Indian River Lagoon Economic Impact Update

December 2025





OVER 940,000

acres of natural lands and agricultural lands retain more than

100 BILLION gallons of floodwaters annually

52,500 ACRES



of natural lands provide additional coastal protection

368,000 ACRES

of land provides water filtration and purification

The Walter on Walter of Wa

These lands and waters generate habitat, aesthetic and recreational values



Ecosystem services values provided by the IRL system are estimated at over \$10 billion annually

\$6.8 B

\$1.4 B

\$530 M



\$487 M



\$250 M



\$3.7 M

Recreational Fishing, Boating and Shoreline Activity Aesthetic
Values Property
Value
Premiums

Habitat Quality Water Quality

\$1 B

Urban Flood Risk Mitigation Coastal Protection

Commercial Fishing

IRLNEP Economic Update 2025

Ecosystem Services Valuation



Coastal Protection
Water Filtration/Water Quality
Habitat Quality
Aesthetic or Scenic Value
Recreational Value and Tourism

Ecosystem service: Coastal protection

The InVEST™ model calculates the difference in exposure to coastal hazards with and without natural protective processes intact.

TBG used CLC land cover data from FWC as inputs to estimate coastal protection provided by IRL habitat.

	Estimated Acres – Existing Condition	Coastal Protection Ecosystem Services	Projected Improvements from Projects
		in \$ Millions	in \$ Millions
Salt Marsh	17,959	\$ 77.1	
Mangrove	19,302	82.9	
Maritime	12,553	\$59.1	
Hammocks			
Other	2,703	\$29.8	
Total	52,518	\$250	\$8.4

Example habitats providing coastal protection services

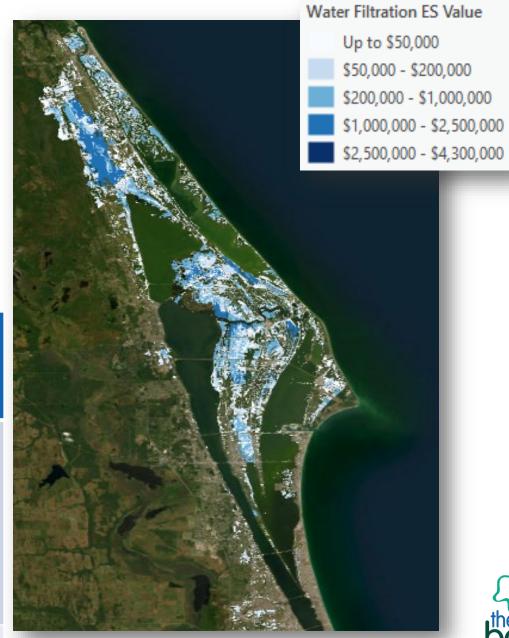




Ecosystem service: Water Filtration

FEMA Ecosystem Services values for detailed CLC habitat types were used to estimate water quality improvement values in the BCAs, and for overall ecosystem services valuation.

Habitat Type	Estimated Acres – Existing Condition	Water Filtration Ecosystem Services	Projected Improvements from Projects
Coastal Wetland	57,754	\$106,042,000	
Forest	149,410	\$76,595,000	
Inland Wetland	159,402	\$297,561,000	
Riparian	6,703	\$49,287,000	
Shellfish Reefs	532	\$376,000	
Total	368,565	\$529,860,000	\$38,009,000



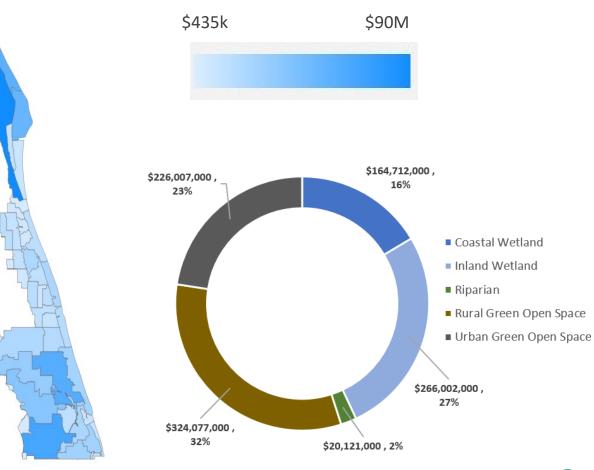


Ecosystem service: Wildlife Habitat

Estimated ecosystem services using FWC CLC data

FEMA Habitat Type	Habitat ES \$/ac	IRL Acres	Total Habitat
Coastal Wetland	\$2,420	57,754	\$164,712,000
Inland Wetland	\$1,416	159,402	\$266,002,000
Riparian	\$2,547	6,703	\$20,121,000
Rural Green Open Space	\$2,021	136,067	\$324,077,000
Urban Green Open Space	\$5,890	32,559	\$226,007,000
Total Habitat ES Value			\$1,000,917,000

