries/harbors/bays
- ~84 coastal miles
- ~2.7 million acres of freshwater and tidal wetlands

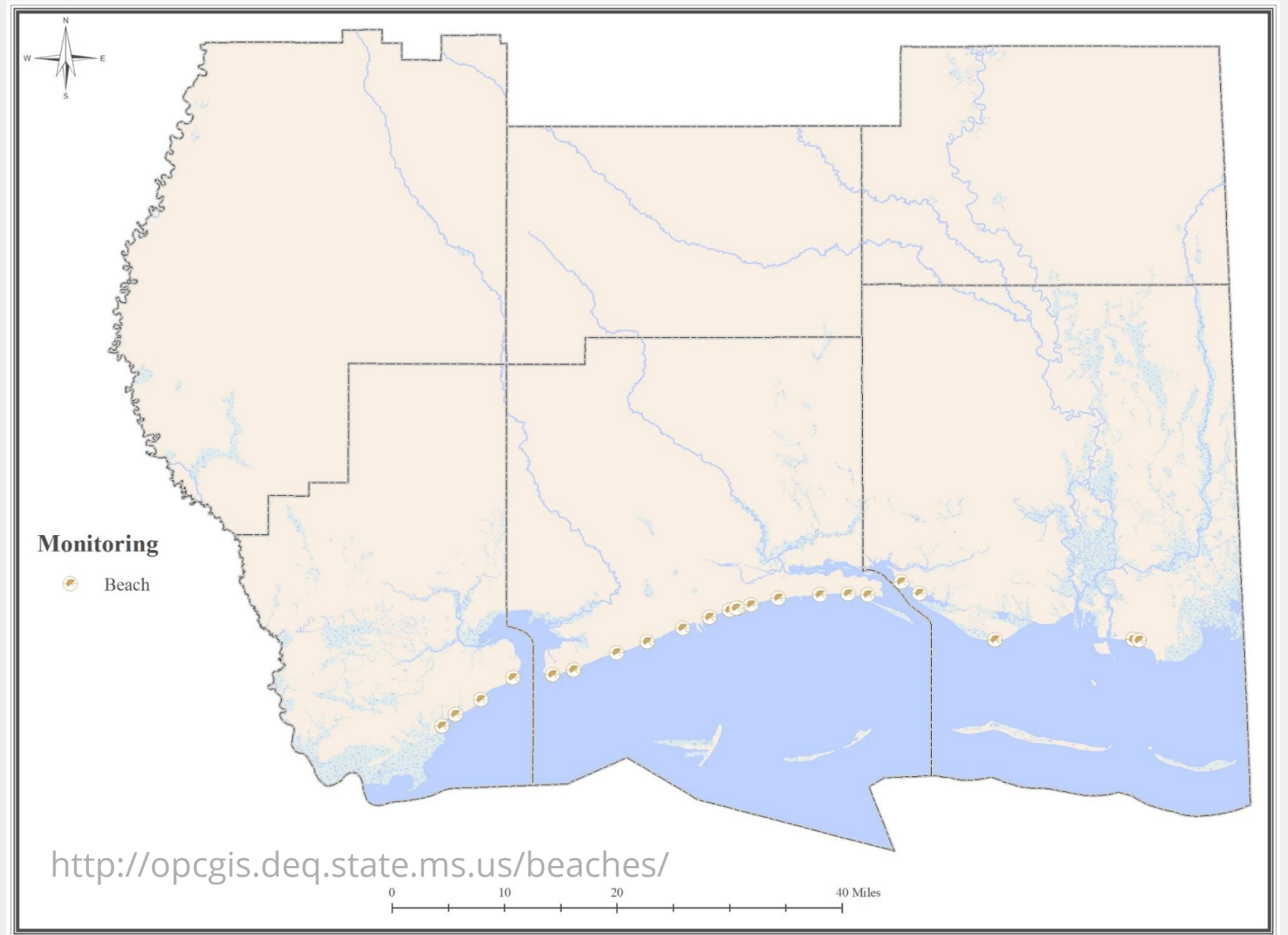


