

REPORT ON THE CREATION
OF THE
CAROVA BEACH WATERSHED IMPROVEMENT
SERVICE DISTRICT

APRIL 1, 2019

Pursuant to North Carolina General Statute 153A-301 the board of commissioners may form a service district for drainage projects and watershed improvements. In order to provide financing of design, construction, and maintenance of storm water management facilities, it is proposed that a service district be formed in the Carova Beach area.

Identified Need for Service District

Platted in the late 1960's, Carova Beach is an unincorporated community within the beach area of Fruitville Township in Currituck County.

Much of the area has flooding for extended periods of time. Flooding cause's damage to private property, has adverse health impacts, and results in reduced property.

Poorly drained roads have deep and impassible water holes. This causes access and safety concerns for fire trucks and EMS vehicles. This also causes issues with residents that live in the areas as well as the many tourists that visit the area. Vehicles become stranded. Many areas the vehicles drive around the large water holes damaging private property.

There are approximately 5.5 miles of existing ditches in the Carova Beach area. These ditches were constructed in the 1960's and 1970's with little to no maintenance since.

A drainage district is needed in the area improve the existing ditches and provide drainage for improved road accessibility and public safety.

Resident Population and Population Density

The resident population of the proposed service district area according to the 2010 United States Census is approximately 83 persons. Seasonal population within the proposed service district is estimated to be approximately 3,154 persons per week during the summer season. The service district is approximately 1,263 acres.

Appraisal Value of Property Subject to Taxation in the Proposed Service District

The assessed valuation of property subject to taxation in the proposed service district is approximately \$286,500,000. The current county wide tax rate, which includes the proposed service district area, is 48 cents per \$100.00 valuation. \$0.01 would generate \$27,686 in revenue.

Plan for Providing Services Within the Proposed Service District

Clearing of the existing ditches and removal of sediment will improve drainage in the area. Issues with ditch improvements include funding, regulatory requirements, accessibility and providing outlets.

Discussions have been held with regulatory agencies such as the US Army Corps of Engineers regarding direct wetland impacts as well as draining to offsite wetlands. Permitting of up to 0.1 acres has been received for filling in potholes in the roads that have classified as wetlands. In order to provide ditch reconstruction and maintenance, as well as filling wetland pockets in the roadways, additional studies, surveying and permitting will be conducted.

Road conditions and durability can be improved by providing road side swales. The function of the road side swales will be improved by providing a connected outlet to the ditches in the area. Most of the east-west roads have culverts at the ditch crossings. These culverts are collapsed or filled in with sand, requiring replacement and proper maintenance.

Map of the Proposed Service District