

GULF OF MEXICO ALLIANCE

**Implementation Status Brief
Stephanie Bailenson (FL DEP)**

August 23, 2007

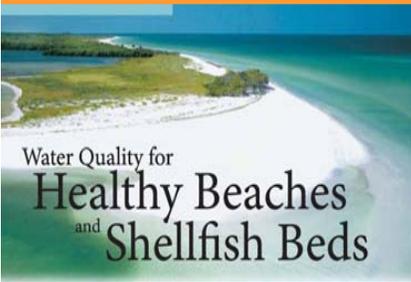
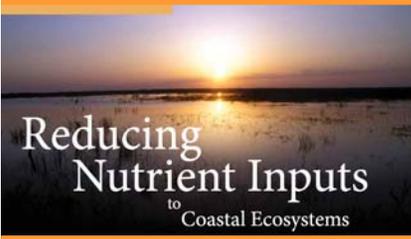
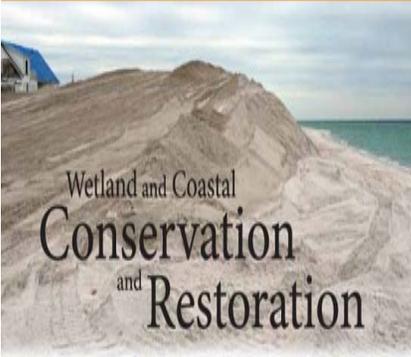
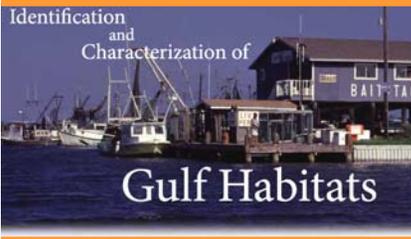


GULF OF
MEXICO
ALLIANCE

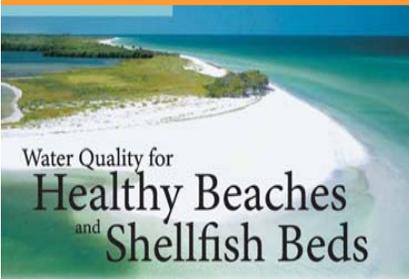
GOVERNORS' ACTION PLAN

**For Healthy and
Resilient Coasts**

March 2006 - March 2009

 <p>Water Quality for Healthy Beaches and Shellfish Beds</p>	WQ-1: Improve harmful algal bloom detection and forecasting in the U.S. and Mexican Gulf States	WQ-1.A.1	WQ-1.A.7	WQ-2: Improve beach water quality Management	WQ-2.A.1	WQ-2.A.7	WQ-3: Improve government efficiency in water quality Monitoring	WQ-3.A.1	
		WQ-1.A.2	WQ-1.A.8		WQ-2.A.2			WQ-3.A.2	
		WQ-1.A.3	WQ-1.A.9		WQ-2.A.3			WQ-3.A.3	
		WQ-1.A.4	WQ-1.A.10		WQ-2.A.4			WQ-3.A.4	
		WQ-1.A.5	WQ-1.A.11		WQ-2.A.5				
		WQ-1.A.6	WQ-1.A.12		WQ-2.A.6				
 <p>Reducing Nutrient Inputs to Coastal Ecosystems</p>	N-1: Increase regional coordination in the development of nutrient criteria	N-1.A.1	N-1.A.6	N-2: Implement Nutrient reduction activities during Gulf recovery and rebuilding	N-2.A.1	N-2.A.6	N-3: Assert an aligned, Gulf States position on the need to address Gulf of Mexico hypoxia	N-3.A.1	
		N-1.A.2			N-2.A.2			N-3.A.2	
		N-1.A.3			N-2.A.3			N-3.A.3	
		N-1.A.4			N-2.A.4			N-3.A.4	
		N-1.A.5			N-2.A.5			N-3.A.5	
 <p>Wetland and Coastal Conservation and Restoration</p>	R-1: Streamline coastal restoration and conservation Efforts	R-1.A.1	R-1.A.8	R-2: Increase the safety of Gulf communities by better understanding the risks of localized sea level rise, storm surge and subsidence	R-2.A.1	R-2.A.8			
		R-1.A.2	R-1.A.9		R-2.A.2				
		R-1.A.3			R-2.A.3				
		R-1.A.4			R-2.A.4				
		R-1.A.5			R-2.A.5				
		R-1.A.6			R-2.A.6				
		R-1.A.7			R-2.A.7				
 <p>Identification and Characterization of Gulf Habitats</p>	ID-1: Create and provide access to interactive habitat maps for priority Gulf of Mexico habitats	ID-1.A.1	ID-1.A.6						
		ID-1.A.2	ID-1.A.7						
		ID-1.A.3							
		ID-1.A.4							
		ID-1.A.5							
 <p>Environmental Education</p>	ED-1: Galvanize local communities to protect the Gulf of Mexico through targeted education	ED-1.A.1	ED-1.A.6	ED-2: Conduct a public awareness campaign for the Gulf of Mexico	ED-2.A.1				
		ED-1.A.2	ED-1.A.7		ED-2.A.2				
		ED-1.A.3							
		ED-1.A.4							
		ED-1.A.5							

