#### **Great Egg Harbor River Council**

#### **Chair:**

**Gregory Gregory** 

**Bill Reinert** 

Somers Point

Vice Chair: Rick Coe

Monroe Twp.

#### **COUNCILLORS:**

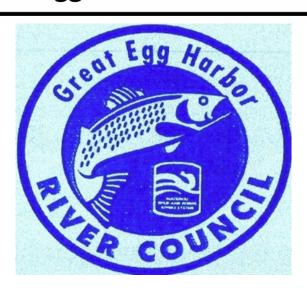
Julie Akers Lou Harvey Jenn Jennings

Buena Vista Twp.

Alison Stefanik Kathleen Federico Daniel Patterson

**Corbin City** 

Bill Christman
Denise Appleget *Hamilton Twp.* 



Ralph Bernard Bill Egan Susan Stiles

Weymouth

Twp.
Clark Sprigman
Winslow Twp.

John Keenan Lynnee LoCicero

Hammonton

Jim Owen Jr.

im Owen Jr.

Estell Manor

**Greg Conway** 

**Borough of** 

**Folsom** 

David Brown

**Tom Baum** 

Egg Harbor Twp.

Bill Handley

Steve Eisenhauer

Bill Stuempfig

Upper Twp.

**Dick Colby** 

Paul Ludgate

Clay Emerson

**GEHWA** 

### **Open Public Meetings Act Statement**

This meeting was advertised pursuant to the NJ Open Public Meetings Act.

Meeting notices were sent to the Courier Post and the Press of Atlantic City.

All meeting notices are also posted on the GEHWA website calendar at www.gehwa.org.



### River Council Roll Call

<u>Julie Akers</u>

Buena Vista Twp

(Lou Harvey)

(Jenn Jennings)

Alison Stefanik Corbin City

(Kathleen Federico)

(Daniel Patterson)

Jim Owen

Estell Manor

(William Donath Sr.)

**Bill Christman** 

Hamilton Twp.

(Michael Dupras)

Rick Coe

Monroe Twp.

**Ralph Bernard** 

Weymouth Twp.

(Bill Egan)

(Susan Stiles)

**Gregory Gregory** 

Somers Point

(Bill Reinert)

John Keenan

Hammonton

(Lynnee LoCicero)

**Clark Sprigman** 

Winslow Twp.

Bill Handley

Upper Twp.

(Steve Eisenhauer)

(Bill Stuempfig)

Dick Colby

**GEHWA** 

(Paul Ludgate)

(Clay Emerson)

**Greg Conway** 

**David Brown** 

(Tom Baum)

Borough of Folsom

Egg Harbor Twp.

# **Approval of Last Meeting Minutes**



**Great Egg Harbor River Council** 

# **Public Portion**



**Great Egg Harbor River Council** 



Spring 2025 Indoor and Outdoor Classroom Events



We Would Like to Thank All Our Special Volunteers

Special Thank You To: Julie Akers, Tom Baum, David Kreutz, Cheryl Fouts, Morgan Crouch & Bill Handley & Dave Brown



Hamilton School 4th Grade at Nature Center Fernwood MS 7th Grade - EHT - Corson's Inlet Delsea HS AP Environmental Science Class Homeschool Group Mixed Group - NC Friends of the Parks Mixed Group - Nature Center

St. Vincent De Paul - Corson's Inlet Ocean City Yacht Club Minnow - Corson's Inlet ► Hamilton School 4<sup>th</sup> Grade Estell Manor Park

April 29, 30 & May 1,

2025

▶238 Students















Homeschool Group Estell ManorPark May 5, 2025 14 Students

### Juvenile Red-bellied Turtle







Fernwood MS 7th Grade Corson's Inlet State Park Throughout May 2025 9 Groups in 8 Days 257 Students 2011 to 2025 (15 Yrs)

Four Spined Stickleback Summer Flounder Mummichog **Silversides** Striped Killifish Juvenile Eel (? Species) Northern Pipefish **American Eel Tautog** Juvenile Larval Fish (? Species) White Perch White Catfish Larval Fish - Croaker Windowpane Flounder **Oyster Toadfish** Spot Feather Blenny Sea Robin

Grass Shrimp Sand Shrimp Skeleton Shrimp

Snail Whelk

Clams Ribbed Mussel Blue Mussel

Diamond Backed Terrapin Horseshoe Crab
Green Crab
Ghost Crab
Hermit Crab
Calico Crab
Asian Crab
Rock Crab
Blue Crab
Hermit Crab

Comb Jelly



















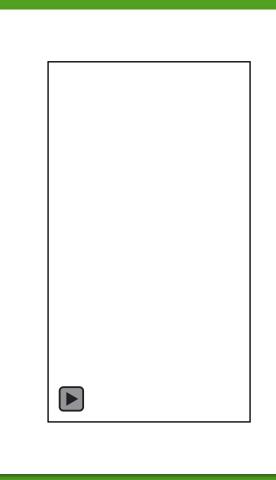
















## Purple Marsh Crab









Delsea High School AP Environmental Science Class Corson's Inlet State Park May 20, 2025 14 Students

Friends of the Parks 3<sup>rd</sup> Saturday Program Nature Center and Pond 5-17-2025 Frog and Toad Program





SVDP 3 & 4 Grade 5 & 6 Grade Corson's Inlet State Park May 3 & 5,2025 65 Students 2008 to 2025 (18 Yrs)

















# Community Event

ACUA Earth Day April 27, 2025 ~10,000 Attendees



















### **Upcoming Event**

## July 2025 Outdoor Classroom Events

July 9, 16 & 29, 2025 Ocean City Yacht Club Minnows Program - 4th Year Corson's Inlet State Park

## CoCoRaHS Program



This workshop is an opportunity to get involved in community science with a national volunteer program called Community Collaborative Rain, Hail & Snow Network (CoCORAHS) to measure and map precipitation in your backyad. The only requirement to join are an enthusiasm for watching and reporting weather conditions, a desire to learn more about how weather can affect and impact our lives, and purchase of the program's official rain gauge (\$42). Please pre-pay for your rain gauge to ensure we have enough for everyone, and we will hand them out at the workshop.