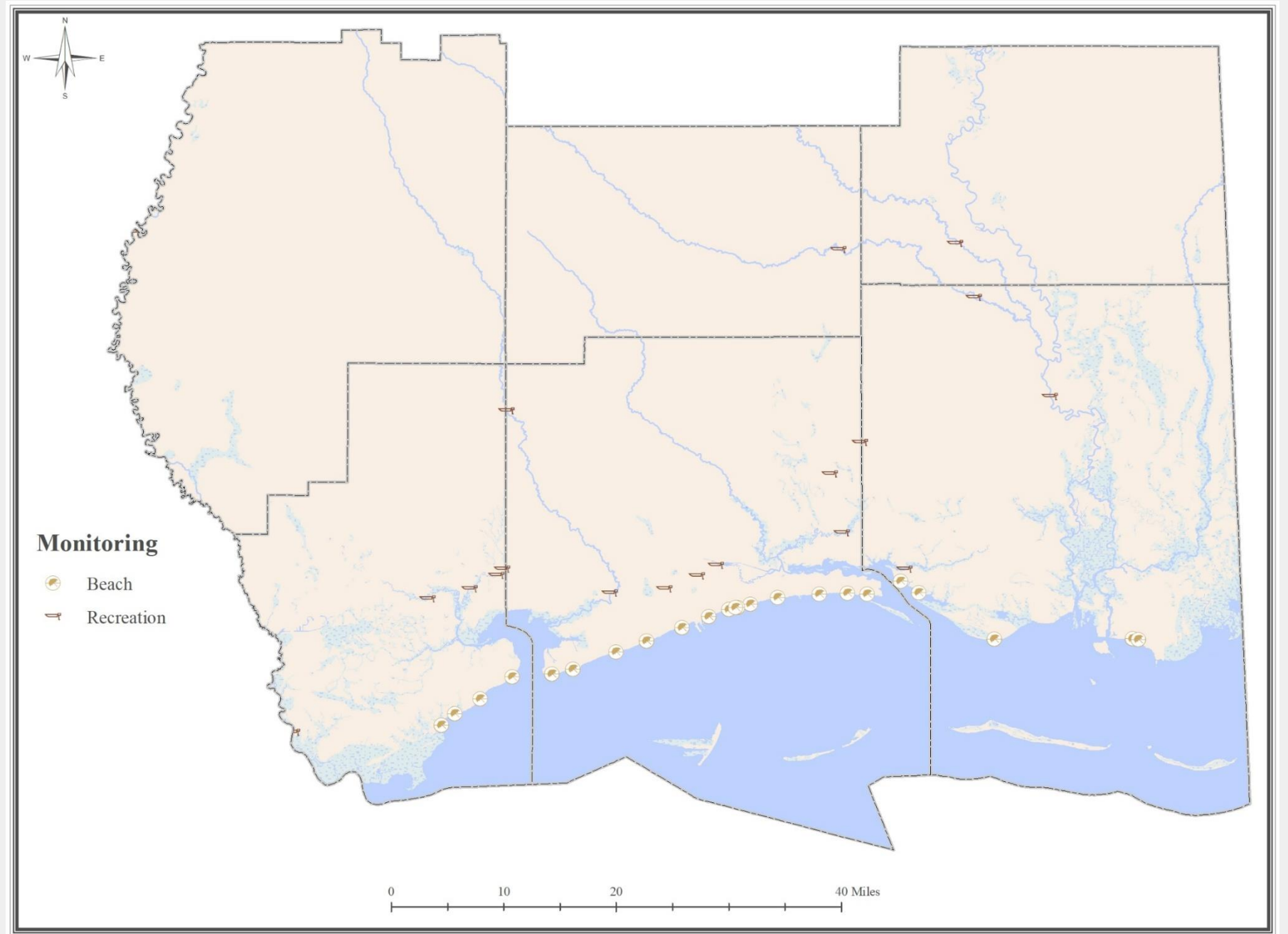
2017 RESTORATION SUMMIT

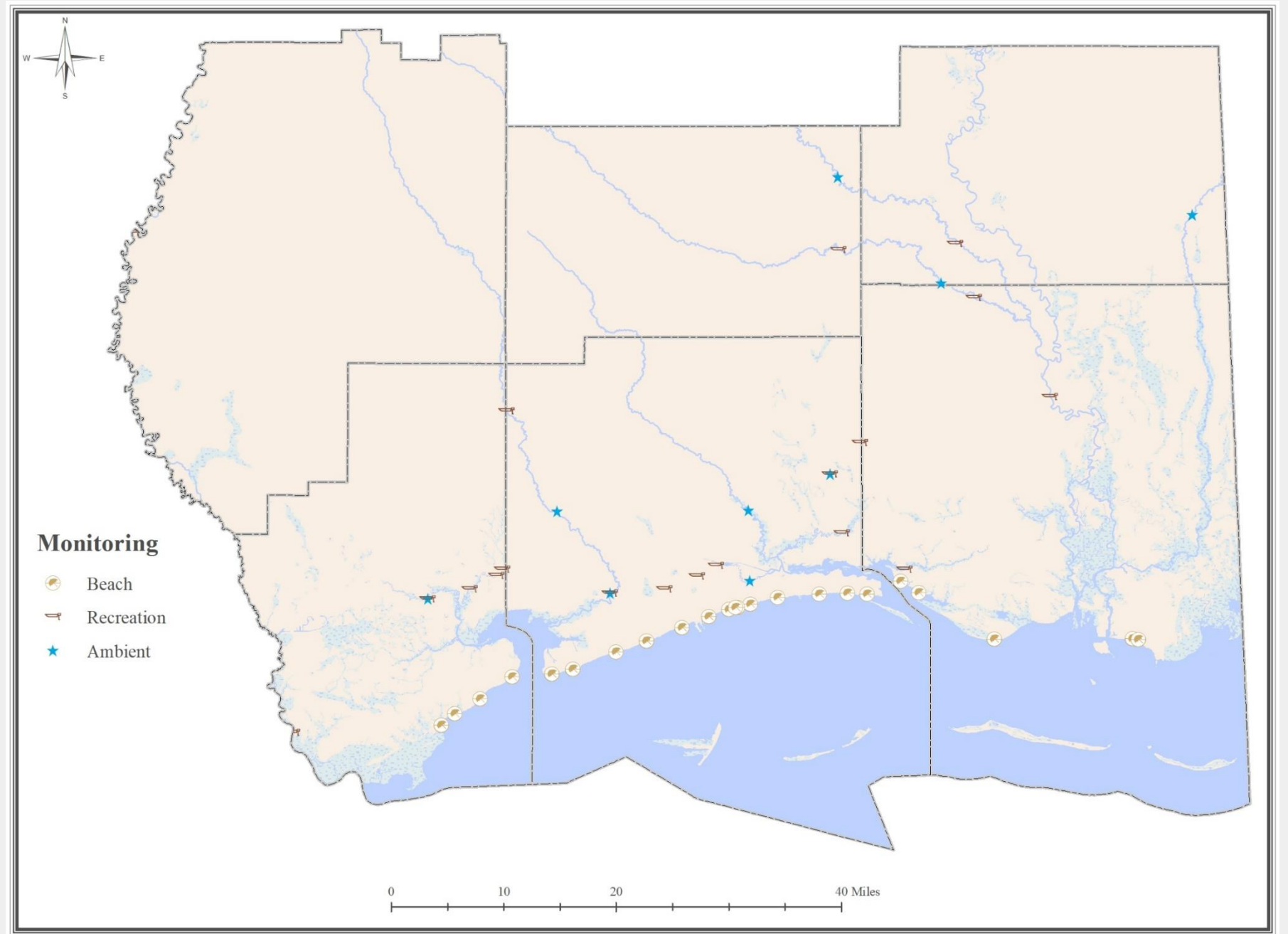


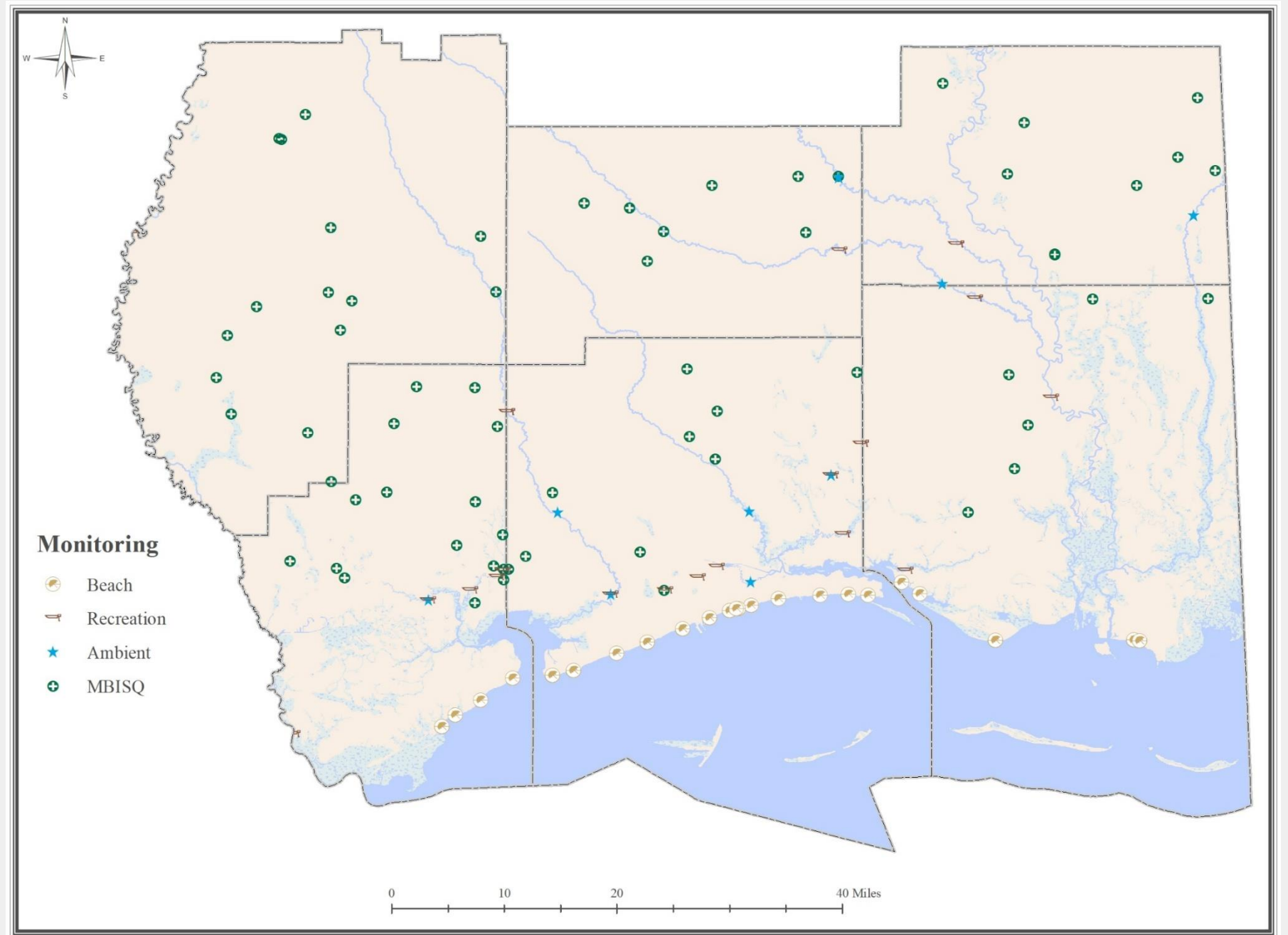