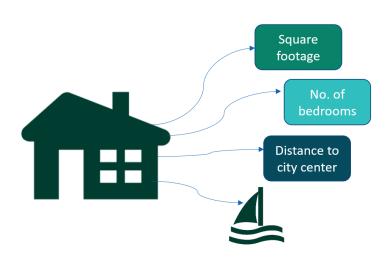
Habitat Quality Ecosystem Services by Basin and type

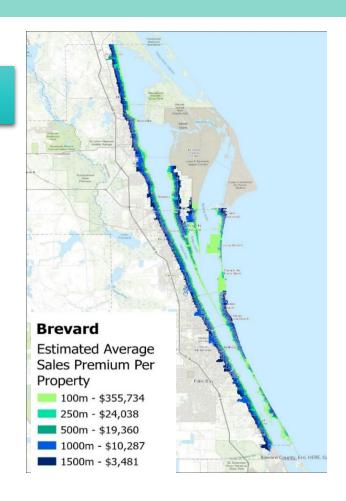


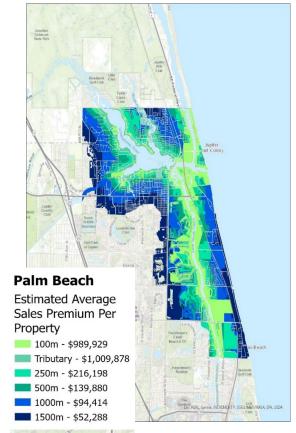


Ecosystem Service: Aesthetic Value

Estimated with hedonic models









Property Values

County	Waterfront	Canal/ River Access	Up to 1,500m	Total	Annualized
Volusia	\$443 M	\$0	\$787 M	\$1,230 M	\$73.8 M
Brevard	\$3,582 M	\$1,568 M	\$1,007 M	\$6,157 M	\$369.4 M
Indian River	\$1,625 M	\$278 M	\$1,204 M	\$3,107 M	\$186.5 M
St. Lucie	\$577 M	\$-	\$964 M	\$1,541 M	\$92.5 M
Martin	\$3,069 M	\$606 M	\$2,163 M	\$5,838 M	\$350.3 M
Palm Beach	\$1,015 M	\$1,723 M	\$2,343 M	\$5,081 M	\$304.9 M
Total	\$10,312 M	\$4,177 M	\$8,466 M	\$22,955 M	\$1,377.4 M

Benefit-Cost Analysis



NOAA projects Case studies across Habitat Restoration types

Benefit-Cost Analysis Case Studies

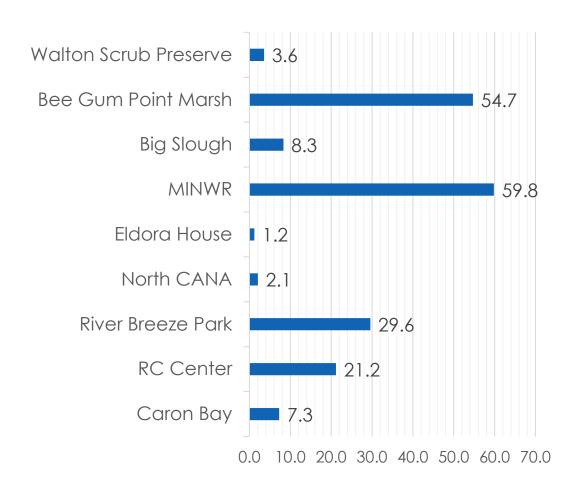
- Selected case studies
- Identified costs & benefits
- Tracking units

CBA Metrics

Primary Habitat Type	Case Study	Total Costs (10-years)	Total Benefits(10- years)
Salt Marsh	Caron Bay	\$383,817	\$2,793,532
Fish Reef	RC Center	\$24,499	\$518,379
Clam River Breeze Park		\$408,316	\$12,074,375
Oyster Reef North CANA		\$417,406	\$859,326
Living Shoreline	Eldora House	\$426,231	\$504,273
Wetland	MINWR/KSC	\$922,500	\$55,196,114
Seagrass	Big Slough	\$602,670	\$5,012,707
Fish Passage	Bee Gum Point Marsh	\$562,367	\$30,764,204
Mangrove	Walton Scrub Preserve	\$924,961	\$3,306,142
	Salt Marsh Fish Reef Clam Oyster Reef Living Shoreline Wetland Seagrass Fish Passage	Salt Marsh Fish Reef Clam Clam River Breeze Park Oyster Reef North CANA Living Shoreline Wetland Seagrass Fish Passage RC Center River Breeze Park North CANA Eldora House MINWR/KSC Big Slough Bee Gum Point Marsh	Salt Marsh Caron Bay \$383,817 Fish Reef RC Center \$24,499 Clam River Breeze Park \$408,316 Oyster Reef North CANA \$417,406 Living Shoreline Eldora House \$426,231 Wetland MINWR/KSC \$922,500 Seagrass Big Slough \$602,670 Fish Passage Bee Gum Point Marsh \$562,367