Lynn Maun, Cumberland County's Coordinator for this program, will be leading the workshop. Also the Education Coordinator for the Great Egg Harbor Watershed Association, Lynn will explain how the program works and how to install your gauge and monitor rainfall.

The Kirkwood-Cohansey aquifer, present throughout nearly the entire New Jersey Coastal Plain, is an unconfined reservoir close to the surface layer and relies on rainfall for it recharge. Because it is near the surface, it discharges locally to streams, wetlands, and other water bodies. Pumping ground water can cause the water table to drop and can diminish stream flow and impair wetlands. Monitoring rainfall accurately is important because the aquifer relies on a certain amount of annual precipitation for healthy streams and wetlands.

WHAT

Community Science Rainfall Monitoring Workshop

WHEN

Wednesday June 25, 2025

5:30 p.m.

WHERE

Vineland Public Library

10'88 E Landin Ave

Vineland, NJ 03:50

REGISTRATION REQUIRED

Please register at the button below and

click have to nay for your rain gauge, which costs \$42



GEHWA's 19th Annual Picnic and Campfire Tuesday, July 22, 2025, at 5:30 pm at Lake Lenape Park

Join us on Tuesday July 22, 2025 for our 19<sup>th</sup> Annual Picnic and Campfire From 5:30 P.M. until 9:00 P.M. at Lake Lenape Park

6303 Old Harding Hwy., Mays Landing



Hamburgers
(Veggie Burgers
too) and Hotdogs
will be provided.
Please bring a
tasty salad/side
dish or dessert to
share. The picnic



begins at 5:30 P.M. and the CAMPFIRE/Storytime will begin at 7:00 P.M. If you plan on attending the picnic please RSVP Lynn Maun at 856-649-2792 or email: <a href="mailto:lynnkmaun@comcast.net">lynnkmaun@comcast.net</a> with a count for your family so that we will know how much food is needed. We hope that you can join us and look forward to seeing you. If you have a good campfire story that you would like to share, please let us know. Thank you.



# Route 52 Causeway Rookery May 15, 2025



















## Fun Fact What do you call a colony of Flamingos?

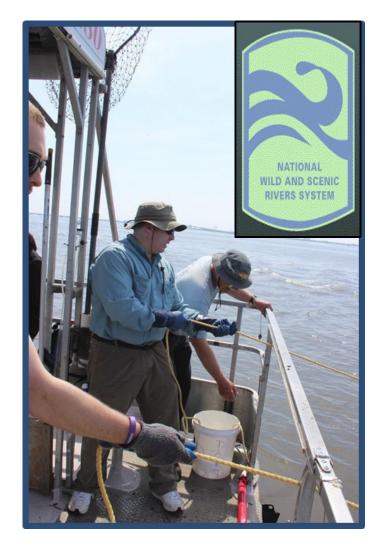


## Flamboyance

#### **Old Business**



**Great Egg Harbor River Council** 



## National Park Service Alan Hunt & Kurt Cheng

- •Outdoor Recreational Planner NPS NE Regional Office, Philadelphia, PA
- •Great Egg Harbor River (Atl., Glo., Cam., Cape.)
- Musconetcong River (Hunterdon County, NJ)

#### **New Business**



**Great Egg Harbor River Council** 

#### 5/10 Tuckahoe River Clean Up Event

On May 10th, Brooke and Bill Handley organized and facilitated a clean up on the Tuckahoe River. All together the group removed several derelict docks, large abandoned buoys, and other debris from the river.

GEHWA and the River Council were assisted by Boy Scout Troop 79, the local community, Upper Township EMS, and Upper Township Public Works Department.

Fred, Tom Baum, Carol Jones, and Bill Stuempfig participated from GEHWA and the River Council. John Helbig from the Somers Point Environmental Commission also came and volunteered!





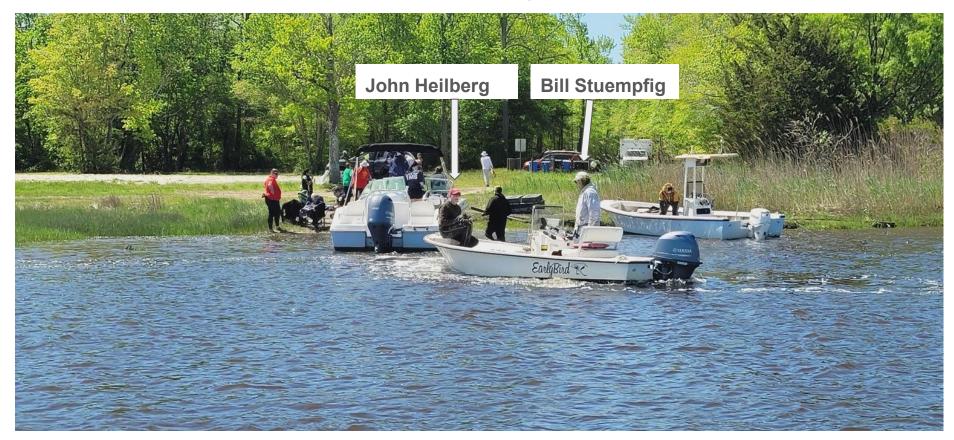




#### **Tuckahoe River Cleanup 5/10/25**



#### **Tuckahoe River Cleanup 5/10/25**



#### Resolution 4 -2025

A Resolution to Recognize Upper Township Troop 79 with a \$250 Grant for its Assistance with Marine Debris Cleanup on May 10, 2025

Resolution RC: 05-2025

#### A Resolution to Recognize Carson Endicott for achieving the rank of Eagle Scout in EHT Troop 94

**WHEREAS**, in 1992, 129 miles, including the tidal estuary of the Great Egg Harbor River were designated by Congress into the National Wild and Scenic Rivers System to be locally managed and protected by the 12 municipalities of the Great Egg Harbor River Council and the Great Egg Harbor Watershed Association; and

**WHEREAS**, Scout Carson Endicott lives in Somers Point, and Boy Scout Troop 94 is chartered by the Mainland Policemen's Benevolent Association of Egg Harbor Township, both in River Council Municipalities; and

**WHEREAS**, for his Eagle Scout Project, Carson Endicott planned and implemented an enhancement project to the Richard Somers Memorial Park in Somers Point, which included concrete work and personalized engraved brick work; and

**WHEREAS**, throughout his Scouting career, Carson Endicott has demonstrated exceptional efforts to promote and improve our River Council Communities; and

**WHEREAS**, on June 12, 2025, Carson Endicott attended a Troop 94 Court of Honor and was awarded the rank of Eagle Scout:

**NOW THEREFORE BE IT RESOLVED**, that the Great Egg Harbor River Council at its 6/18/25 meeting hereby Honors and Congratulates Carson Endicott for his service to the community and his achievement of the rank of Eagle Scout.