**Total
Actions
= 73**



WQ-1:
Improve harmful algal bloom detection and forecasting in the U.S. and Mexican Gulf States

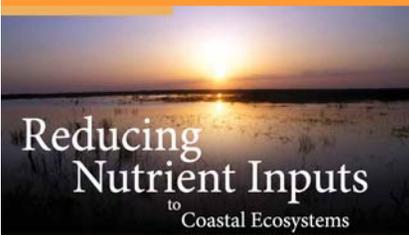
WQ-1.A.1	WQ-1.A.7
WQ-1.A.2	WQ-1.A.8
WQ-1.A.3	WQ-1.A.9
WQ-1.A.4	WQ-1.A.10
WQ-1.A.5	WQ-1.A.11
WQ-1.A.6	WQ-1.A.12

WQ-2:
Improve beach water quality Management

WQ-2.A.1	WQ-2.A.7
WQ-2.A.2	
WQ-2.A.3	
WQ-2.A.4	
WQ-2.A.5	
WQ-2.A.6	

WQ-3:
Improve government efficiency in water quality Monitoring

WQ-3.A.1
WQ-3.A.2
WQ-3.A.3
WQ-3.A.4



N-1:
Increase regional coordination in the development of nutrient criteria

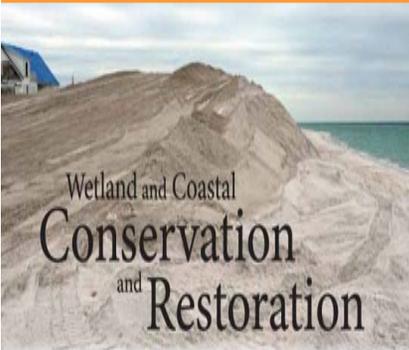
N-1.A.1	N-1.A.6
N-1.A.2	
N-1.A.3	
N-1.A.4	
N-1.A.5	

N-2:
Implement Nutrient reduction activities during Gulf recovery and rebuilding

N-2.A.1	N-2.A.6
N-2.A.2	
N-2.A.3	
N-2.A.4	
N-2.A.5	

N-3:
Assert an aligned, Gulf States position on the need to address Gulf of Mexico hypoxia

N-3.A.1
N-3.A.2
N-3.A.3
N-3.A.4
N-3.A.5

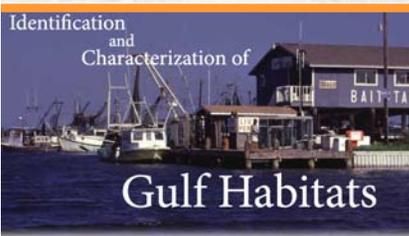


R-1:
Streamline coastal restoration and conservation Efforts

R-1.A.1	R-1.A.8
R-1.A.2	R-1.A.9
R-1.A.3	
R-1.A.4	
R-1.A.5	
R-1.A.6	
R-1.A.7	

R-2:
Increase the safety of Gulf communities by better understanding the risks of localized sea level rise, storm surge and subsidence

R-2.A.1	R-2.A.8
R-2.A.2	
R-2.A.3	
R-2.A.4	
R-2.A.5	
R-2.A.6	
R-2.A.7	

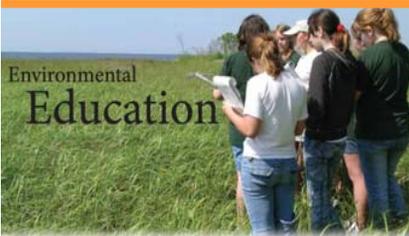


ID-1:
Create and provide access to interactive habitat maps for priority Gulf of Mexico habitats

