



Figure 12: Flagler County Location Map

## Flagler County

The Atlantic Ocean fronting beaches of Flagler County extend for 18.1 miles between St. Johns County and Volusia County that include the following communities and major parks: Marineland, Washington Oaks State Park, Painters Hill, Beverly Beach, Flagler Beach, and Gamble Rogers State Park (Figure 12). There are no inlets in Flagler County.

### Beach and Dune Erosion

Prior to landfall of the two storms there were four designated critically eroded areas in Flagler County including Marineland (R1-R4, 0.6 mile), Painter's Hill (R52.3-R53.4, 0.1 mile), north Flagler Beach (65.2-R67, 0.3 mile), and southern Flagler Beach (R77-R91, 2.5 miles). Flagler County's beaches extended approximately 170 to 190 miles from the center of both hurricanes' eyes at landfall. No significant beach erosion was observed along Flagler County's beaches following Hurricane Frances. In fact, some accretion of the beaches was observed along the northern and central portion of the county.

Hurricane Jeanne did cause significant erosion throughout the county, specifically to the northern part of the county (R1-R36) including Marineland, a northern segment of Flagler Beach (R71-R78), and the southern part of the county (R94-R100) sustained moderate beach and dune erosion (Condition III). The south end of Flagler Beach, south of the rock revetment (R90-R94) sustained major beach and dune erosion (Condition IV). Other segments of the county (R36-R71 and R78-R90) had Condition I to II erosion.

### Storm Damage

During Hurricane Frances, Flagler County experienced widespread minor to moderate wind damage which added to that damage sustained three weeks earlier during Hurricane Charley's exit from the Florida northeast coast. Only two major structures in Flagler County sustained major damage from Frances. Near the south county line, a fourth floor condominium roof blew off the Ocean Beach Club at R98. At Flagler Beach near R79, the Flagler Beach fishing pier sustained structural collapse to the outer 30 feet of pier from the battering of Frances' storm waves. Hurricane Jeanne inflicted some additional damage along the coast. At Marineland, some minor damage was observed to the rock revetment, and at the south end of Flagler Beach (400 feet north of R95) two commercial buildings (Snack Jacks Restaurant and an adjacent office) sustained understructure damage, including minor damage to a few foundation piles with bracing. Beach access walkways throughout the county were damaged, including 40 of the 52 dune walkovers in Flagler Beach.