(Note, no money, voice vote)

#### **ENDICOTT EAGLE SCOUT PROJECT**

#### Richard Somers Memorial Park Enhancement--An Eagle Scout Project

Become a part of our history, like Richard Somers!



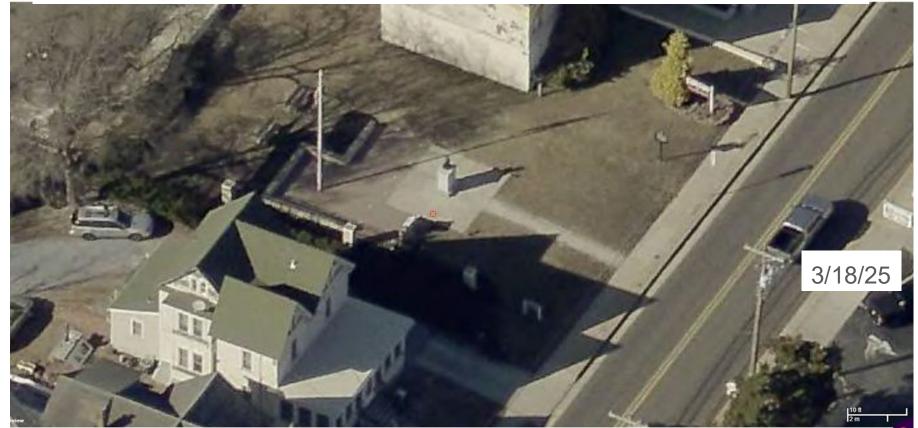
Richard Somers Memorial Park in Somers Point before Carson Endicott's Eagle Scout Project



Richard Somers Memorial Park in Somers Point during Carson Endicott's Eagle Scout



Richard Somers Memorial Park in Somers Point after Carson Endicott's Eagle Scout Project





#### Resolution RC: 05-2025

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(Note, no money, voice vote)

## River Councilor Reports for each Municipality.



Buena Vista Township
Corbin City
Egg Harbor Township
Estell Manor
Folsom Borough
Hamilton Township
Hammonton Town

Monroe Township
Somers Point City
Upper Township
Weymouth Township
Winslow Township
Great Egg Harbor Watershed
National Park Service



### Oyster Spat Monitoring in the Great Egg Harbor Watershed

On 5/23 Brooke, Fred, Tom Baum and Dave Brown were trained on Oyster Spat Monitoring by Liia Carpenter from NJDEP Bureau of Marine Fisheries.

On Friday 5/30, Fred and Tom set 4 locations for the project and deployed 4 sets of spat bags into the water.

The team will now monitor, count, and measure any oyster spat growth on the bags every other week.

Water quality will also be measured at each site for top and bottom water temperature, salinity, pH, DO, and turbidity.

**Great Egg Harbor Estuary Oyster Spat Monitoring sites June to October 2025** 





Brooke, Dave, and Tom learning about spat 5/23/25



#### NJ Oyster Spat Collector Data Sheets- Great Egg Harbor Watershed Association

Date Deployed:			Date Collected:			
Crew:						
Station: Seed Beds Middle R			Patcong Creek Tuckahoe River			
Tide: F1 F2 FS E1			ES			
Water Quali	ty:					
Surface- Ter	mperature:	(°C	Salinity:	(ppt	t) pH:	
Bottom-Ten	nperature:	(°C)				
Spat Bag Pr	ocessing:	Dat	e:			
Total Spat C	ount:	196	Total Shel	ls:		
Shell Spat	Count:					
1:	5:	9:	13:	17:		
2:	6:	_ 10:	14:	18:		
3:	7:	_ 11:	15:	19:		
4:	8:	12:	16:	20:		
	urements (50					
				<u></u>		
NAME OF THE PARTY						
1			Control of	100		
Notes:						
01/00		Data F	torod:	n	ata Proofed:	
QA/QC:		Data Er	Data Efficieu			

Spat Bags Standard Operating Procedures:

Spat bags constructed with 1-1/4in mesh into bags that are 16in x13in

20 oyster shells in each spat bag (average sized shells)

Deployed with one spat bag 2 feet from the bottom on the main float line and one spat bag tied on yellow line to the anchor system not suspended in the water column that will stay for the entire season (grow out bag).

Anchor system consists of two half sash concrete blocks connected with chain and a shackle. Line connected from the anchor shackle up to the surface float.

Spat bags are to be deployed during the week of 5/26 and swapped out on a bi-weekly basis (can choose the best weather day during the second week).

#### Spat Bag Swap Out:

- 1. Pull entire rig up out of the water
- 2. Remove spat bag and tag bag with station name and date collected
- 3. Record date, station, tide, and water quality (if applicable) on data sheet
- 4. Replace with new bag
- Clean grow out spat bag on yellow line if there is a large amount of buildup on the bag
  - \*Do not swap bag on yellow line- this bag is staying for the season
- 6. Drop spat bag at original spat bag coordinates- \*\*important to make sure you go back to original coordinates before dropping the bag\*
- 7. Take water quality parameters close to spat bag

#### Post processing of spat bags:

- Bring spat bags back to lab and gently rinse shells, if not processing that day place in fridge if possible
- 2. Look at the first shell under a microscope and circle all spat in pencil
- Take a count of total circled spat on the shell-record on data sheet (if a perceived circled spat is decided it is not a spat, be sure to cross it out and exclude it from the count)
- 4. Write shell number that corresponds with data sheet and total spat on shell in pencil (Please write the shell number near the hinge)
- 5. Continue this process for all 20 shells