SURFACE WATER USES

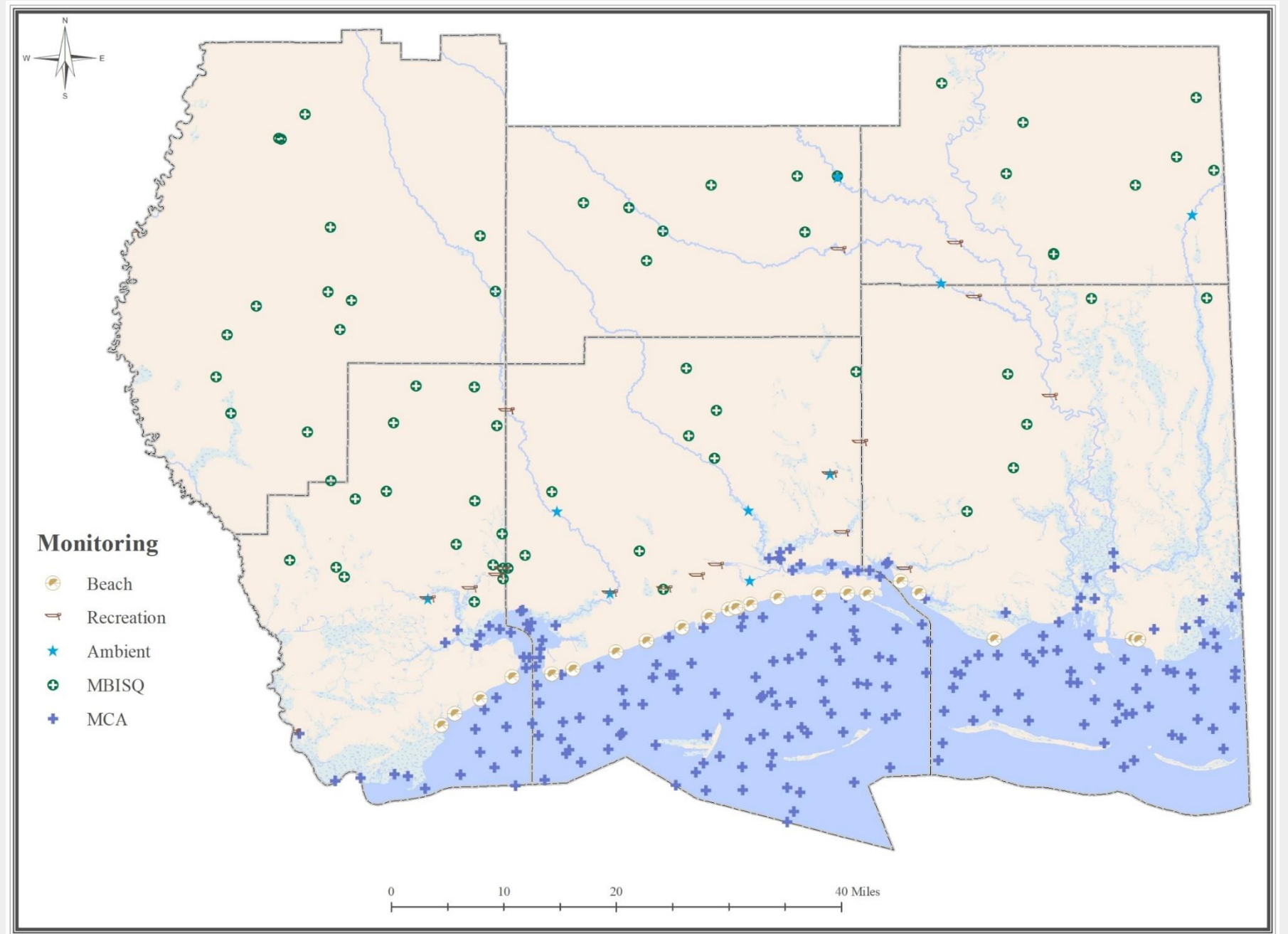
- Fishing
- Swimming
- Water sports
- Supporting wildlife
- Drinking water

