



January 30, 2020

Judy Davies-Dunhour, Mayor
Borough of Stone Harbor
9508 Second Avenue
Stone Harbor, NJ 08247

RE: 2020 Critical Actions for Bay and Basin Program in 2020

Dear Judy,

This is the second of three letters SHPOA [Stone Harbor Property Owners Association] will be sending focusing on critical actions the Borough should prioritize as part of the Sustainability Program for our Island. You may recall we sent similar letters last year focused on the next 12 months.

SHPOA's first letter dealt with actions necessary to maintain and protect our beaches. This letter deals with actions for maintaining and protecting our Bays, Channels and Basins. The SHPOA Sustainability Program for the Island has four programmatic areas we call "legs on the stool". These are:

- 1) Beaches
- 2) Bays
- 3) Flood Management
- 4) Water Supply/Conservation

Sediment Infill Monitoring

The Borough has proactively contracted with the Coastal Research Center (CRC) to provide a post dredging survey of sediment accumulation in the areas dredged in 2017. We have previously recommended that CRC be engaged annually and measure how fast



sediment is accumulating. We have also recommended that the monitoring points for this work be located at the mouths of all the basins. The prior two surveys measured sediment

infilling in the Channels. We are encouraged to see that monitoring done this year will be at the mouth of the Basins. A working theory is that if the Channels near the opening to the Basins are dredged regularly, infill rates for the Basins would be reduced and the time frame for dredging the Basins can be extended. This will reduce costs and the Channels will continue to perform their vital functions.

Reserve for Bay, Channel, Basin Maintenance

We understand the Borough is moving ahead with a dedicated tax to fund the recently established Bay Reserve. We have recommended funding of the Reserve at \$750,000 - \$1.0 million annually. Routine dredging of the Channels every 3 to 5 years will keep the Basins from filling, keep dredged sediment quantities manageable, and allow for the use of regional disposal facilities. All of these benefits will also reduce costs. The Borough should consider starting the drafting of the dredging maintenance contract for use in 2021 if necessary. They should incorporate ideas from the attached letter SHPOA sent in December 2017 which specified areas of improvement for future dredging contracts and operations.

SHPOA appreciates your partnership in the program for a Sustainable Island. We believe the actions outlined are key to an effective, long-term Bay & Basin maintenance program. SHPOA's Beach and Bay Committee is prepared to assist as you move forward.

Regards,

Bob Charamella
President, Stone Harbor Property Owners Association



December 2018

Judy Davies-Dunhour, Mayor

Borough of Stone Harbor

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A handwritten signature in dark ink that reads 'Robert L. Charamella'. The signature is written in a cursive style with a large initial 'R'.

Bob Charamella
President, Stone Harbor Property Owners Association