Setting out the oyster spat gear 5/30/25



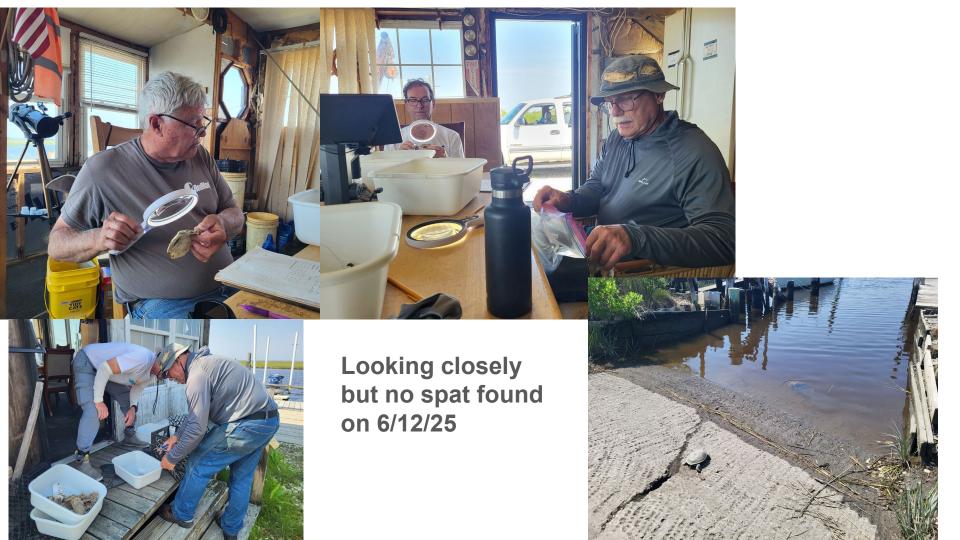
## Captain Tom rocking the oyster spat project 5/30/25



#### The Middle River Station is set out 5/30/25





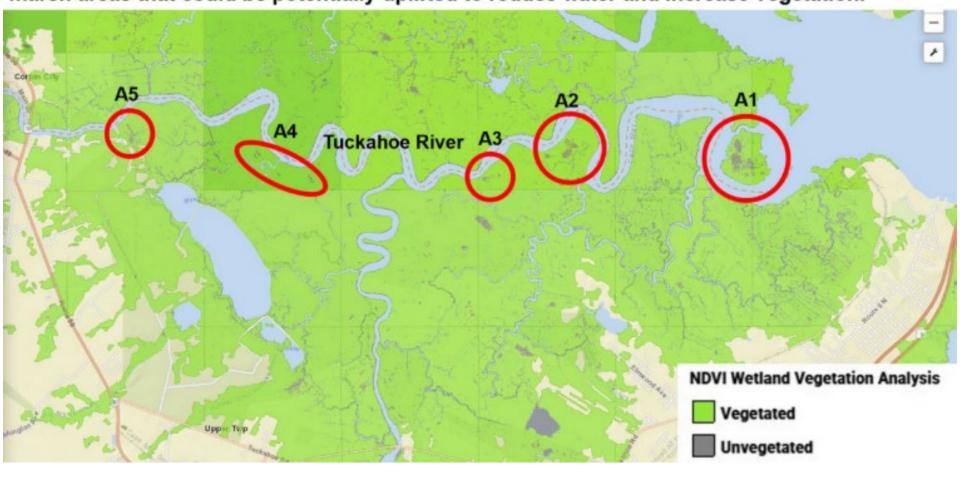


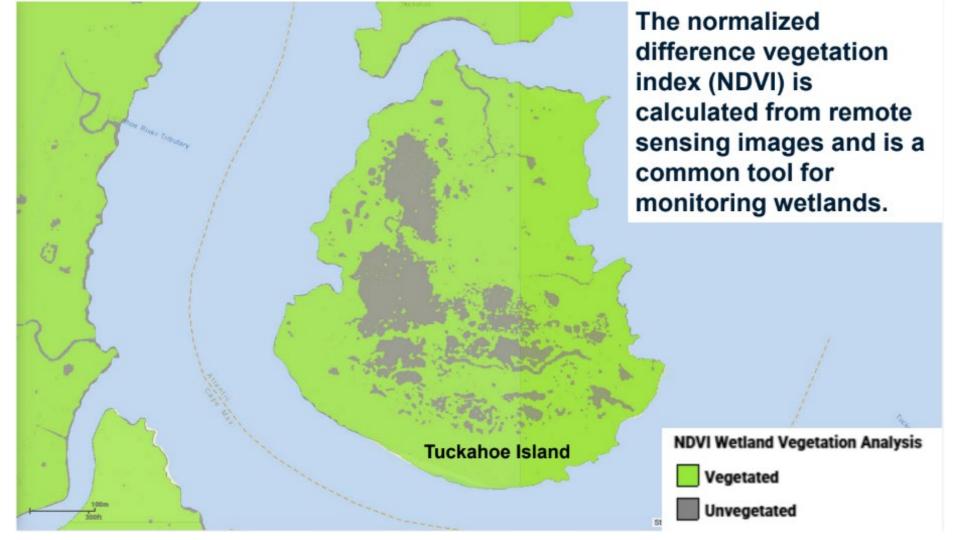
#### Tuckahoe Island / TWMA Beneficial Reuse Opportunities

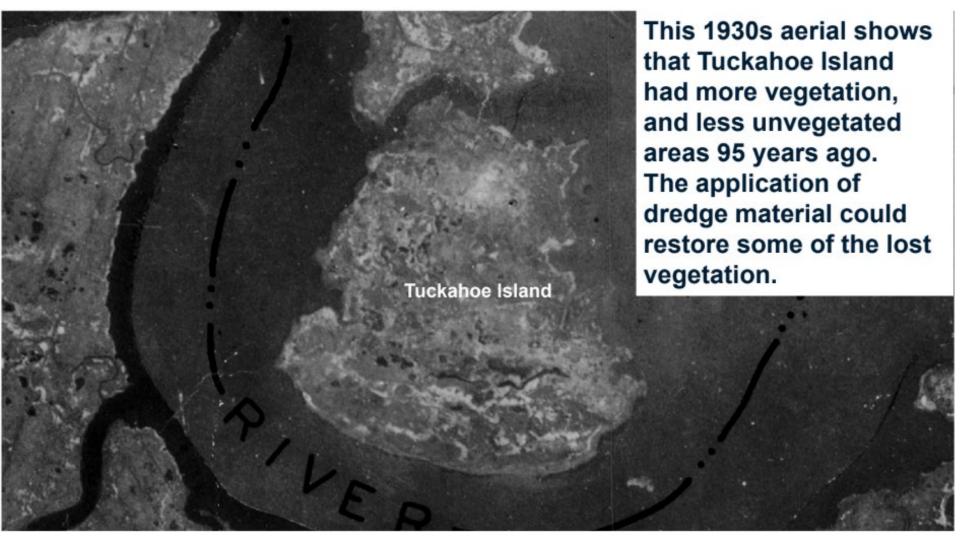
On April 22nd, Fred sent a letter to Coastal Biologist Tyler Kinney from NJDEP discussing the marsh edge erosion that is taking place on Tuckahoe Island and how the NJDOT Office of Marine Resources new plan to dredge the Tuckahoe River offers a rare opportunity for a beneficial reuse project.

