

**AGENDA
TOWN OF JUPITER ISLAND
BEACH PROTECTION DISTRICT MEETING
TUESDAY, FEBRUARY 13, 2024
ISLAND ROOM – TOWN HALL – 2 BRIDGE ROAD
(IMMEDIATELY FOLLOWING THE TOWN COMMISSION REGULAR MEETING)**

1. Consent Agenda

Category A- To be reviewed and approved (as is or as edited) by the Town Commission

- a. Minutes of the January 9, 2024, Beach Protection District Meeting
- b. Beach Cleanup Report

2. Beach Cleaning RFP

3. Beach Status*

4. Other Items*

** No advanced materials provided*

Town Commission

Penny Townsend, Mayor
Marshall Field, VI, Vice Mayor
Anne Scott, Commissioner
Patricia Warner, Commissioner
Joe Taddeo, Commissioner

STATE MANDATED STATEMENT

If a person decides to appeal any decision made by the board, agency, or commission with respect to any matter considered at such meeting or hearing, he will need a record of the proceedings, and that, for such purpose, he may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Any person requiring a special accommodation at this meeting because of a disability or physical impairment should contact the Town prior to the meeting. Please contact the Town Hall, 2 Bridge Road, Hobe Sound, FL 33455, telephone (772) 545-0103.

**MINUTES
TOWN OF JUPITER ISLAND
BEACH PROTECTION DISTRICT MEETING
JANUARY 9, 2024**

TIME: Tuesday, January 9, 2024 – Immediately following the Town Commission Meeting
PLACE: Town Hall Island Room – 2 Bridge Rd., Hobe Sound, FL
PRESENT: Mayor Penny Townsend, Vice Mayor Marshall Field VI, Commissioner Anne Scott, Commissioner Patricia Warner, Commissioner Joseph Taddeo, Town Manager Robert Garlo, Beach Protection District Director John Duchock, Town Attorney Thomas Baird, IT Director Bill Sutton, and Recording Secretary Deborah Sperco.

Mayor Townsend called the meeting to order at 4:19 pm

1. Consent Agenda – Category A

Category A- To be reviewed and approved (as is or as edited) by the Town Commission

- a. Minutes of the December 14, 2023 Beach Protection District Meeting
- b. Beach Cleanup Report

MOTION: *Scott/Taddeo moved to approve the Consent Agenda as presented.*

ACTION: *Motion passed 5-0.*

2. SB4-A Funding Agreement Update

Director Duchock provided an update regarding the SB4-A funding agreement. This is additional funding that was approved by Division of Emergency Management (DEM) and does cover the local share of the Town's upcoming beach restoration project.

3. Beach Status

Director Duchock stated that the beaches are in good condition compared to one month ago. There is no evidence of change in what has happened over the last month, even though there have been high winds since they were from the South. However, Island-wide most of the hot spots appear to be stable. There remains some activity between 145-165 South Beach, which was originally part of a larger hot spot. Activity notes some mild erosion over the past thirty days but not high pressure or heavy losses.

Last month the wave record for offshore wave height was over ten feet; currently they are approximately six feet offshore. Mr. Duchock reported that the sand at the North end of the Island has thinned out and is moving in a southerly direction. The area around 45 N Beach remains stable although typically it is noted this time of year; there are some areas closer to the public beach that remain stepped. The hot spot area from 33 S Beach to the beach club appears to be relatively stable but continues to observe some sand erosion at the North end during high tide on the upper beach into the vegetation area. Moving southerly there still seems to be some loss of beach on the berm face itself as reflected in the photographs of 167 S Beach Road. In November 2023 at 269 S Beach Road significant sand loss was reported last year in November during very heavy sea conditions during a king tide, but current conditions indicate some natural recovery. Sand has also naturally reinforced the beach at 450 S Beach, while at the 600 block, the beach has improved over the last month retreating from the vegetated dune and stabilizing the lower beach. The 600 block of the

Island still has a lot of sand out in front of the homes that moved in a few months ago but should re-adjust back to normal conditions.