ID-1.A.1	ID-1.A.6
ID-1.A.2	ID-1.A.7
ID-1.A.3	
ID-1.A.4	
ID-1.A.5	

ID-2:
Develop a Gulf of Mexico habitat map

ID-2.A.1	ID-2.A.2
ID-2.A.3	ID-2.A.4
ID-2.A.5	ID-2.A.6
ID-2.A.7	ID-2.A.8



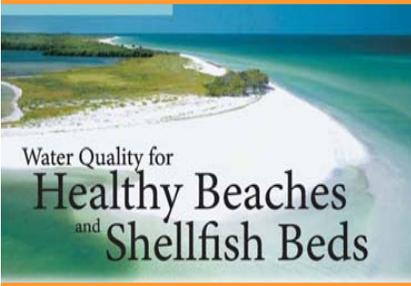
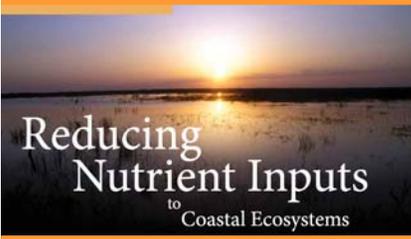
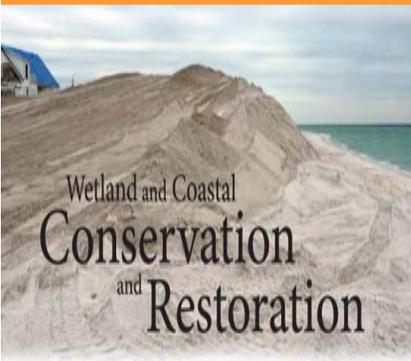
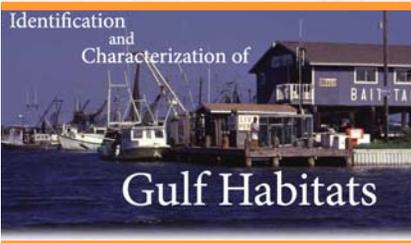
ED-1:
Galvanize local communities to protect the Gulf of Mexico through targeted education

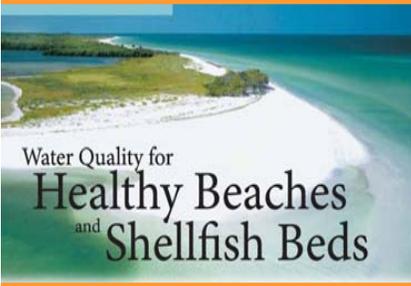
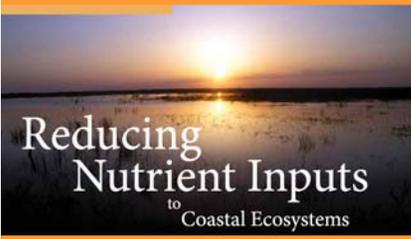
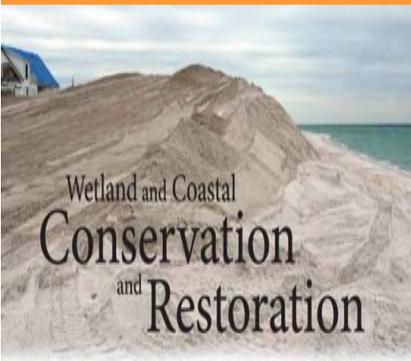
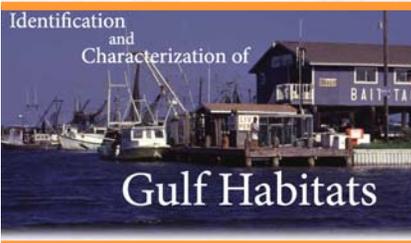
ED-1.A.1	ED-1.A.6
ED-1.A.2	ED-1.A.7
ED-1.A.3	
ED-1.A.4	
ED-1.A.5	