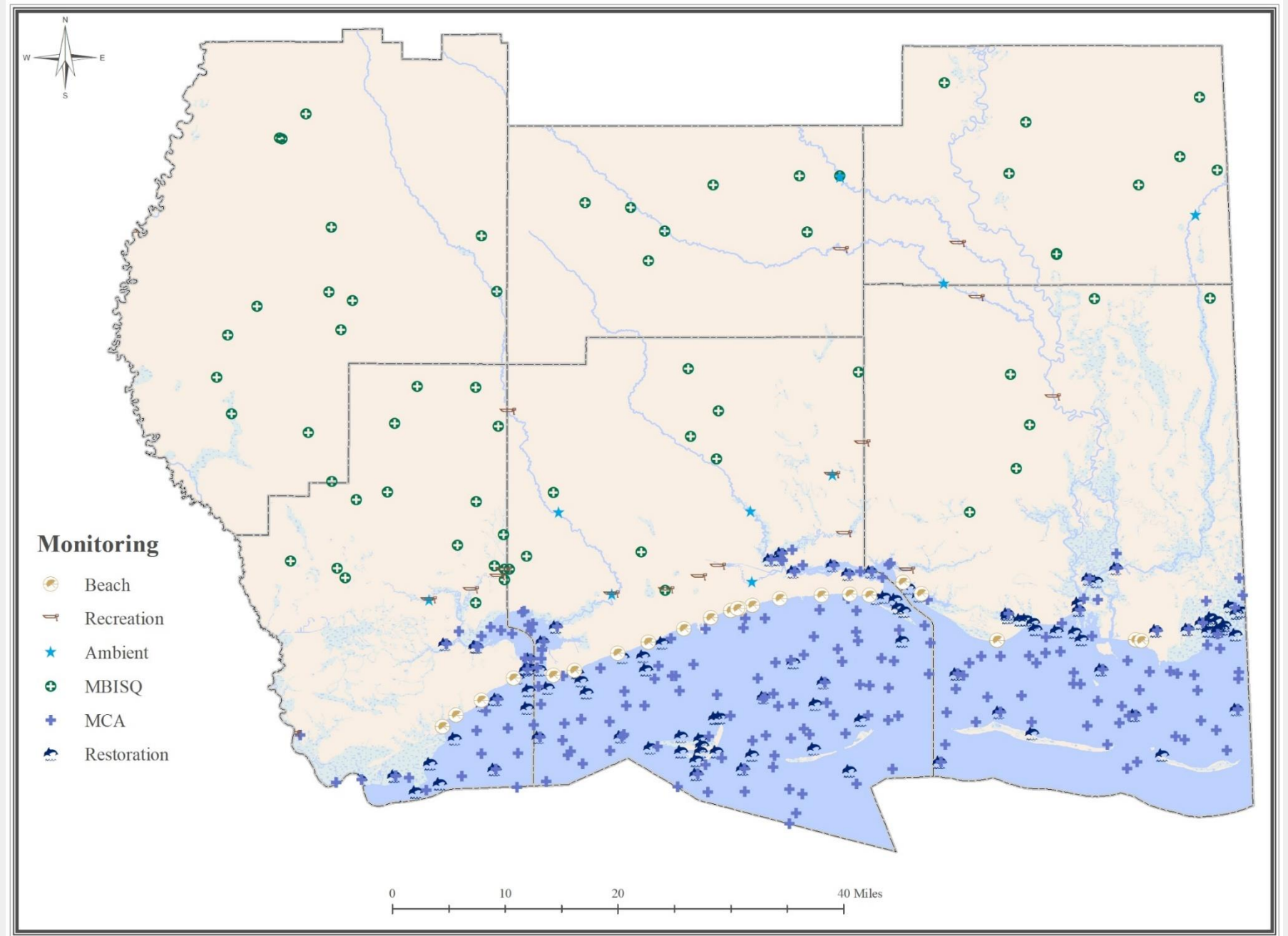




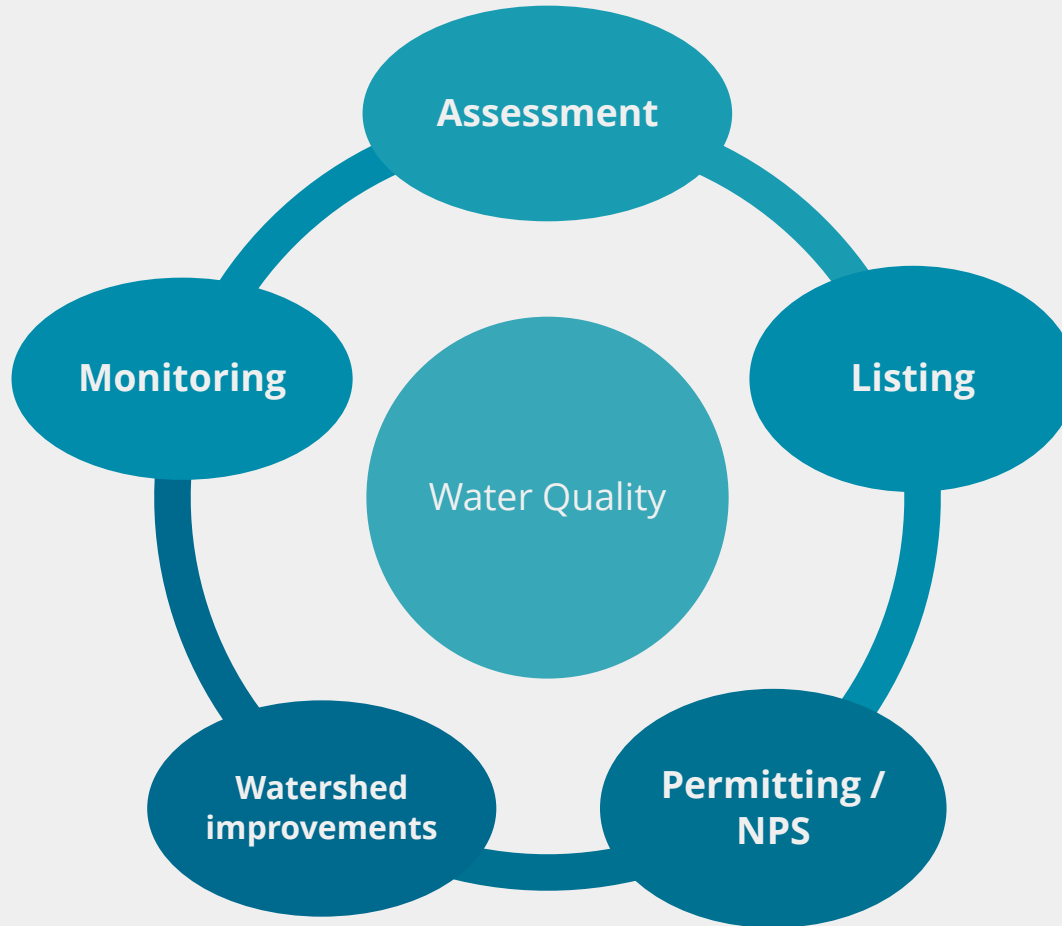








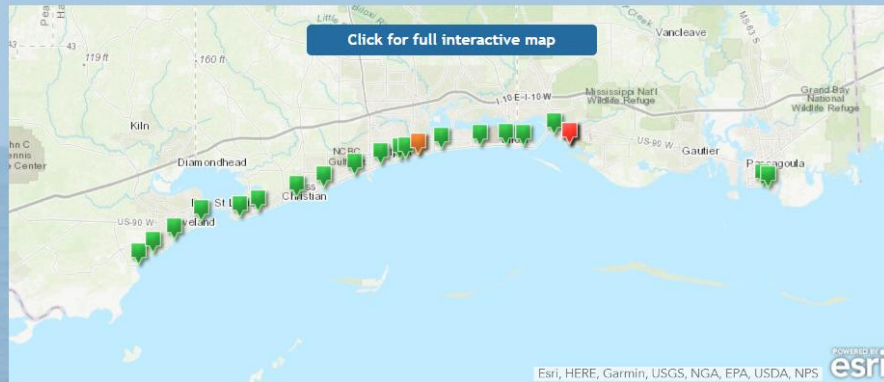
HOW ARE THE DATA USED?



Mississippi Beach Monitoring Program

[HOME](#)[STORY MAPS](#)[MORE INFO](#)[CONTACT](#)

Mississippi Beaches Status Update:
BEACH CLOSURE IN EFFECT. Details below.



BEACH CLOSURES:

- 2017-11-03 until further notice - The beaches are closed to public access as a public health precaution until the hurricane debris is removed and until water sampling and analysis can resume. The water quality contact closures will remain in place until two consecutive samples indicate bacteria levels no longer pose a risk to human health. Sand beach areas may open for public use at the discretion of local city and county officials, however, water access

Beach monitoring data are used daily to add or remove swimming advisories to protect public health.