Fred identified 5 locations along the Tuckahoe River where there is unvegetated marsh using The **Normalized Difference Vegetation Index (NDVI)** is a widely used metric in remote sensing to assess the health and density of vegetation.

Along the Tuckahoe River from the Great Egg Harbor River to Route 50, there are unvegetated marsh areas that could be potentially uplifted to reduce water and increase vegetation.







Vegetated versus Unvegetated Marsh on Tuckahoe Island, 10/3/23, High Tide



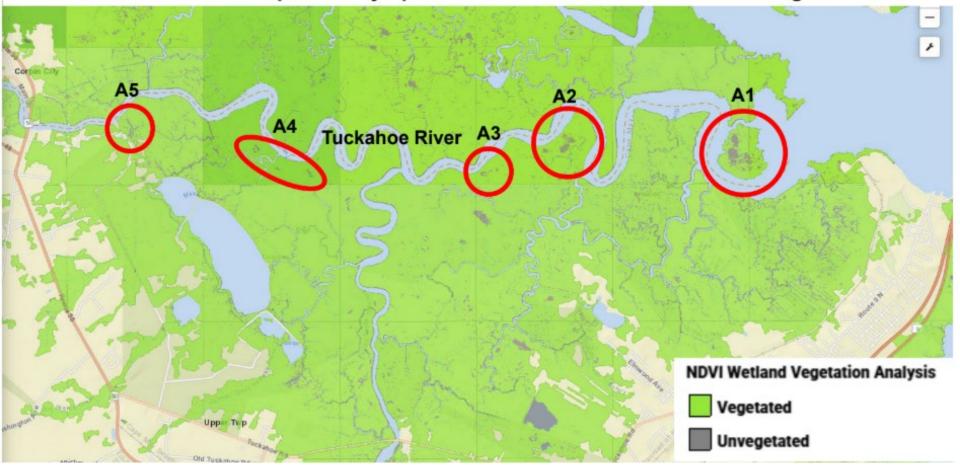
On 3/9/16, at low tide, the 2 large ponds on Tuckahoe Island retain water at low tide.

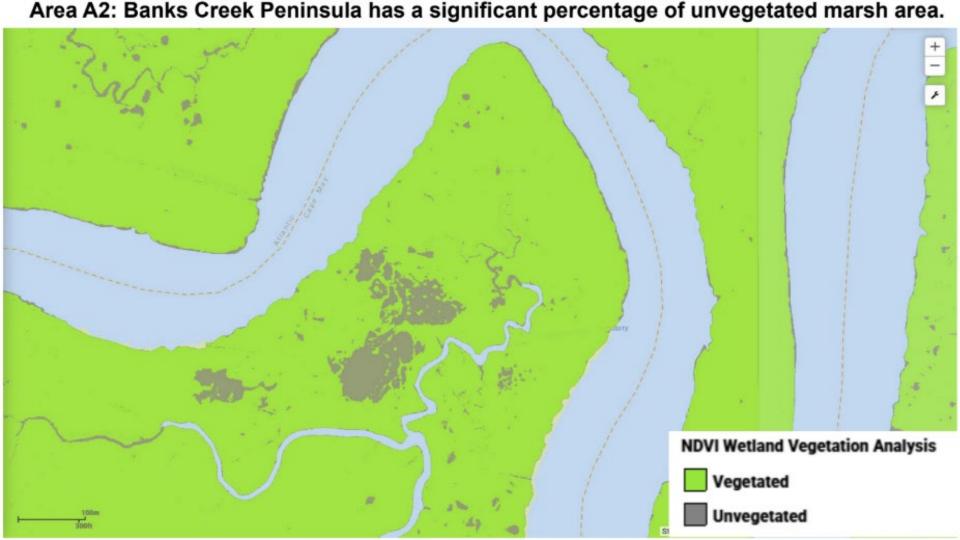


On 3/24/19, at low tide, the 2 large ponds on Tuckahoe Island are drained.



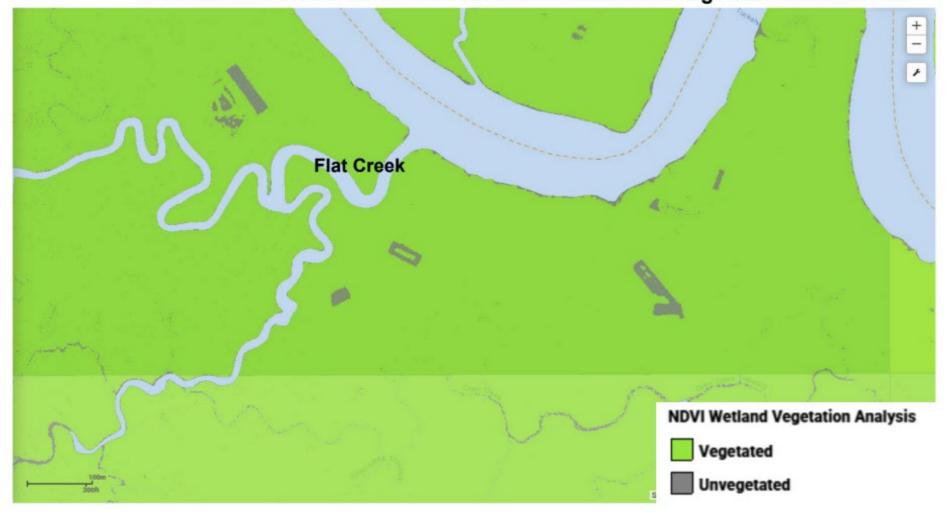
Along the Tuckahoe River from the Great Egg Harbor River to Route 50, there are unvegetated marsh areas that could be potentially uplifted to reduce water and increase vegetation.