ED-2:
Conduct a public awareness campaign for the Gulf of Mexico

ED-2.A.1	
ED-2.A.2	

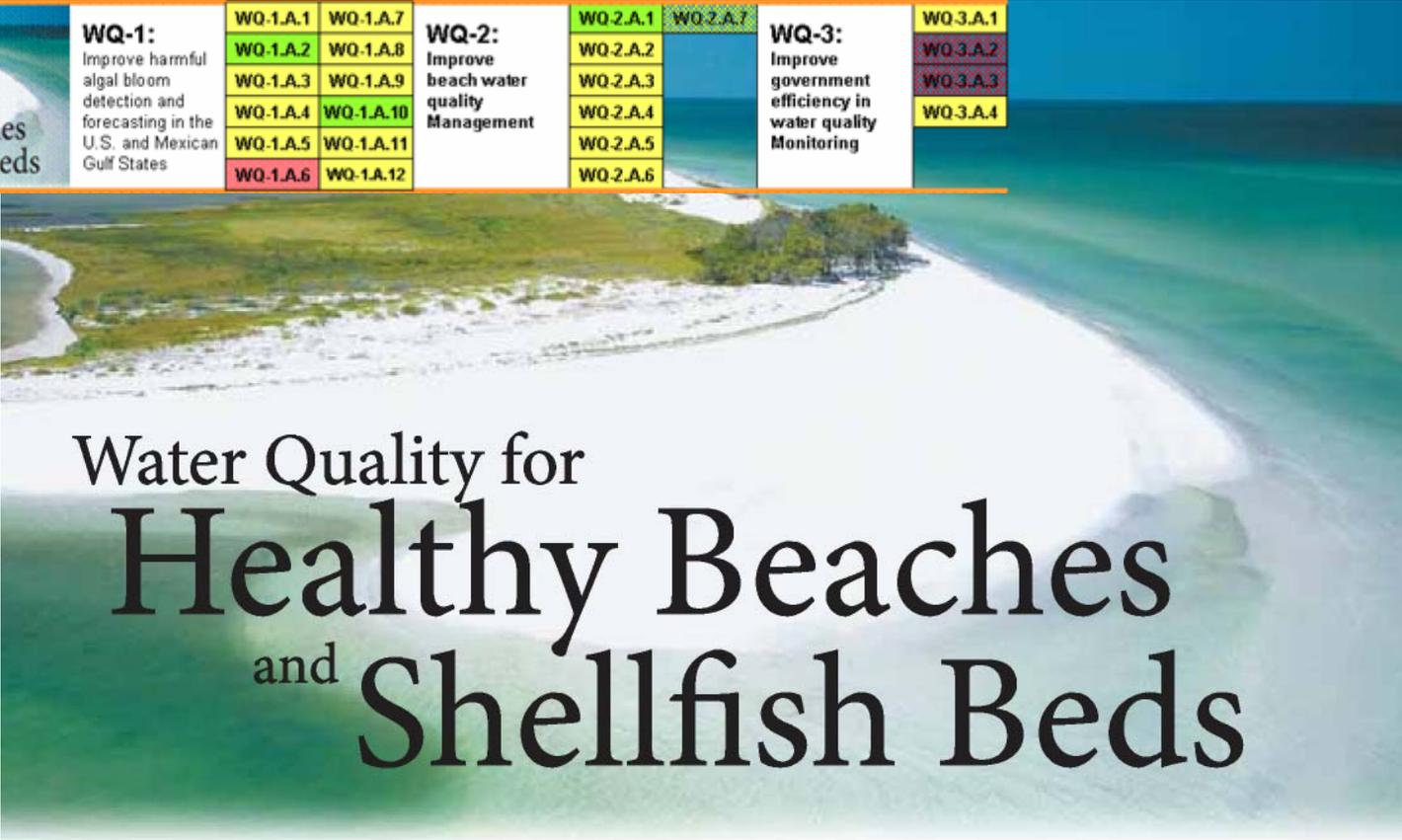
**“14 Completed”
= 19%**

 <p>Water Quality for Healthy Beaches and Shellfish Beds</p>	<p>WQ-1: Improve harmful algal bloom detection and forecasting in the U.S. and Mexican Gulf States</p>	<p>WQ-1.A.1 WQ-1.A.2 WQ-1.A.3 WQ-1.A.4 WQ-1.A.5 WQ-1.A.6</p>	<p>WQ-1.A.7 WQ-1.A.8 WQ-1.A.9 WQ-1.A.10 WQ-1.A.11 WQ-1.A.12</p>	<p>WQ-2: Improve beach water quality Management</p>	<p>WQ-2.A.1 WQ-2.A.2 WQ-2.A.3 WQ-2.A.4 WQ-2.A.5 WQ-2.A.6</p>	<p>WQ-2.A.7</p>	<p>WQ-3: Improve government efficiency in water quality Monitoring</p>	<p>WQ-3.A.1 WQ-3.A.2 WQ-3.A.3 WQ-3.A.4</p>
 <p>Reducing Nutrient Inputs to Coastal Ecosystems</p>	<p>N-1: Increase regional coordination in the development of nutrient criteria</p>	<p>N-1.A.1 N-1.A.2 N-1.A.3 N-1.A.4 N-1.A.5</p>	<p>N-1.A.6</p>	<p>N-2: Implement Nutrient reduction activities during Gulf recovery and rebuilding</p>	<p>N-2.A.1 N-2.A.2 N-2.A.3 N-2.A.4 N-2.A.5</p>	<p>N-2.A.6</p>	<p>N-3: Assert an aligned, Gulf States position on the need to address Gulf of Mexico hypoxia</p>	<p>N-3.A.1 N-3.A.2 N-3.A.3 N-3.A.4 N-3.A.5</p>
 <p>Wetland and Coastal Conservation and Restoration</p>	<p>R-1: Streamline coastal restoration and conservation Efforts</p>	<p>R-1.A.1 R-1.A.2 R-1.A.3 R-1.A.4 R-1.A.5 R-1.A.6 R-1.A.7</p>	<p>R-1.A.8 R-1.A.9</p>	<p>R-2: Increase the safety of Gulf communities by better understanding the risks of localized sea level rise, storm surge and subsidence</p>	<p>R-2.A.1 R-2.A.2 R-2.A.3 R-2.A.4 R-2.A.5 R-2.A.6 R-2.A.7</p>	<p>R-2.A.8</p>		
 <p>Identification and Characterization of Gulf Habitats</p>	<p>ID-1: Create and provide access to interactive habitat maps for priority Gulf of Mexico habitats</p>	<p>ID-1.A.1 ID-1.A.2 ID-1.A.3 ID-1.A.4 ID-1.A.5</p>	<p>ID-1.A.6 ID-1.A.7</p>					
 <p>Environmental Education</p>	<p>ED-1: Galvanize local communities to protect the Gulf of Mexico through targeted education</p>	<p>ED-1.A.1 ED-1.A.2 ED-1.A.3 ED-1.A.4 ED-1.A.5</p>	<p>ED-1.A.6 ED-1.A.7</p>	<p>ED-2: Conduct a public awareness campaign for the Gulf of Mexico</p>	<p>ED-2.A.1 ED-2.A.2</p>		<p>“53 On Track” = 73%</p>	

