



Florida Department of Environmental Protection

WINDSHIELD SURVEY REPORT

Required Signatures: J. Spanier

Hurricane Name: 2017 Pre-Season		Survey Date: 5/22/17 & 5/24/17					Survey Tide Stage (if known):							
County Surveyed (include City, Town, Inlet, etc., if applicable)	From Reference Monument #	To Reference Monument #	Beach/Dune Conditions:					Type of Structural Damage:						
			No Damage	Condition 1	Condition 2	Condition 3	Condition 4	Under Structure	Foundation	Super Structure /Roofs	Armoring	Dune Walkover /Decks	Public Infrastructure	Other
Brevard County														
Cocoa Beach Pier	R-16	R-17	X											
Pineda Ocean Club (Tube Structure)	R-75+380	R-76+270	X											
Paradise Beach Club	R-85		X											
Satellite Beach (Ocean Street to Shell Street)	R-95	R-97				X								
Indialantic Boardwalk	R-123	R-126	X											
Melbourne Beach (Tube Structure)	R-153		X											
Melbourne Beach	R-158+360	R-159			X									
Melbourne Beach	R-182	R-188				X								
Sebastian Inlet (North Jetty)	R-219		X											
Summary of General County-Wide Conditions (<i>i.e., shoreline and dune bluff erosion, overwash, storm surge and flooding, profile lowering, etc.</i>): Overall, no immediate areas of concern are identified. Although many beaches still have sand deficits from Hurricane Matthew and the subsequent winter, many areas and private residences added beach quality fill. Brevard County was placing sand well into nesting season and also coordinating private placement efforts under the Emergency Order and it has helped restore the dunes in many locations. Given the location of vertical scarps in relation to major structure, particular attention should be given to the Shell Street and Ocean St. properties.														
Site-Specific Conditions (<i>i.e., unauthorized construction/activity, beach debris, vegetation impact, sea turtle nest impact, etc.</i>): Please see below photos for site-specific conditions.														
Inspector's Signature: _____ Date: _____ Jason M. Spanier 05/26/17 Please attach photographs (including location and brief description)														



1. View looking north from ~R-17 toward the Cocoa Beach Pier. This beach is very wide, flat and stable. No areas of concern were observed.



2. View looking south from ~R-17 just south of the Cocoa Beach Pier. This beach is very wide, flat and stable. No areas of concern were observed



3. View looking north seaward of the Pineda Ocean Club. This fill was recently placed and is usually added annually (prior to nesting season) to ensure that the existing tube structure is adequately covered. Also visible is the older 3-4' scarp behind the fill.



4. View looking south seaward of the Pineda Ocean Club. This fill was recently placed and is usually added annually (prior to nesting season) to ensure that the existing tube structure is adequately covered.



5. View looking north along the seawall at Paradise Beach Club just south of R-85. In this area it is typical for water to come up to the seawall as evident with the wrack zone. In this location the beach is generally flat with no dune system or native vegetation.



6. View looking south and a 180 degree pan from Photo #5. This section of beach is not armored and currently has a 4-6' landward scarp which is typical for this location. During periods of high waves/tides it is typical to see water up to the scarp as this beach is flat. BE-1346 construction is also pictured here in the distance.



7. View looking north at R-95.5, just seaward of the Desoto access and Ocean St. Pictured here is a 2-4' landward scarp.



8. View looking south at R-95.5, just seaward of the Desoto access and Ocean St. Pictured here is the north property on Ocean Street where fill was recently placed under the Hurricane Matthew Emergency Order.



9. View looking south along the length of Shell Street. Currently there is a 4-6' landward scarp across the majority of the area. Just to the north of the photo there is some old debris/rock that was exposed on the beach. Some of the properties just south of this photo placed sand under the Hurricane Matthew Emergency Order and can be seen in the photo.



10. Same location as Photo #9 just taken from the elevated public dune walkover to get a better vantage point and to illustrate the proximity of scarp to major structures. This area is typically impacted during heavy storm/wave events. In addition, some of the debris can now be seen on the sandy beach.



11. View looking north along the beach at R-123 just seaward of the Indialantic Boardwalk. Currently, the beach is wide with a accreting foredune.



12. View looking south along the beach at R-123 just seaward of the Indialantic Boardwalk. Currently, the beach is wide with a accreting foredune. There were no areas of concern noted throughout this area.



13. View looking north along the beach at ~R-153 toward the 3125 A1A, Melbourne Beach address. There is an existing tube structure at this residence.



14. A 180 degree pan from Photo #13 at R-153. Sand was placed at this residence after Hurrican Matthew under the Emergency order.



15. View looking north along the beach at ~R-159. Currently, there is a 2-4' low angle scarp located at mid-beach. As observed in the photo beach compatible fill and supplemental dune plantings were placed here by the county following Hurricane Matthew.



16. View looking south along the beach at ~R-159. Currently, there is a 1-3' low angle scarp located mid-beach at this location. There is a much larger and steeper slope further landward in this direction.



17. View looking north along the beach at ~R-187.5 just north of the Sebastian Beach Inn. As observed in the photo beach compatible fill and supplemental dune plantings were placed here by the county following Hurricane Matthew.



18. View looking south along the beach at ~R-187.5 toward the Sebastian Beach Inn.. Currently, the beach is wide for this area with no seaward scarps being observed. As seen in this photo, sand was placed to the seaward end of the dune walkover. Sand placement under the Emergency Order also included the planting of Sea oats here.



19. View looking north along the beach at ~R-215 just north of the Sebastian Inlet. Currently, there are no areas of concern at this location and the beach slopes moderately to the water.



20. View looking south along the beach at ~R-215 just north of the Sebastian Inlet which can be seen in this photo. Currently, there are no areas of concern at this location and the beach slopes moderately to the water.