The data collected in this program has also allowed MDEQ to identify public beaches

- where the designated use of recreation was not met
- generating the TMDLs for pathogens
- led to changes in wastewater treatment along the coast

However we still have issues with swimming advisories



2017 RESTORATION SUMMIT

Water Quality Improvement

Two-Pronged Approach

- Watershed Health through Land Conservation
- Urban Infrastructure Improvements

Conserve and Restore Coastal Lands



Protect Water Resources



Downstream Benefits

Downstream Benefits

Repair Failing Infrastructure in Identified Areas



Sustaining Coastal and Marine Resources

Enhanced Water Quality Monitoring of Discharges to Isolate Problem Areas



IN-SHORE WATER QUALITY: **SETTING THE SCENE**



- The Mississippi coast has ~ 34 miles of beach in municipalities
- The beaches contain approximately 200 outfalls on or under the sand that drain directly into the Mississippi Sound
- Beach advisories due to high bacteria counts is a large issue with many stretches of beach under advisory for weeks annually.

GOAL: Decrease Beach Advisories

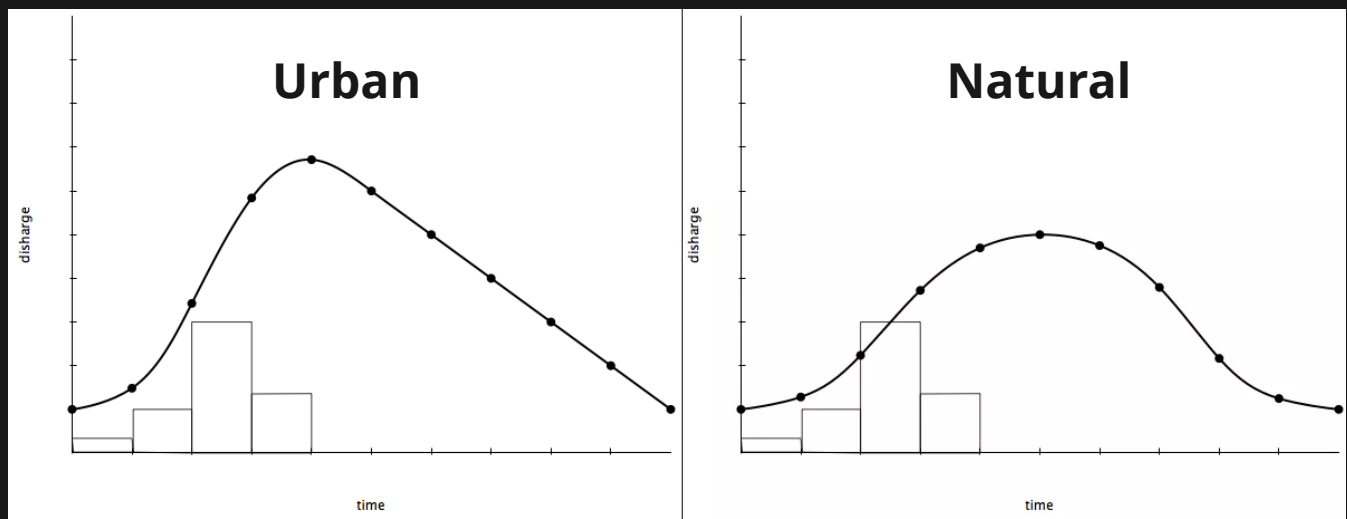


IN-SHORE WATER QUALITY UNDERSTANDING THE PROBLEM

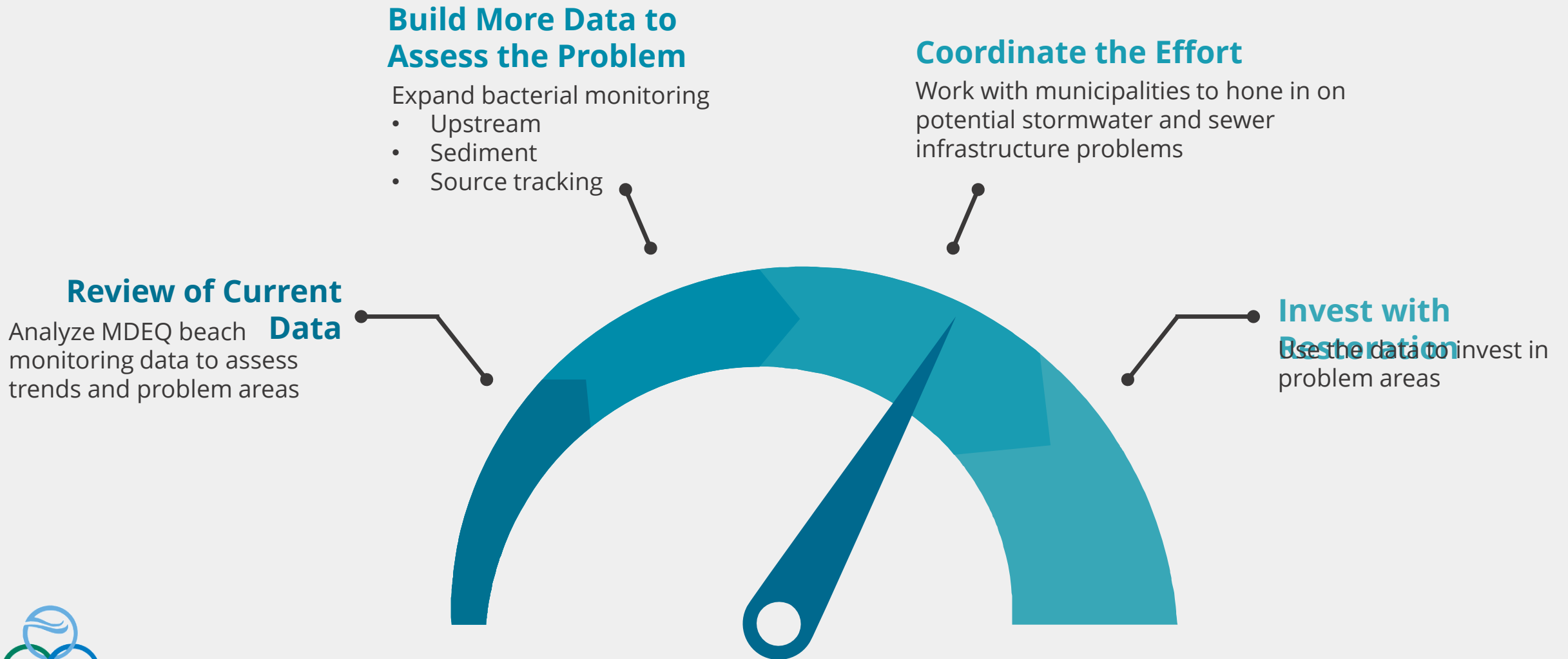
IN-SHORE WATER QUALITY: UNDERSTANDING THE PROBLEM