 <p>Water Quality for Healthy Beaches and Shellfish Beds</p>	<p>WQ-1: Improve harmful algal bloom detection and forecasting in the U.S. and Mexican Gulf States</p>	<p>WQ-1.A.1 WQ-1.A.2 WQ-1.A.3 WQ-1.A.4 WQ-1.A.5 WQ-1.A.6</p>	<p>WQ-1.A.7 WQ-1.A.8 WQ-1.A.9 WQ-1.A.10 WQ-1.A.11 WQ-1.A.12</p>	<p>WQ-2: Improve beach water quality Management</p>	<p>WQ-2.A.1 WQ-2.A.2 WQ-2.A.3 WQ-2.A.4 WQ-2.A.5 WQ-2.A.6</p>	<p>WQ-2.A.7</p>	<p>WQ-3: Improve government efficiency in water quality Monitoring</p>	<p>WQ-3.A.1 WQ-3.A.2 WQ-3.A.3 WQ-3.A.4</p>
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 <p>Wetland and Coastal Conservation and Restoration</p>	<p>R-1: Streamline coastal restoration and conservation Efforts</p>	<p>R-1.A.1 R-1.A.2 R-1.A.3 R-1.A.4 R-1.A.5 R-1.A.6 R-1.A.7</p>	<p>R-1.A.8 R-1.A.9</p>	<p>R-2: Increase the safety of Gulf communities by better understanding the risks of localized sea level rise, storm surge and subsidence</p>	<p>R-2.A.1 R-2.A.2 R-2.A.3 R-2.A.4 R-2.A.5 R-2.A.6 R-2.A.7</p>	<p>R-2.A.8</p>		
 <p>Identification and Characterization of Gulf Habitats</p>	<p>ID-1: Create and provide access to interactive habitat maps for priority Gulf of Mexico habitats</p>	<p>ID-1.A.1 ID-1.A.2 ID-1.A.3 ID-1.A.4 ID-1.A.5</p>	<p>ID-1.A.6 ID-1.A.7</p>		<p>“6 Pending” = 8%</p>			
 <p>Environmental Education</p>	<p>ED-1: Galvanize local communities to protect the Gulf of Mexico through targeted education</p>	<p>ED-1.A.1 ED-1.A.2 ED-1.A.3 ED-1.A.4 ED-1.A.5</p>	<p>ED-1.A.6 ED-1.A.7</p>	<p>ED-2: Conduct a public awareness campaign for the Gulf of Mexico</p>		<p>ED-2.A.1 ED-2.A.2</p>		

2008 Thrusts:

- HABs Forecast Models and Applications Enhancements
- Mexico HABs Pilot Expansion
- Microbial Source Tracking Integration w/ Nutrients Team
- Prepare for **(Win!)** 2nd Round of National Water Quality Monitoring Council's Regional Implementation Pilot Competition