Area A3: This area has some unvegetated marsh area. **NDVI Wetland Vegetation Analysis** Vegetated Unvegetated

Area A4: This area around Flat Creek has scattered unvegetated marsh areas.



Area A5: This area near Mosquito Landing has some unvegetated marsh area.



#### TNC and Restoration in the Great Egg Harbor Watershed

#### From NJDEP:

The Nature Conservancy is looking to initiate a pipeline of restoration projects in this watershed (Step 2 and Step 3 on the chart), with NJFW up taking Steps 4-7 in partnership with OMR (Office of Maritime Resources) when sediment becomes available (seems highly likely in late 2026 at the moment). TNC would likely be starting in early 2026.



### Steps for Coastal Restoration Projects

#### DRAFT NJDEP Fish and Wildlife - Coastal Restoration Workflow **Concept Design** Post-Project Adaptive Permitting Develop Area of Interest Development Management & Monitoring Submit for NJFW Letter of Support Consult with NJFW Coastal Unit **Analyze High Resolution Data Create Adaptive Management & Conduct Remote Sensing Analysis** Monitor site according to **Develop Low Resolution Data Collection Set Ecological Targets** Monitoring Plan (AMMP) AMMP Submit for all permits identified in **Develop Concept Plan** Consult with regulators and Submit Site Access SUP Application Regulatory consultation (State & Submit Concept Plan for Land implement adaptive **Collect Low Resolution Data** Federal) Compile All Data and Draft Site Narrative **Management Review** management practices to Coordinate with Regulators as Coastal Unit consultation with Regional Consult with Regulators achieve ecological targets needed Dredge Team (if applicable) [1 Identify Restoration Site Engineered Design Project Implementation Development (if applicable) & Collect Project Data Submit final public **Begin Public Stakeholder Efforts** notifications & post signage Coordinate with Engineers to **Identify Restoration Boundary** Coordinate with Dredge Team assess models **Develop High Resolution Data Plan** via regular meetings (if Amend design as necessary to Apply for or amend SUP with High applicable) achieve Ecological Targets Resolution Data Collection Plan Assess site conditions & Review Signed/Sealed Plans **Collect High Resolution Data NEW JERSEY DEP** adaptively manage as needed Fish and Wildlife 6

1

We are here: **Piloting** Areas of Interest (AOIs) within the Tuckahoe **WMA** 

# **Develop Area of Interest**

- Consult with NJFW Coastal Unit
- Conduct Remote Sensing Analysis
- Develop Low Resolution Data Collection
   Plan
- Submit Site Access SUP Application
- Collect Low Resolution Data
- Compile All Data and Draft Site Narrative
- Coastal Unit consultation with Regional Dredge Team (if applicable)

#### Step 1: Develop and Area of Interest This Summer

This would involve a remote sensing analysis:

- GEHWA Survey 123
- NJDEP & NJDOT Data requirements

Followed by low-resolution data collection efforts:

- MidTRAM: Mid Atlantic, Tidal Wetland Rapid Assessment Method
- Potentially ARUs (Autonomous Recording Unit)
- Shellfish monitoring

#### **GEHWA's Role: Data Collection**

This summer GEHWA will be gathering Marsh edge data as we did last year via our Survey 123 field survey app, as well as any other data that DEP and/or NJDOT may need.

In addition we will be monitoring for Oyster Spat, Counting Osprey Chicks, and Monitoring for the presence of Salt Marsh Sparrow.

### Beesley's Point Princeton Hydro Project Updates

On April 24th, the Wetlands Mitigation Council was presented with our proposal to do restoration work on the Beesley's Point Development Group site.



#### Beesley's Point Tidal Wetland Enhancement Project

Letters of support from the <u>National Park Service</u>, <u>Upper Township</u>, and the <u>Beesley's Point Development Group</u> were submitted with the application.

#### **Project Goals**

- Remove invasive plant species (Phragmites) from high marsh.
- Plant native high marsh species: Saltmeadow Cordgrass (Spartina patens) and salt grass (Distichlis spicata)
- Plantings will be monitored and maintained for 5 years and the project will include a comprehensive bird study

On 2/7 GEHWA went out in the field with Princeton Hydro, BPDG, and the NJ Wetlands Mitigation Council A decision was made to expand the project to include stabilizing the bay shoreline for \$1.5 million.





## Supplemental Project Scope

In addition to our originally proposed effort, we have added 800 linear feet of shoreline stabilization protected with 540 linear feet of rock sill resulting in a proposed 0.71 acres of wetland restoration. Not only will this stabilize and prevent future tidal marsh loss but will restore 0.71 acres of tidal marsh and enhance an additional 1.47 acres of high marsh, increasing the habitat suitability for tidal marsh obligate species, especially black rail and saltmarsh sparrow. This supplement increases the mitigation value of the project to the following:

- 8.18 acres enhanced tidal marshland (additional Phragmites control)
- 0.71 acres of restored tidal marshland (restoring within the 1977 wetland limits)

The added budget request for this supplement to our original proposed project is \$800,000.00. The added cost is \$945,500.00, bringing a notable increased value to this overall project while remaining within the allotted \$1,500,000.00 budget available.

This additional scope will set sills at the 1970 wetland line (Figure 2) to maximize the allowable acreage of wetland restoration. Maps reveal a notable opportunity for restoring lost tidal marsh in this area, where rates of 0.8 feet per year lost are estimated in the past 20 years alone (Figure 3).