IN-SHORE WATER QUALITY: UNDERSTANDING THE PROBLEM



PROCESS TO ACHIEVE IN-SHORE WATER QUALITY GOAL

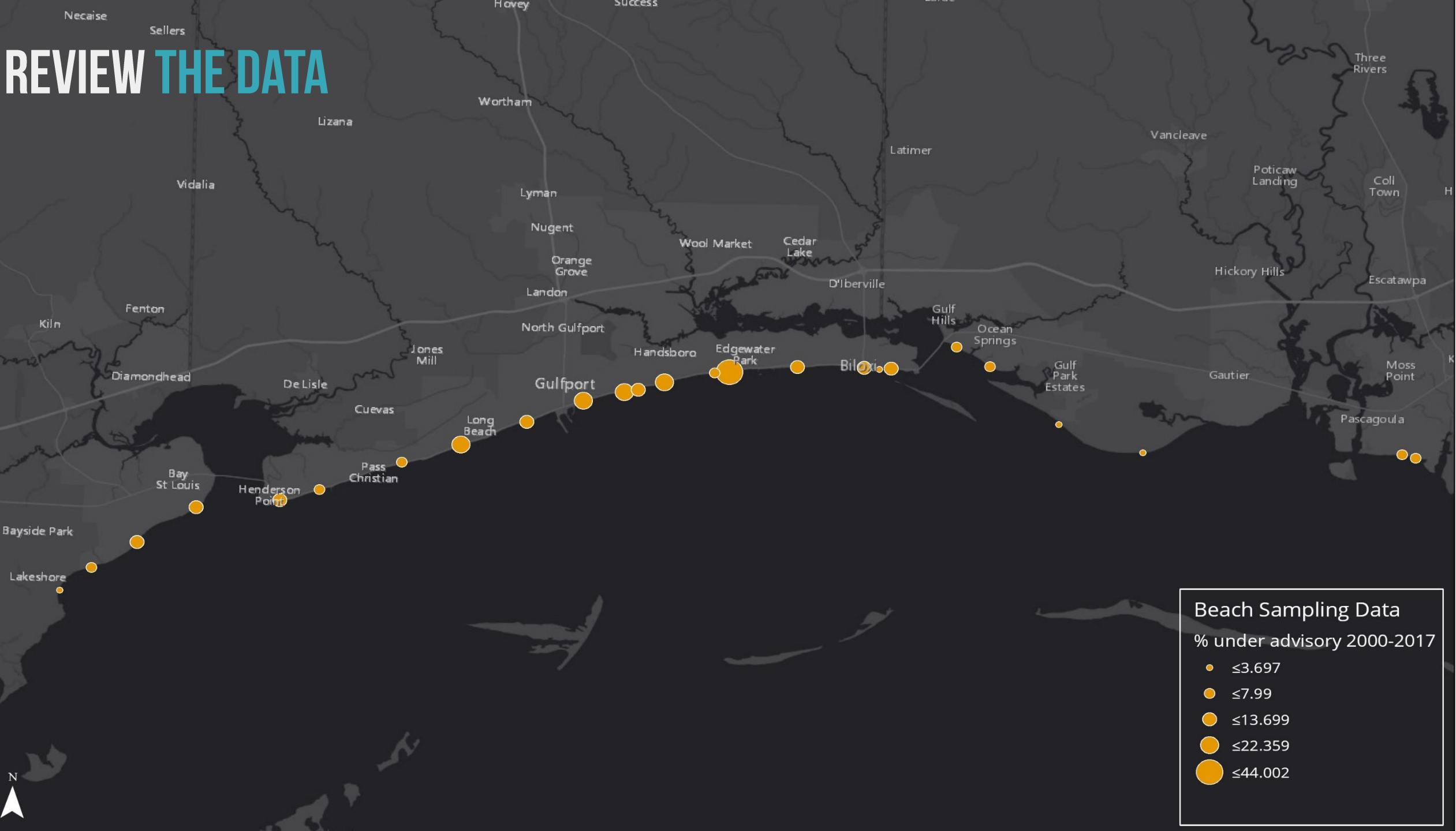


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Sellers

REVIEW THE DATA

Liz



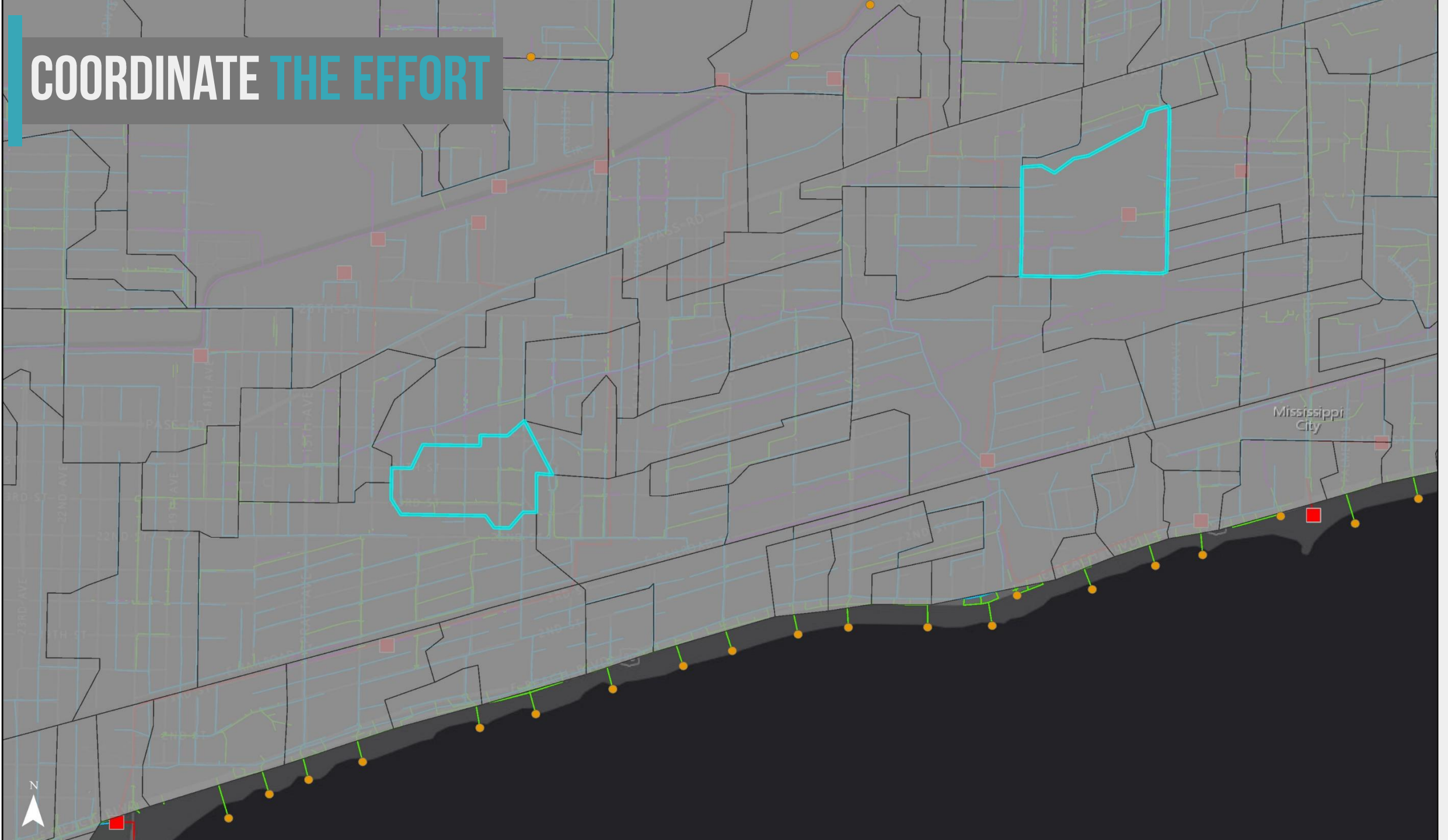
BUILD THE DATA TO BETTER ASSESS THE PROBLEM



