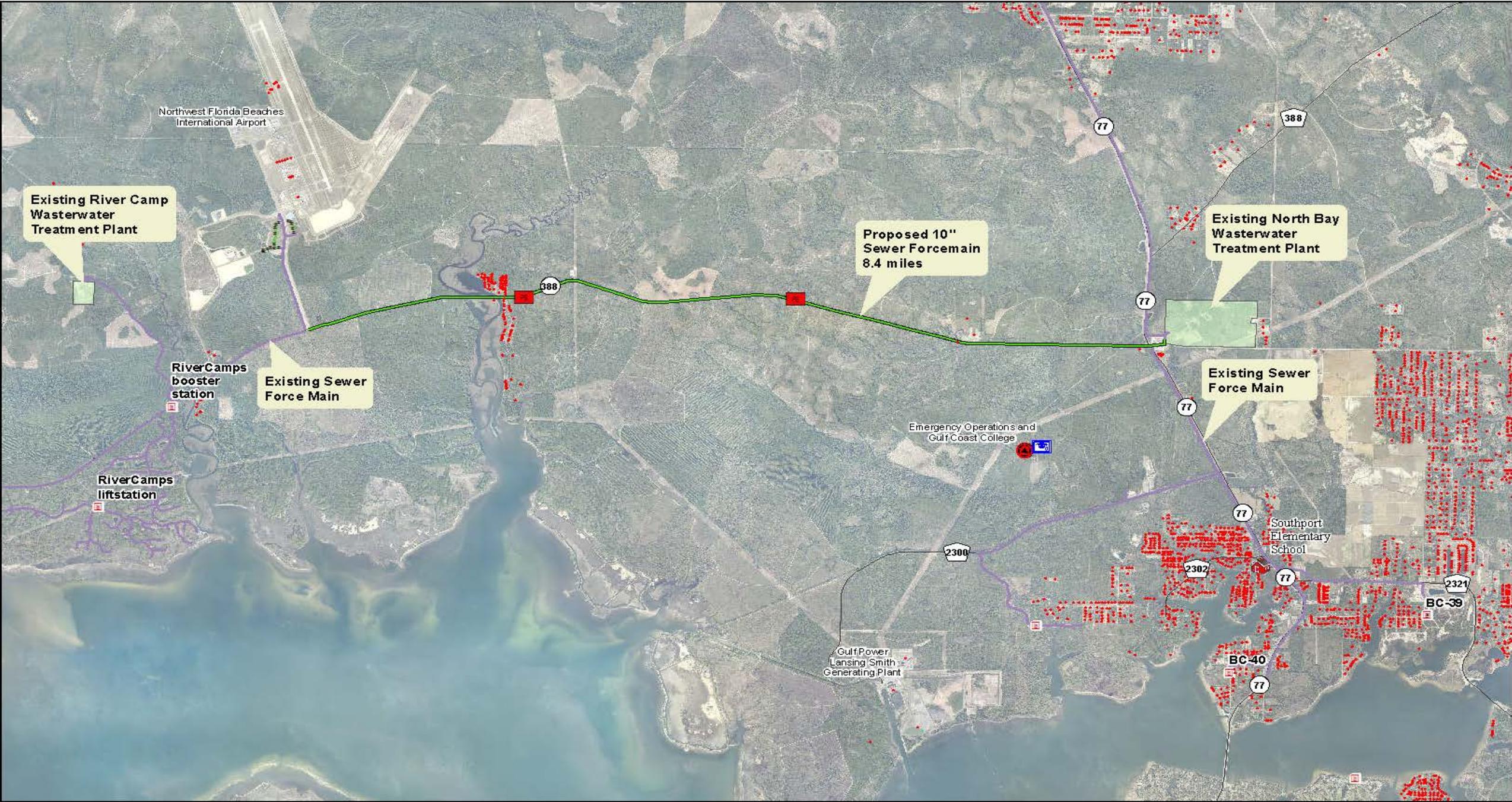
The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue, set against a white background. The shapes are primarily triangles and polygons, creating a modern, dynamic feel.

Highway 388 Sewer Force Main Project

Project Purpose:

To decommission the River Camps package WWTP (0.075 MGD) and divert flow to the North Bay WWTP (1.5 MGD) through the installation of a force main along the Hwy 388 corridor. The North Bay WWTP is an extended Aeration process suitable for reducing both nitrogen and phosphates.

COUNTY ROAD 388 - PROPOSED SEWER FORCE MAIN



Environmental Benefits:

- ▶ Providing centralized sewer collection will eliminate the need for individual On Site Disposal Systems (OSDS).
- ▶ Reducing nutrient loading, reduce sedimentation, reduce impacts to groundwater and springs affecting nutrient loading to St. Andrew Bay.
- ▶ Improving the water quality in Saint Andrews Bay by reducing the potential of toxic algae blooms.
- ▶ Reduced nutrient loading will be achieved through improved treatment and capacity at the North Bay WWTP providing the ability to deliver reuse quality water in the Southport area.

Economic Benefits:

The availability of centralized sewer along this corridor will allow for positive economic residential and industrial growth. Additionally, removing the River Camp WWTF will eliminate the need for BCUS to operate and maintain an additional wastewater facility. Thereby reducing operation expenses that affect usage rates.

Interpreting Return on Investment and Spending

The relationship between infrastructure investment and economic output is captured by an *elasticity coefficient*. This represents what a one-percent change in infrastructure investment would have on economic output. For example, according to one estimate, a one percent increase in investment in water and sewer in Florida would increase output in Florida by approximately 0.2 percent. While that may seem small, it is in fact a very large impact. With annual gross state product (GSP) of \$735 billion, the 0.2 percent increase in output is worth \$1.4 billion.

Florida Economic Output (GSP)	Investment Elasticity	Impact of 1% Increase in the Stock of Water and Sewer Infrastructure
\$734.5 Billion	0.1959	\$1.4 Billion

One person's spending is another person's income. Therefore, when municipalities spend more on water and sewer infrastructure operations and maintenance these dollars contribute to works wages and revenue for other businesses, which in turn spend the money in the economy.

This chain of spending results in a *multiplied* effect on the economy. These effects are captured by *multipliers* representing the impact of a one dollar investment on the economy. For example, for each additional dollar of water and sewer output in New Mexico there is \$1.74 total increase in output that occurs in the economy as a whole.