



HAMPTON SEABROOK ESTUARY

BASELINE ASSESSMENT - UPDATE

Presented by: **Christine Bunyon, FB Environmental Associates**

June 24, 2026

SEABROOK-HAMPTONS
ESTUARY ALLIANCE

WWW.SHEA4NH.ORG



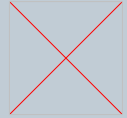
OBJECTIVE

To compile and synthesize existing and newly collected data to establish environmental indicators and the current condition of the Estuary from which to monitor the Estuary's condition over time.

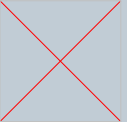


ENVIRONMENTAL INDICATORS

1. The Physical Framework



Water Level



Beach Profiling & Dune Surveys

3. Environmental Quality and Toxicology

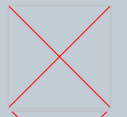


Sediment Characteristics

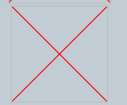


Water Quality
(physical, nutrients, bacteria)

2. Coastal Wetland Integrity

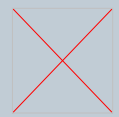


Salt Marsh Elevation

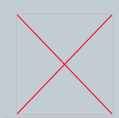


Salt Marsh Vegetation

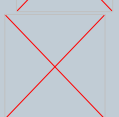
4. Biological Resources



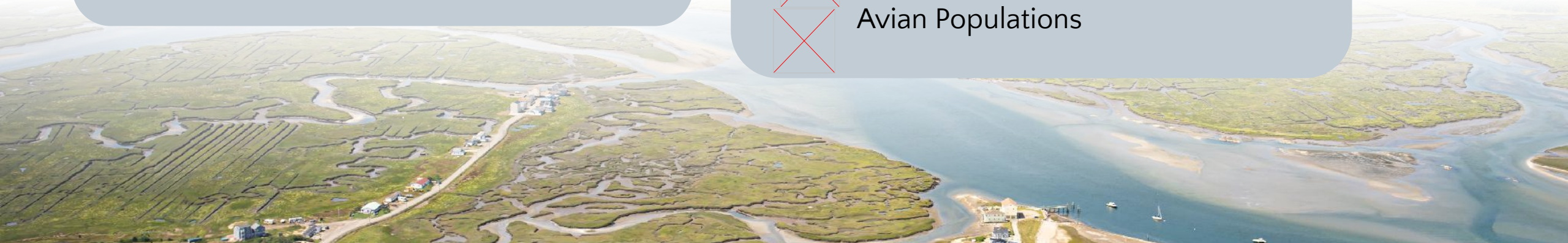
Shellfish Populations and Harvesting



Fish Populations



Avian Populations



PROJECT UPDATE



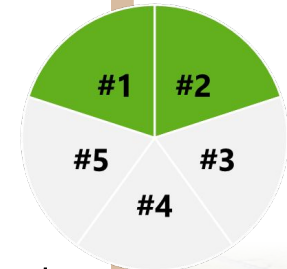
Task 1 – Review existing reports and data sources

Task 2 – Compile and   existing data

Task 3 – Integrate newly collected baseline data 

Task 4 – Collaborate with the Technical Advisory Committee

Task 5 – Develop a comprehensive Baseline Assessment Report



 NEXT YEAR

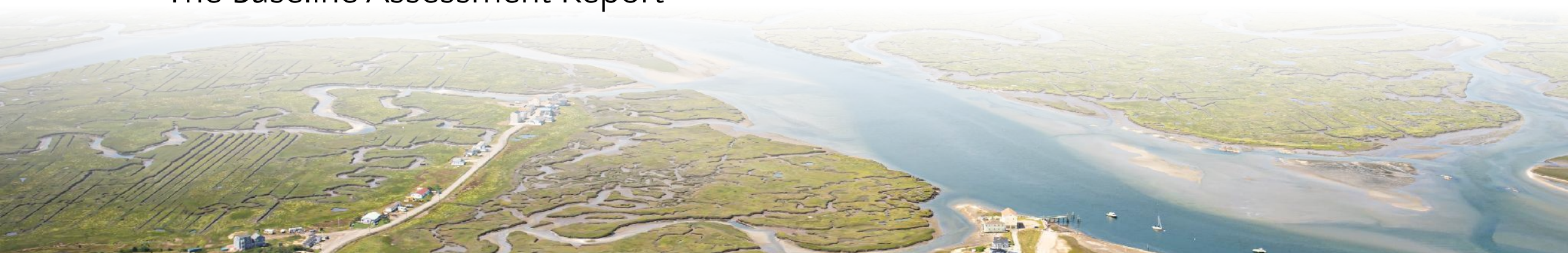
PROJECT UPDATE

- **13** monthly check in meetings
- Reviewed **15** existing reports
- Contact over **30** stakeholders and local scientists (countless emails)
- Gathered over **40** distinct datasets
- Conducted **5** one-on-one meetings with local scientists regarding their datasets
- Held **2** of the 5 TAC meetings



PROJECT UPDATE

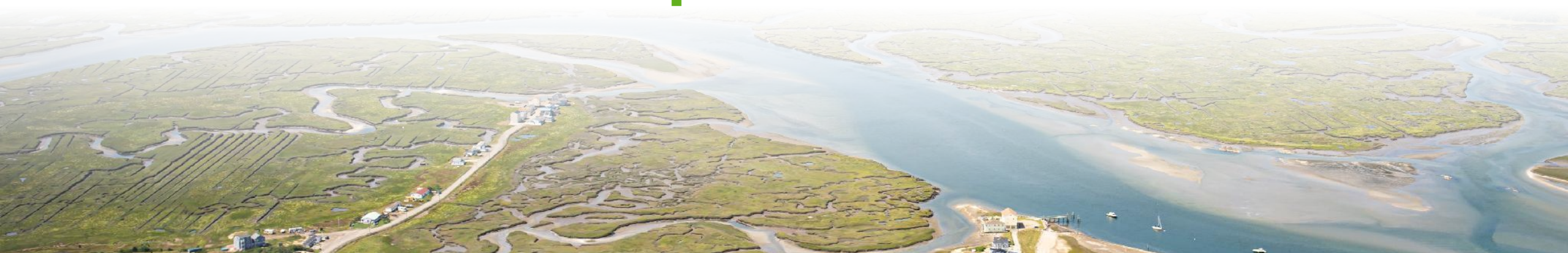
- **3** of the 5 TAC meetings remain
- Continue the data analysis for the **11** indicators
- A Baseline Dataset Memo
 - Preliminary analyses for review
 - Data gaps and methods to fill them
- The Baseline Assessment Report



PROJECT UPDATE

Project Timeline:

Task	2025													2026								2027												
	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D		
1	Review Existing Reports																																	
2					Compile and Analyze Existing Data																													
3														Integrate Newly Collected Baseline Data																				
4					TAC #1							TAC #2									TAC #3					TAC #4					TAC #5			
5														Develop a Comprehensive Baseline Assessment Report																				





THANK YOU

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