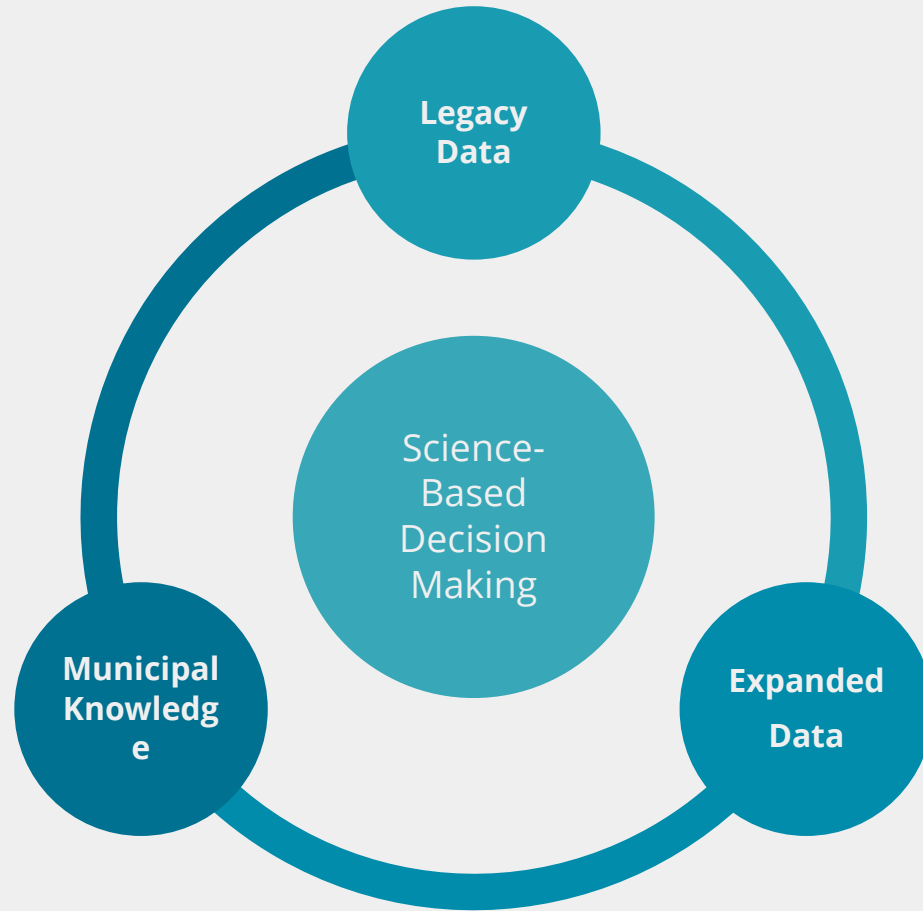
- Upstream Sampling
- Sediment Sampling
- Source Tracking



COORDINATE THE EFFORT



RESTORATION INVESTMENT



\$60 MILLION INVESTMENT

- **RESTORE B3: \$49 MILLION**
- **RESTORE B1: \$11 MILLION**



THANK YOU

For more information, visit www.restore.ms.