Benefit-Cost Analysis



24X
RETURN ON INVESTMENT



Overall, a 24x return on investment



Economic Impact



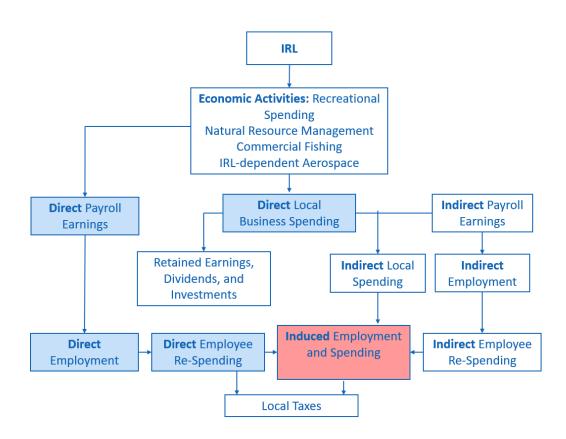
Industry sectors

Dashboard tool



Input-Output Model

- Measures effects of spending as dollars flow through regional economy
- Spending data is margined for dollars that leave local economy
 - i.e., petroleum is primarily produced outside Florida
- Regional multipliers are used to estimate impacts
 - including tax revenues
- Value-added measures reflects an industry's capacity to translate a change into income and final demand
- Induced effects from visitors only





Economic Impact of the IRL - Total

	Employment	Labor Income	Value Added	Output
Direct	71,689	\$5.2B	\$8.5B	\$17.1B
Indirect	33,462	\$2.0B	\$3.0B	\$5.8B
Induced	23,249	\$1.2B	\$2.5B	\$4.0B
Property Value Impacts Annualiz		nnualized	\$1.4B	
Total	128,400	\$8.3B	\$15.4B	\$26.9B

IRL Summary Results

\$28.3 BILLION in spending generates



\$14 BILLION in value added to local GDP



\$8.3 BILLION in wages



128,400 jobs

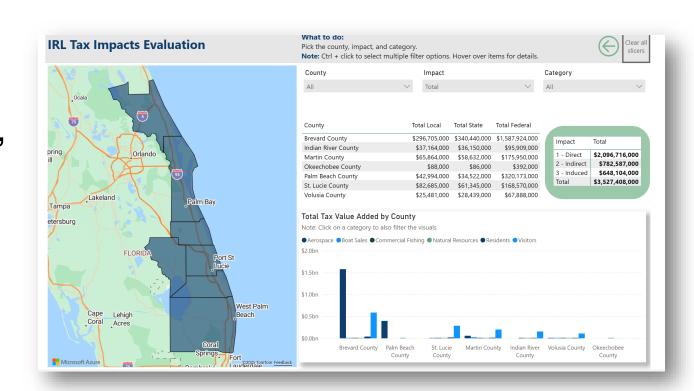
	Employment	Labor Income	Value Added	Output	Taxes
Recreation	75,206	\$3.2B	\$5.6B	\$10.5B	\$1.4B
Natural Resource Management	1,041	\$77M	\$112M	\$222M	\$25
Commercial Fishing	30	\$0.1M	\$3M	\$3M	\$0.4M
Boat Dealers	1,445	\$111M	\$166	\$431M	\$36M
Aerospace	50,679	\$5.0B	\$8.1B	\$15.7B	\$2B
Property Values				\$1.4B	
Total	128,400	\$8.3B	\$14.0B	\$28.3B	\$3.5B

Summary Results – Martin County

	Employment	Labor Income	Value Added	Output	State & Local Taxes	Federal Taxes			
			(in Millions of \$)						
Recreation	11,815	\$536.7	\$937.0	\$1,755.1	\$99.6	\$114.4			
Commercial Fishing	5	\$0.0	\$0.2	\$0.2	\$0.0	\$0.0			
Boat Sales	980	\$78.7	\$116.9	\$295.7	\$8.0	\$16.4			
Nat Res Mgmt	191	\$13.8	\$20.0	\$40.1	\$1.2	\$2.9			
Aerospace	2,357	\$198.2	\$318.7	\$676.2	\$15.6	\$42.2			
Total	15,348	\$827.4	\$1,392.7	\$2,767.3	\$124.5	\$175.9			
Property Values			\$305						
Total with Property Values		\$3,072							

Dashboard Tool

- Allows IRLNEP to access
 SEP data by user needs: city,
 county, priority community
 etc. across time
 - 2012-2022 for most data
 - 2019 2022 for some data



https://datavisual.balmoralgroup.us/IRLNEPeconomicupdate2025







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