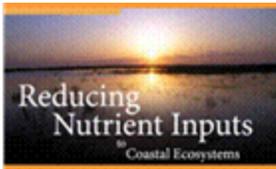


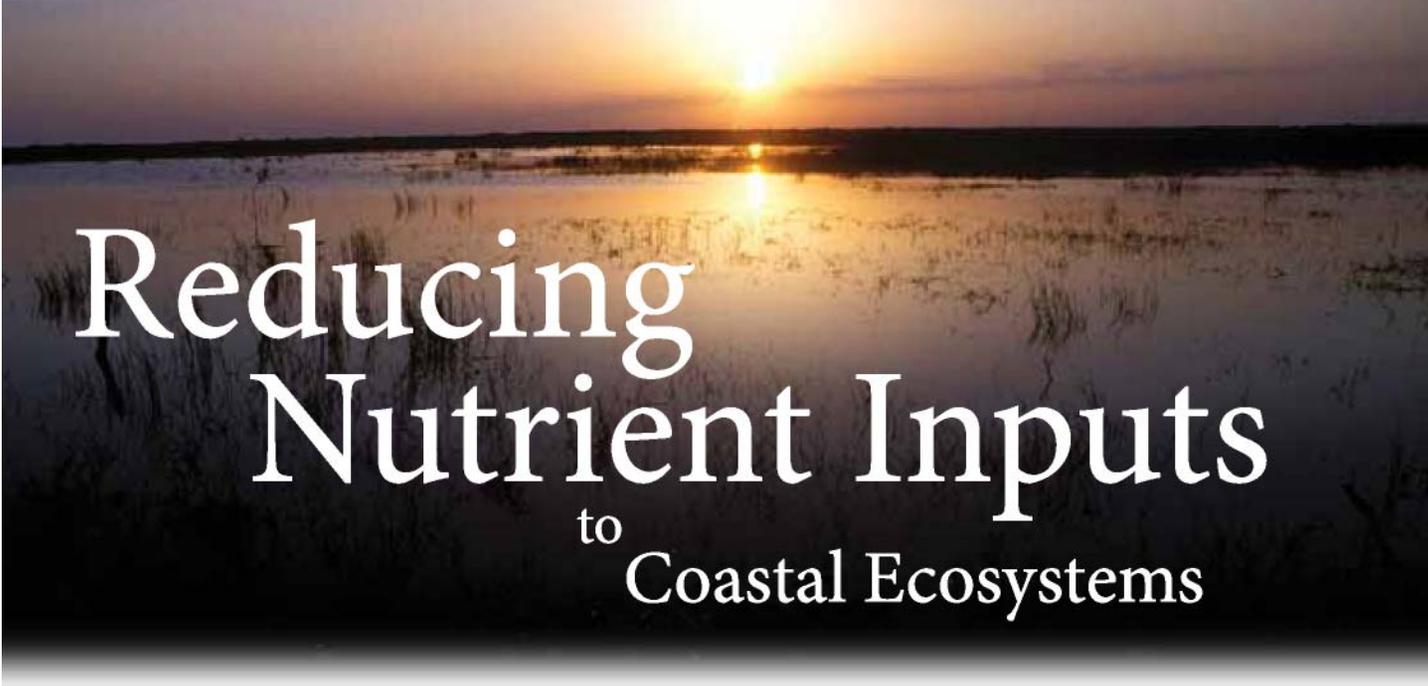
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	WQ-1.A.2	WQ-1.A.8	WQ-2.A.2		WQ-3.A.2			
	WQ-1.A.3	WQ-1.A.9	WQ-2.A.3		WQ-3.A.3			
	WQ-1.A.4	WQ-1.A.10	WQ-2.A.4		WQ-3.A.4			
	WQ-1.A.5	WQ-1.A.11	WQ-2.A.5					
	WQ-1.A.6	WQ-1.A.12	WQ-2.A.6					

Water Quality for
**Healthy Beaches
and Shellfish Beds**

2008 Thrust:

- Microbial Source Tracking – Standardize Parameters & Pilot Implementation
- Numerical Nutrient Criteria Development Support to States

