

Recovery Recommendations and Management Strategies

AREA-WIDE STRATEGIES AND RECOMMENDATIONS

Encourage expedited federal funding from the U.S. Army Corps of Engineers (USACE) to conduct maintenance beach nourishment of the federal shore protection projects.

Seek Federal Emergency Management Agency (FEMA) assistance to repair non-federal beach nourishment and dune restoration projects.

Conduct assisted recovery of the beach and dune system consisting of dune restoration and re-vegetation, with supplemental beach fill as needed, in areas where significant upland development is vulnerable to the threat of storm damage. Allow natural recovery in undeveloped areas, as appropriate.

Conduct removal from the active beach and dune system miscellaneous storm-generated debris, such as construction debris and derelict sand-fill geotextile armoring structures.

Support further sand search studies to locate sufficient upland and offshore sand resources to replenish storm-eroded beaches.

Conduct post-storm coastal monitoring to assess beach erosion impacts and to assess beach recovery progress and any additional recovery needs.

Provide beach management technical support to assist in coordination with local governments for hazard mitigation/beach management planning, removal of storm-related debris on beaches, and restoration of public dune walkovers.

Re-evaluate coastal construction design standards for re-validation for the Florida Building Code.

SITE-SPECIFIC RECOMMENDATIONS

Volusia County

- **North Peninsula**

Natural recovery – Undeveloped lands seaward of US Highway A1A (R1-R39).

Assisted recovery – Dune restoration and re-vegetation (R40-R145).

- **New Smyrna Beach/Bethune Beach**

Natural recovery – Undeveloped lands or development set back from beach (R149-R161).

Assisted recovery – Dune restoration and re-vegetation with supplemental beach fill (R161-R208). Accelerate the design and construction of a non-federal beach restoration project.

Brevard County

- **City of Cape Canaveral & Cocoa Beach**
Interim beach nourishment, or if necessary, early construction of the scheduled maintenance nourishment of the Brevard County (North Reach) Shore Protection Project (R1-R53).
- **Satellite Beach & Indian Harbour Beach**
Assisted recovery – Dune restoration and re-vegetation (R85-R118). Accelerate the design and construction of the Brevard County (Mid-Reach) Shore Protection Project in environmentally suited areas.
- **Indian River/Melbourne Beach**
Interim beach nourishment, or if necessary, early construction of the scheduled maintenance nourishment of the Brevard County (South Reach) Shore Protection Project (R118-R138).
- **South Brevard County**
Assisted recovery – Dune restoration and re-vegetation (R138-R218).

Indian River County

- **Sebastian Inlet State Park & Ambersand**
Interim beach nourishment, or if necessary, early construction of the scheduled maintenance nourishment of the Ambersand Beach Restoration Project (R3.5-R17).
- **North County Beaches**
Assisted recovery – Dune restoration and re-vegetation with supplemental beach fill (R17-R70). Expedite design and construction of beach restoration at Wabasso Beach in environmentally suited areas.
- **Vero Beach**
Assisted recovery – Dune restoration and re-vegetation with supplemental beach fill (R70-R86). Expedite design and construction of beach restoration in environmentally suited areas.
- **South County Beaches**
Assisted recovery – Dune restoration and re-vegetation with supplemental beach fill (R100-R107). Expedite design and construction of beach restoration in environmentally suited areas.

St. Lucie County

- **North County Beaches**
Natural recovery – Undeveloped lands or development set back from beach (R1-R33).

- **Ft. Pierce Beach**
Early construction of the scheduled maintenance beach nourishment of the federal Ft. Pierce Shore Protection Project (R34-R46).
- **South County Beaches**
Assisted recovery – Dune restoration and re-vegetation with supplemental beach fill (R98-R115); Accelerate completion of feasibility study, design and construction of beach restoration in environmentally suited areas.

Martin County

- **Hutchinson Island**
Construction of the maintenance beach nourishment of the federal Martin County Shore Protection Project (R1-R27).
- **House of Refuge/Bath Tub Reef Park**
Assisted recovery – Dune restoration and re-vegetation with supplemental beach fill (R27-R36).
- **Sailfish Point**
Natural recovery – Development set back from beach and dune (R36-R44).
- **Jupiter Island**
Natural recovery – undeveloped property (R45-R75, R117-R126) or developed property protected by beach nourishment project (R75-R117).
Assisted Recovery – Dune restoration and re-vegetation with supplemental beach fill (R126-R127).

Palm Beach County

- **Coral Cove Park**
Assisted recovery – Dune restoration and re-vegetation (R3-R10).
- **Singer Island**
Assisted recovery – Dune restoration and re-vegetation with supplemental beach fill (R60-R69).
- **Lake Worth Inlet**
Repair of the inlet sand bypassing plant.
- **Mid-Town - Palm Beach Island**
Interim beach nourishment, or if necessary, early construction of the scheduled maintenance nourishment of the Mid-Town Beach Restoration Project (R90-R101).
- **Phipps Ocean Park Beach**
Construction of the Phipps Beach Restoration Project (R116-R126).

- **South Palm Beach Island**
Assisted recovery – Dune restoration and re-vegetation with supplemental beach fill (R133-R137).
- **South Lake Worth Inlet**
Accelerated reconstruction of the inlet sand bypassing plant.
- **Ocean Ridge**
Conduct interim beach nourishment of the Ocean Ridge Beach Restoration Project (R152-R168).
- **Boca Raton**
Early construction of the scheduled maintenance beach nourishment of the north Boca Raton segment (R205-R212) of the federal Palm Beach County Shore Protection Project; Interim beach restoration of the non-federal South Boca Raton Beach Restoration Project.

Broward County

- Accelerate construction of the maintenance nourishment to replenish the federal Broward County Shore Protection Project to maintain project design requirements.
- **Hillsboro Beach**
Accelerate construction of the maintenance nourishment of the Hillsboro Beach Restoration Project (R6-R12).

Dade County

- Reevaluate project needs in accordance with annual or post-storm monitoring data.

Southwest Gulf Coast

- Reevaluate project needs in accordance with annual or post-storm monitoring data.