

ECONOMIC IMPACTS OF SEA GRANT PROGRAMS TRAINING MODULE III

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OBJECTIVES OF TRAINING MODULE III

- ⌘ Economic impacts estimation scenarios of Sea Grant projects.
- ⌘ Examples of economic impacts estimates of Sea Grant projects.

ECONOMIC IMPACTS ESTIMATION SCENARIOS

∅ Change (+/-) in Annual Gross Sales or Funding

- ∅ Marginal economic impacts of \$70,000 TAAF funding for the implementation of the program in Mississippi and Alabama
- ∅ Annual gross sales of businesses increase in 2012 due to technology developed by MASGC - \$1 million

ECONOMIC IMPACTS ESTIMATION SCENARIOS

∅ Change (+/-) in Annual Household Savings and Labor Income

- ∅ Annual labor income of fishermen increase in 2012 due to technology developed by MASGC - \$1 million
- ∅ Coastal households saving \$1.0 million during simulated massive disaster evacuations in the year 2012.

TAAF FUNDING

Table 1. Initial marginal economic impacts (L1) of seventy-thousand-dollars MASGC funding on commercial fishing projects in Mississippi and Alabama in the year 2012

| Impact Type | Employment | Labor Income | Value Added | Output |
|-----------------|------------|--------------|-------------|-----------|
| Direct Effect | 1.6 | \$28,866 | \$34,964 | \$70,000 |
| Indirect Effect | 0.1 | \$3,176 | \$4,896 | \$11,694 |
| Induced Effect | 0.2 | \$6,740 | \$12,880 | \$21,024 |
| Total Effect | 1.9 | \$38,781 | \$52,739 | \$102,718 |

GROSS SALES

Table 4. Economic impacts of a million dollar increase in annual construction projects in the coastal restoration industry in Mississippi and Alabama in the year 2014

| Impact Type | Employment | Labor Income | Value Added | Output |
|-----------------|------------|--------------|-------------|-------------|
| Direct Effect | 6.3 | \$341,423 | \$392,717 | \$1,000,000 |
| Indirect Effect | 2.7 | \$143,000 | \$214,082 | \$398,558 |
| Induced Effect | 2.7 | \$103,148 | \$197,192 | \$322,810 |
| Total Effect | 11.8 | \$587,571 | \$803,990 | \$1,721,368 |

LABOR INCOME

Table 2. Marginal economic impacts (L2) of a million-dollar-increase in labor income of owners of Mississippi and Alabama commercial fishing vessels due to TAAF in the year 2012

| Impact Type | Employment | Labor Income | Value Added | Output |
|-----------------|------------|--------------|-------------|-----------|
| Direct Effect | 0.0 | \$0 | \$0 | \$0 |
| Indirect Effect | 0.0 | \$0 | \$0 | \$0 |
| Induced Effect | 5.6 | \$201,059 | \$384,178 | \$627,106 |
| Total Effect | 5.6 | \$201,059 | \$384,178 | \$627,106 |

HOUSEHOLD SAVINGS

Table 8. Economic impacts of a million dollar increase in savings among Mississippi and Alabama households which adopted new disaster evacuation practices in the year 2012

| Impact Type | Employment | Labor Income | Value Added | Output |
|-----------------|------------|--------------|-------------|-----------|
| Direct Effect | 0.0 | \$0 | \$0 | \$0 |
| Indirect Effect | 0.0 | \$0 | \$0 | \$0 |
| Induced Effect | 8.1 | \$290,397 | \$574,196 | \$933,721 |
| Total Effect | 8.1 | \$290,397 | \$574,196 | \$933,721 |

Questions?

I truly appreciate your participation in this presentation!

[http://www.coastal.msstate.edu/
msalsgpapproach.html](http://www.coastal.msstate.edu/msalsgpapproach.html)

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Link to Training Module IV

[Economic Impacts of Sea Grant
Programs Module 4.pptx](#)