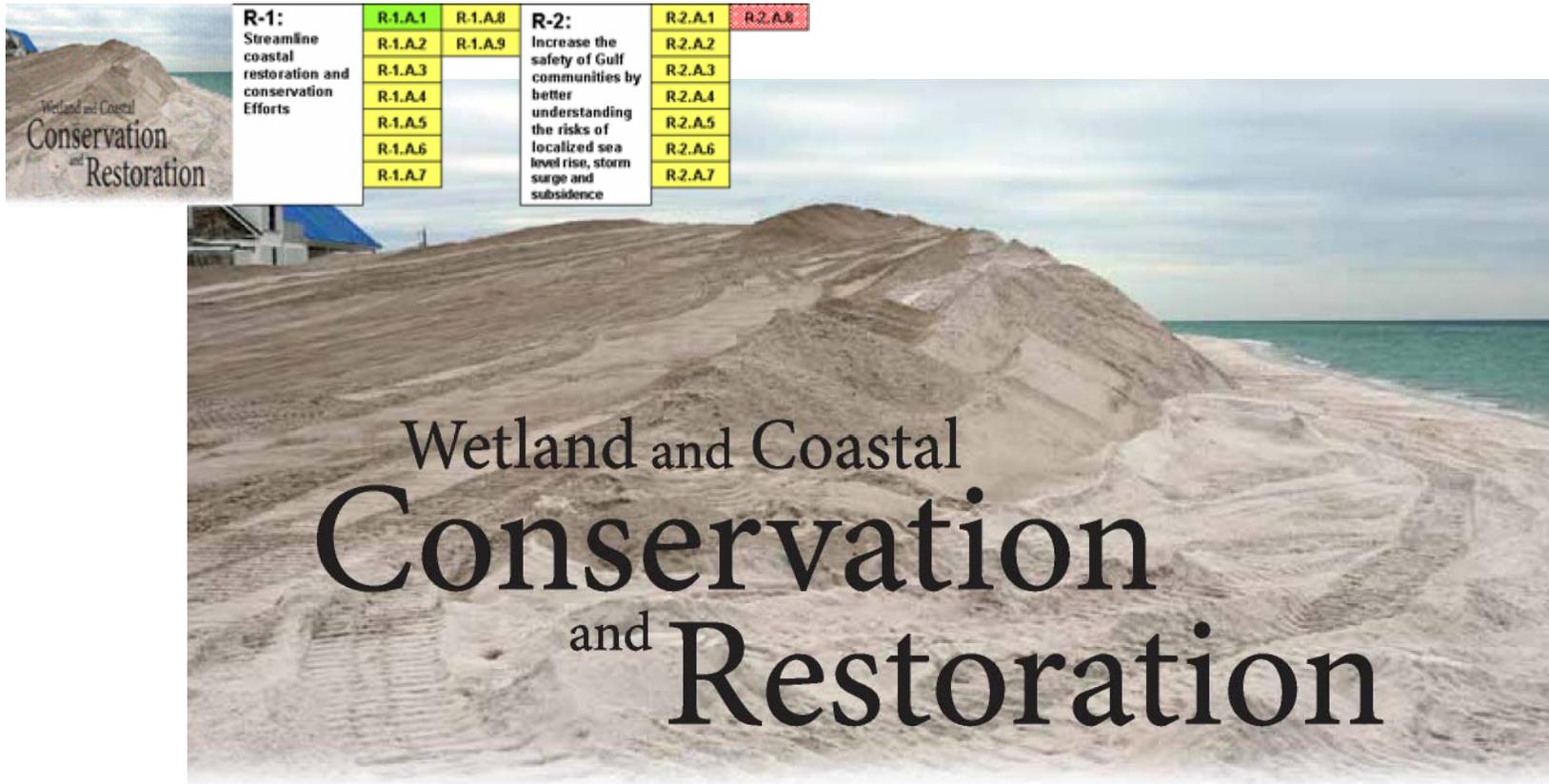
 <p>Reducing Nutrient Inputs to Coastal Ecosystems</p>	N-1: Increase regional coordination in the development of nutrient criteria	N-1.A.1	N-1.A.6	N-2: Implement Nutrient reduction activities during Gulf recovery and rebuilding	N-2.A.1	N-2.A.6	N-3: Assert an aligned, Gulf States position on the need to address Gulf of Mexico hypoxia	N-3.A.1
		N-1.A.2			N-2.A.2			N-3.A.2
		N-1.A.3			N-2.A.3			N-3.A.3
		N-1.A.4			N-2.A.4			N-3.A.4
		N-1.A.5			N-2.A.5			N-3.A.5



Reducing Nutrient Inputs to Coastal Ecosystems

2008 Thrusts:

- Support Implementation of the Regional Sediment Management Master Plan
- Integrate Findings and Supporting Action Priorities of the State Workshops
- Convene Gulf of Mexico Interstate Workshop on Freshwater Inflows Re: Sustaining Estuarine Ecosystem Health



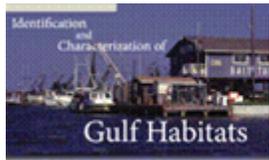
R-1: Streamline coastal restoration and conservation Efforts	R.1.A.1	R.1.A.8	R-2: Increase the safety of Gulf communities by better understanding the risks of localized sea level rise, storm surge and subsidence	R.2.A.1	R.2.A.8
	R.1.A.2	R.1.A.9		R.2.A.2	
	R.1.A.3			R.2.A.3	
	R.1.A.4			R.2.A.4	
	R.1.A.5			R.2.A.5	
	R.1.A.6			R.2.A.6	
	R.1.A.7			R.2.A.7	

