



AGENDA
BEACH TASK FORCE
November 18, 2021 at 12:00 PM

Call to Order

Approval of Minutes

1. Minutes: September 16, 2021

Old Business

2. Nancy DeVetter: Shorebirds Stewards City Council

New Business

3. Alan Robertson: USACE Ship Wake Study
4. Alan Robertson: UGA Back River Study
5. Cathy Lewis: Nominating Committee Assignments
6. Cathy Lewis: Committee Members Renew Membership

City Manager Comments

Adjournment

File Attachments for Item:

1. Minutes: September 16, 2021

Cathy Lewis called the meeting to order at 12:00PM, September 16, 2021, via zoom. Those in attendance were: Alan Robertson, Helen Downing, Frank Wooldridge, Michael Foran, Kate Burns, and Harvey Ferrell. Officials in attendance were City Manager, Shawn Gillen; and Jan LeViner, Clerk of Council.

Michael Foran made a motion to approve the minutes from August 19, 2021. **Sam Adams** seconded. Vote was unanimous to approve.

Kate Burns gave a presentation on Georgia Coast is Not an Ashtray Program. Ms. Burns stated the City received twenty (20) standing ash cans for cigarette butts. This is in addition to shipments received as this is Tybee Island's fourth year participating in the Program. She recommended businesses take ownership of these so they do not disappear. Ms. Burns stated additional shirts and coasters have also been received for use on the Island.

New Business

- **Ms. Lewis** stated in January the Task Force will be electing a new Vic-Chairman as Mark Padgett moves in the role of Chair. She proposed the Task Force hold their annual meeting in January 2022 at which time a Vice Chairman will be elected. **Frank Wooldridge** made a motion to elect a Vice Chairman in January 2022. **Mike Foran** seconded. Vote was unanimous to approve. **Kate Burns** stated she would take on the responsibility of contacting all the Task Force members to see who might be interested in the Vice Chairman position.
- **Alan Robertson** gave updates on the Beach, Beach Management Plan and DNR. Mr. Robertson gave a brief presentation on the **Ship Induced Wave Investigation for Savannah River Navigation Channel** which is included in their packet. He stated this is a four (4) month Study and in December 2021 there will be an analysis which will have to go through many levels of approval. The delivery of the report is expected May or June 2022. Monitors have been positioned on the south and north range of the Channel to include one near-shore. The data is combined with the data from the ship (speed and how large the ship is) the waves and current are captured and takes pictures. He then showed different graphs of the waves generated by ships. Mr. Robertson stated this is a very comprehensive data gathering project. He feels the COE will share a draft of the findings once the approval process is complete. Mr. Ferrell asked if the cameras catch all boats to include shrimp boats and tour boats. Mr. Robertson confirmed. Ms. Burns asked when the Study is completed might the City receive money for future beach re-nourishments. Mr. Robertson stated it is believed the wakes are due to the deepening and widening of the Channel and the bigger boats but then again there is no data. This is a way to collect data and hope this would give us a way to re-nourish the beach. Mr. Adams posed questions regarding ship wake and incoming/departing vessels to Mr. Robertson to which he will in turn ask the COE as he did not have the answers. Mr. Robertson then gave an update on the meeting with **DNR**. He stated Ms. Lewis and himself met with representatives from DNR to discuss the Coastal Management Program to discuss a grant they receive from NOAA. DNR asked if the City would like them to assist in updating the Beach Management Plan with this grant. He feels it could be upgraded but needs to be a more extensive Plan. They would facilitate the meetings and actual updating of the Plan. The Grant would be used to give the City support as needed. He would like to invite DNR to meeting with Staff to further discuss. Mr. Robertson gave an update on the **Back River Study**. He stated the UGA Students were on the Island in June and are attending classes in the fall. Mr. Robertson stated they are on schedule and expects the City will receive preliminary ideas in January 2022. Ms. Lewis thanked Mr. Robertson for his reports.

Dr. Gillen stated Mr. Robertson is also working on a permit for the beach crossovers.

Mr. Lewis reminded everyone the next meeting will be November 18, 2021 at noon, Public Safety Building.

Harvey Ferrell gave a brief update on the restoration of the Cockspur Lighthouse.

Being no further business, meeting was adjourned at 12:55PM.

Jan LeViner, MMC
City Clerk

File Attachments for Item:

3. Alan Robertson: USACE Ship Wake Study

Ship Induced Wave Investigation for Savannah River Navigation Channel

Timeline:

- Award contract: Jan 2021
- Site visit: Feb 2021
- Bathymetric Survey: May 2021
- Deployment: July 2021
- **Service: Sep 2021**
- **Recovery: Dec 2021**
- **Analysis: Apr 2022**



Monitoring Locations – Instrumented Platforms

South Range

North Range

Near-shore



Power: 250 W solar panels (2 per station)

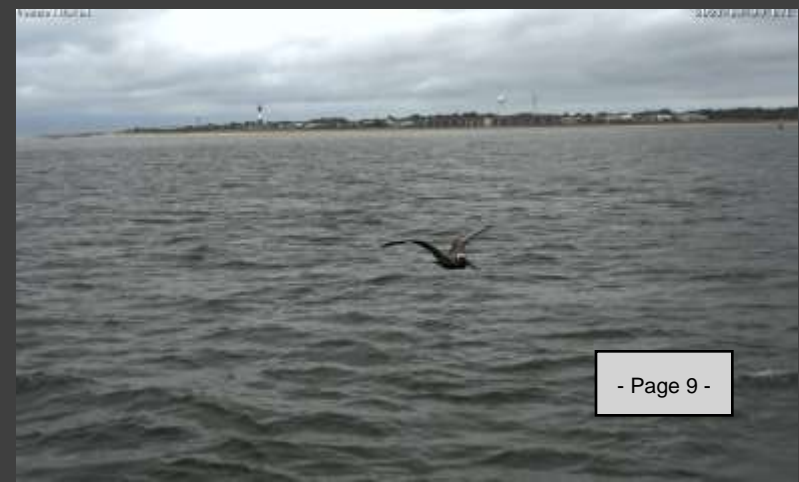


Monitoring Equipment

Measurement	South Range	North Range	Near-shore
Waves	✓	✓	✓
Currents	✓		
Photos		✓	



Camera – North Range



Data collection started 1-August-2021

- Real time:
 - Pressure North Range (water depth)
 - Pressure South Range (water depth)
 - Camera
 - Internal:
 - Currents
 - Near-shore waves
 - quarterly:
 - Automated Identification system (AIS)
 - Vessel stats (length, beam, speed, type)
-