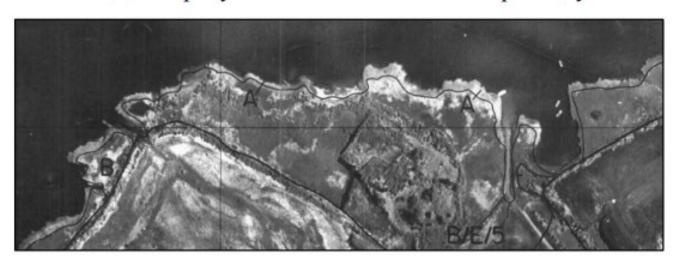


Figure 2. The 1970 NJ Wetlands Imagery. Source: https://www.arcgis.com/apps/mapviewer/index.html?layers=cc963c2e469643539a4f2e6724e70a96

## Marsh Edge loss 2002 - 2023

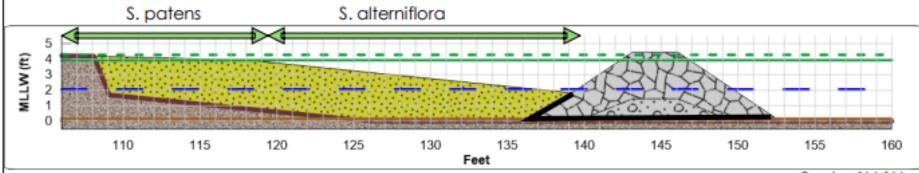


Figure 3. NJ Tidelands Claim Line showing >35feet of tidal wetland loss from 2002-2023, or ~0.8ft/yr.



Figure 5. Examples of placed stone to promote access and mobility by aquatic species.

# Concept Design



Scale: 1V:1H

Rock Sill: Armor Stone: Placed, D50~2ft, 3ft crest at MHW+0.5ft at 1.5:1

Core Stone: D50~6in

Fill Sand: <5% passing the #200 sieve, <10% passing the #100 sieve

D50 = 0.6 mm (+/-0.25 mm), 10:1 slope from MHW to MTL/Sill

Geotextile: Heavy duty, woven composite geogrid/textile

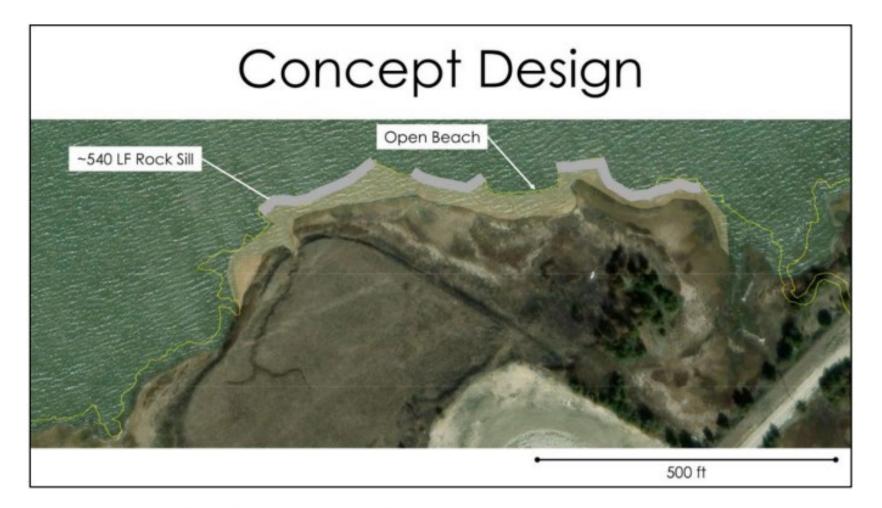
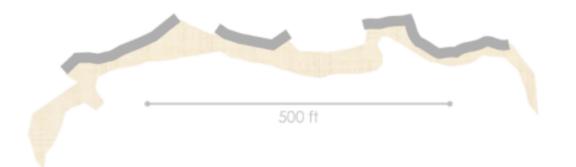


Figure 6. Planar view of estimated sill placement and restored habitats.

## Concept Design



Armor Stone: 31.0 sf/lf x 540 lf = 620 cy Core Stone: 10.5 sf/lf x 540 lf = 210 cy Fill Sand: 72 sf/lf x 800 lf = 2,100 cy Geogrid/textile: 28 lf/lf x 540 lf = 1,700 sy

**Planting Area:** ~0.71 ac (~50/50 high/low marsh)

Figure 7. Planar conceptual design with quantities.

#### 4/24 Project Verdict

The Council had concerns about using a large portion of the fund for phrag removal.

However, the Council has urged us to re-submit our proposal but focus on the shoreline restoration aspect.

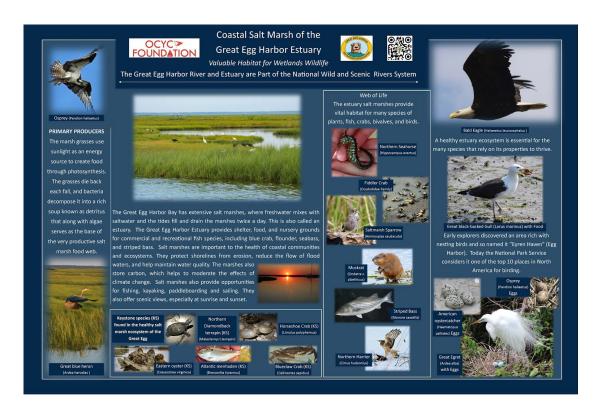
The Wetlands Mitigation Council is meeting and reworking their RFP (request for proposal) June 19th.

GEHWA and Princeton Hydro will see what they put out and make a decision for re-submittal

#### Ocean City Welcome Center Coastal Marsh Sign

We were given approval by Ocean City to install our sign at the Ocean City Welcome Center on the 9th street bridge.

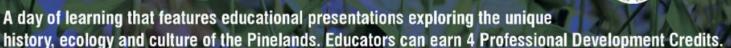
We are currently in the process of getting quotes from various local sign companies.





FRIDAY, JULY 18, 2025 (RAIN OR SHINE) QAM \_ 3PM

KRAMER HALL, HAMMONTON





Brooke continues to meet with Upper Township to plan and organize the Tuckahoe Paddle event.

Registration Forms Available at: UPPERRESCUE.COM/PADDLE



#### **UPPER TOWNSHIP RESCUE SQUAD**

#### TUCKAHOE RIVER PADDLE RACE

#### & POKER RUN <u>FUN</u>DRAISER

AT THE UPPER TOWNSHIP MUNICIPAL BEACH, MOSQUITO LANDING ROAD, TUCKAHOE, NJ



Saturday August 3rd, 2024

Unsafe weather date August, 4th 2024

More than 100-year-old human bones found on three South Jersey beaches identified

Source: Press of AC

n March 1999, Paulette Fox walked the Margate beaches with her two boys, her husband and her Labrador Retriever, Katy.

