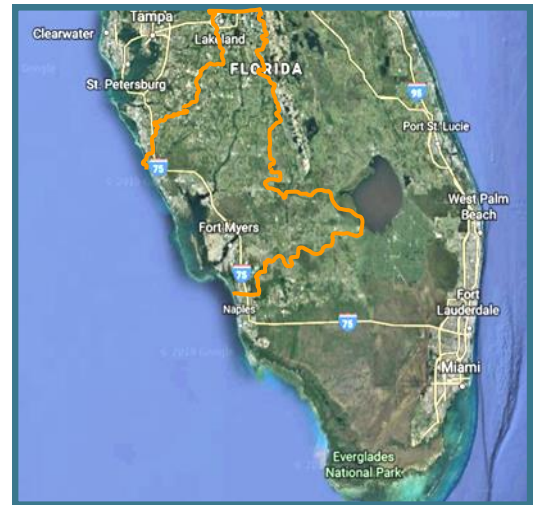


# Economic Valuation Overview and Results

## PUBLIC ENGAGEMENT

### Summary

The CHNEP area encompasses a few of the fastest growing population centers and economies in the entire country. Natural resources within the CHNEP program area play a key role in the popularity and growth of the region. Many individuals are drawn to the area because of its beautiful scenery, warm weather, and recreational activities. As population pressure grows, it is important to improve our understanding of the connection of natural resources to the economy to better meet the needs of the public. Improvements to natural capital and maintenance of existing high quality natural capital provide enormous economic benefits that are fundamental to the regional marketplace. To better quantify this relationship, CHNEP commissioned an economic valuation and fiscal impact analysis to demonstrate the tangible economic activity. The results of this study provide a better understanding of the economic activity tied to restoration, conservation and management activities in the CHNEP area. Results are broken down by basins and counties.



Location: CHNEP Area

### Method

1. Economic Impact Analysis—To estimate the overall economic impacts associated with natural resources in the CHNEP area, the Balmoral Group used national IMPLAN® model to convert spending into economic impacts (jobs, revenues and personal income) between and within counties by industry sector.
2. Hedonic Modeling— Effects of amenity value on private property values. Properties within the CHNEP area increase in value due to their proximity to water bodies and conservation lands.
3. Fiscal Impact Analysis—To examine the fiscal impacts of the CHNEP’s resource-based activities, tax data is reviewed to estimate net fiscal impact based on total revenues less cost of service using the most recently available budgets of 38 local governments (10 counties and 28 cities).

### 2019 CHNEP Plan Activity: 4.1

Public Engagement 4.1: Provide regular updates to policy makers showcasing use of best available science and examples of success to reinforce the relationship between land use, water resource management decisions, environment, economy, and community.

### Results

About **\$13 billion** in economic benefits accrue throughout the CHNEP area annually.

No area receives negative impacts due to natural resource investments based on analysis. Investments have and will continue to pay off in economic terms.

Multiple streams of economic benefit generate values including: tourism, agriculture, and restoration itself.

### Economic Impacts

Item:	Value
Recreational expenditures	\$11 billion/year
Restoration, Research, Education Expenditures*	\$10 million/year
Agricultural Production	\$2.5 billion/year
Commercial Fishing values	\$25.9 million/
<b>Total Annual Value</b>	<b>\$13.6 billion/</b>
Real estate values, annualized	\$381 million/year
<b>Estimated Economic Impacts including Property Amenity Values</b>	<b>\$14 billion/year</b>

# COASTAL & HEARTLAND NATIONAL ESTUARY PARTNERSHIP

## Property Impacts

Basin	Total Property Value Premiums	Proximity to Major Waterways	Proximity to Conservation Land
Caloosahatchee River	\$2,054,747,000	\$2,053,307,000	\$1,440,000
Charlotte Harbor	\$776,003,000	\$776,003,000	\$0
Dona & Roberts Bays	\$266,957,000	\$266,957,000	\$0
Estero Bay	\$964,096,000	\$963,044,000	\$1,052,000
Lemon Bay	\$268,812,000	\$268,812,000	\$0
Myakka River	\$156,512,000	\$156,485,000	\$28,000
Peace River	\$402,334,000	\$401,919,000	\$415,000
Pine Island & Matlacha Pass	\$1,461,157,000	\$1,461,008,000	\$149,000
<b>Total</b>	<b>\$6,350,619,000</b>	<b>\$6,347,536,000</b>	<b>\$3,084,000</b>

## Fiscal Impacts

Estimated State & Local Tax Revenues from natural resources in the CHNEP area	\$ 146 million
Estimated Federal Tax Revenues from natural resources in the CHNEP area	\$ 185 million
Less: Fiscal Outlay for CIP projects*	(\$ 92 million)
<b>Net Fiscal Impact</b>	<b>\$ 239 million</b>

## Conclusion

Fiscal outlays by local government and partners have been generous, estimated at **\$92 million** across the CHNEP area annually, and these investments have paid off: returns from natural resource-related spending have outweighed costs by **3.4:1**. Investments have included a wide range of activities, including (but not limited to):

- land acquisition for conservation purposes, primarily to protect or improve water quality
- restoration activities to restore hydrologic function and improve estuarine waters
- infrastructure capital investments to benefit downstream ecosystems
- water storage systems to capture excess flows and manage discharges

Continued investment is necessary to support a healthy quality of life and the economic activity that depends on these resources. The good news is, the benefits of these investments are now clear and quantifiable. The fiscal, economic, and property value impacts of these investments are delineated by County and Hydrologic Basin.

## CONTACT INFORMATION

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