Wetland and Coastal Conservation and Restoration

Wetland and Coastal
Conservation
and
Restoration

2008 Thrusts:

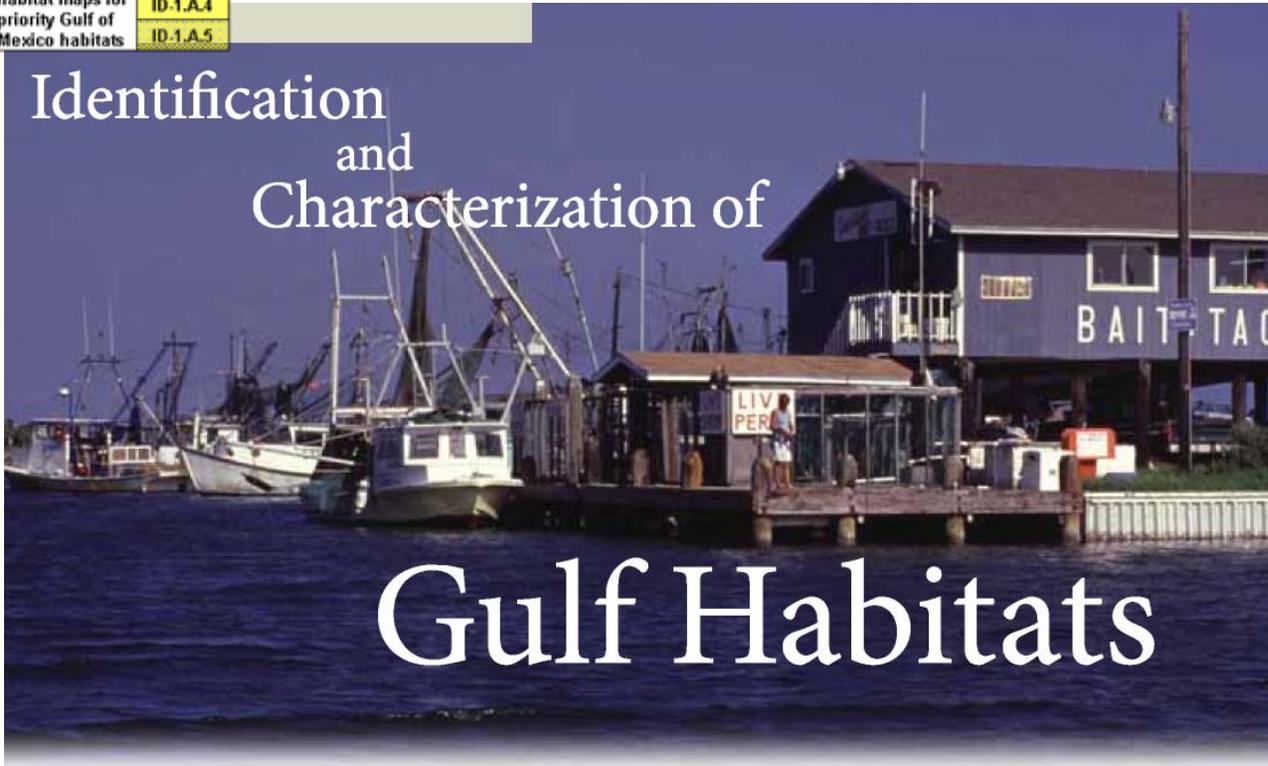
- Obtain and Integrate Gulf States Habitat Data into the Priority Habitat Information System (PHINS)
- Expand from Seagrass Data to Include all other Coastal Habitat Data, Bathymetry, Sediments, etc.
- Partner with Environmental Education to Help with PHINS Utilization and Support Metadata Training Gulfwide



ID-1:
Create and provide access to interactive habitat maps for priority Gulf of Mexico habitats

ID-1.A.1	ID-1.A.6
ID-1.A.2	ID-1.A.7
ID-1.A.3	
ID-1.A.4	
ID-1.A.5	

Identification
and
Characterization of



Gulf Habitats

2008 Thrust:

- Initiate and Sustain a Gulfwide Public Awareness Campaign
- Complete “Regional” Coastal Ecosystem Learning Center Network Development ([Mississippi & Louisiana](#))
- Create and Support Gulfwide Network for Effective Environmental Education
- Integrate Formal and Informal Environmental Education Tools and Audiences



Environmental Education

ED-1: Galvanize local communities to protect the Gulf of Mexico through targeted education	ED-1.A.1	ED-1.A.6	ED-2: Conduct a public awareness campaign for the Gulf of Mexico	ED-2.A.1
	ED-1.A.2	ED-1.A.7		ED-2.A.2
	ED-1.A.3			
	ED-1.A.4			
	ED-1.A.5			

Environmental Education

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Questions?