Katy found a femur bone on the beach.

"It looked human," said Fox, who added she took the bone to the Margate police department. "It was a complete femur bone. It was too large to be anything else."

A skull washed ashore in 1995 in Longport, and more bones than just the femur were found in 1999 in Margate. Additional remains were found in 2013 in Ocean City.

John Doe's scattered remains went without a name for 30 years since traditional methods of investigating could not deliver an identification.

New Jersey State Police and the Ramapo College of New Jersey Genetic Genealogy
Center, Mahwah, Bergen County, confirmed the identity April 8. The bones belonged
to Henry Goodsell, 29, the captain of the Oriental, a ship that wrecked in 1844 off the
coast of Brigantine Shoal.

The ship was wrecked in 1844 off the coast of Brigantine Shoal. It was reported the ship likely sprung a leak and went down less than one mile from the shoreline. All crew members died. Goodsell was the ship's captain.

Given the evidence discovered by the IGG Center students, the candidate, Goodsell, was delivered to the State Police for consideration. On March 7, the State Police collected a family reference sample from a great-great grandchild of Goodsell.

Goodsell's identity was confirmed on April 8.

"I was really impressed with the work of our students and volunteers. I believe it's the oldest case with investigative genetic genealogy," Binder said.

## Fun Fact: Salt hay was used for grazing animals

At the Pinelands Short Course, Fred learned that throughout the 1800s and early 1900s, farmers dug ditches in the salt marsh to graze farm animals. The ditching kept the livestock from wandering and the salt hay served as a free source of food for the animals.

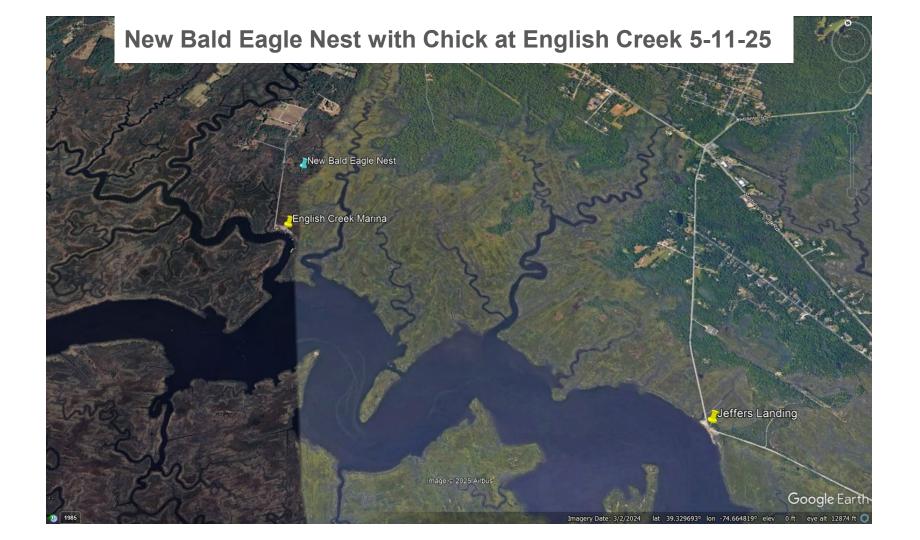
It was later on that the marshes were ditched for the purpose of Mosquito Control.

#### Black Skimmers Spotted near Rt 49 on the Tuckahoe



On 5/24, we observed Black Skimmers up-river at sunset!

From late April to mid-May, Skimmers arrive at their breeding grounds. They usually establish colonies on marsh islands or inlets, where they have had success in the past.



#### **New Bald Eagle Nest with Chick at English Creek 5-11-25**



## Noticing Nature Abroad - Exploring Central America

In April and June, Brooke had the opportunity to visit Central America twice.

Leaving the country was a bit of a shock and she got to see how Nicaragua & Costa Rica do (or don't) conserve wildlife & protect the environment.





## Iguana, Nicaragua

Nicaragua is a poor country where many people build their homes from any materials that they can find, live off the land with many farm animals on small lots, and have to burn their trash.

Legitimate roads are beginning to be built. However, they are elevated to the height of many people's homes, causing them to flood when there are rain storms. Nicaraguans are disassembling their homes to move back further from the road





Surfing in Nicaragua was great, but one thing that is happening in these less developed countries is privatization of the beaches, especially where there are good waves.

Developers with money are noticing opportunities to build private communities, charge surfers / tourists to stay there, and keep locals out. Think ski resort.

This is happening at the expense of local communities. Some of which have been demolished in Costa Rica.

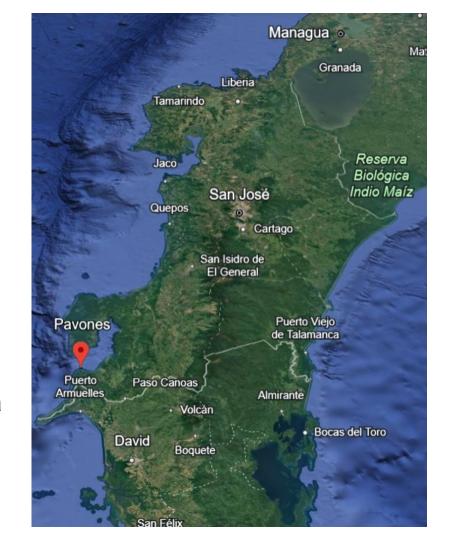




#### Pavones, Costa Rica

Pavones is located in the Southern Pacific region of Costa Rica. Situated in the southern part of the Gulfo Peninsula, Pavones has yet to be spoiled by development, shopping centers and hotels.

Many consider Pavones to be one of Costa Rica's last true paradises. It is considered the end of the road in Costa Rica and is situated in one of the most bio-diverse areas in the world.









Riding horses at the border of Panama on the Bribri indigenous reservation.

From here, it would be a 7hrs on horseback through the jungle to Panama.

This is known locally as "the end of the road"