5. Other Items*

Director Duchock received notification that the State has awarded the Town \$160,000 for the Vulnerability Assessment grant. A kick-off meeting is being planned to define the strategy enabling the consultants at Cummins Cederberg to prepare a comprehensive scope of services that lies within the grant's parameters. Mr. Duchock stated that there is much research that still needs to be done to evaluate and identify the greatest areas of concern for the Island. He anticipates presenting the recommendations for approval at the next Commission Meeting.

Mayor Townsend adjourned the meeting at 4:28pm.

Respectfully submitted,

Kimberly Kogos, Town Clerk



TOWN OF JUPITER ISLAND

Public Works Department

12921 S.E. Suzanne Dr.

Post Office Box 7

Hobe Sound, FL

33475-0007

Town of Jupiter Island Public Works Department

Beach Cleanup, January 2024

The Public Works Department completed the fourth beach cleanup for the 2023-2024 season in January. Areas covered spanned from the Fish and Wildlife parking lot to the Parking Lot in the north to Blowing Rocks Preserve in the south. Approximately 8.8 miles of beach are covered during each cleanup, collecting all manmade material larger than a penny. Debris is then transported by small trucks to Coastal Recycling Drive for disposal. Work is performed by the Public Works Department.

During this cleanup, crews found light accumulation of debris concentrated within or close to the rack line throughout the beach. Debris totaled approximately 1250 lbs. and consisted primarily of floating debris and light, blown items that had become entangled within the seaweed, both surf and wind were found to be light. Additionally, 550 lbs. of lumber/wood and miscellaneous other manmade materials were found and disposed of. Eight seabirds were found and buried, and one syringe was encountered during the cleanup and reported to Public Safety for collection. One boat motor was also removed from the beach. This beach cleanup followed the recent trend of relatively light accumulation, but pockets of debris were found in concentrated locations. Recent erosion most likely prevented debris from being transported to dry ground.

Four men utilizing ATVs and on foot covered all areas over three days. Particular attention was paid to collecting hazardous debris during the cleanup to ensure a safe experience for our seasonal residents and families. Extra care was taken to ensure that any broken glass or sharp objects were collected and the surrounding sand carefully inspected for any remaining sharps. Public Works conducted this work in a professional and careful manner, using existing points of access, with little impact to the beach and dune areas.

Month	Man-hours	Debris Volume (lbs.)
October 2023	144 Man-hours	2,150 lbs.
November 2023	60 Man-hours	1,550 lbs.
December 2023	96 Man-hours	1,800 lbs.
January 2024	45 Man-hours	1,800 lbs.
Total	345 Man-hours	7,300 lbs.

TOWN OF JUPITER ISLAND

MEMORANDUM

TO: Mayor & Town Commission

THROUGH: Robert Garlo, Town Manager

CC: Kimberly Kogos, Town Clerk

FROM: John Duchock, Assistant Town Manager/Beach District Director
Stuart Trent, Public Works Director

RE: Beach Cleaning Request for Proposals

DATE: 2/5/2024

Background:

The Public Works Department conducts monthly beach cleaning activities along the Town's beaches between November and May each year. As reported in the monthly beach clean up reports, the Public Works Department collects and removes more than 8 tons of trash and debris each year on average. Work is conducted on foot and by hand with support from several ATVs for moving manpower and materials along roughly 8 miles of beach. On average the effort requires 700 man-hours (100 hours per month) which, when broken down, equates to a two to three-person crew spending nearly a full week each month hand picking and bagging pieces of trash as small as a quarter.

The service provided by Public Works to the residents is of significant value as it not only removes significant amounts of trash but it also removes dangerous items, such as medical waste, chemical/fuel containers, and other hazards. The program has occasionally required bringing in outside assistance through day labor companies with mixed results. While the program continues to function well and provide a high level of service, it is not without costs and challenges to Town employees. Costs come not only in the form of salaries and benefits paid, but in lost productivity in conducting the primary functions of Public Works which are residential trash collection and recycling, brush removal, landscaping and grounds maintenance, facilities maintenance, and roadway maintenance.

Recommendation:

To maintain the highest level of service for the primary functions of the Public Works Department, staff recommends soliciting bids from experienced and qualified beach cleaning service companies through a competitive bidding process (Request for Proposals). Based on the results of the RFP, the Commission may consider entering into a contract for beach cleaning services, potentially at an increased frequency than currently being conducted to better meet the Town's needs.