

### **Objectives**

- Develop a hypothetical commercial offshore aquaculture production system (COAPS) in the Gulf of Mexico (GOM).
- Estimate the potential economic impact of initial establishment and operation of COAPS in the GOM.
- Determine the economic sectors with the strongest linkages to COAPS.

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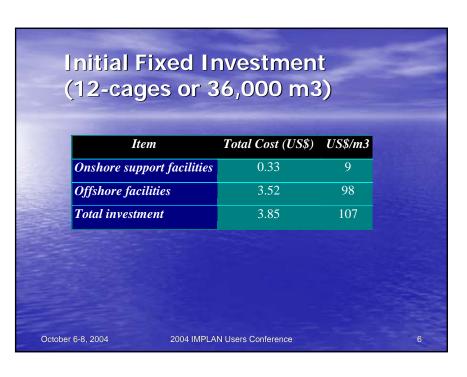
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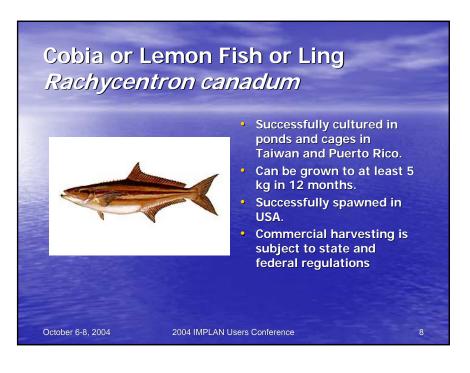


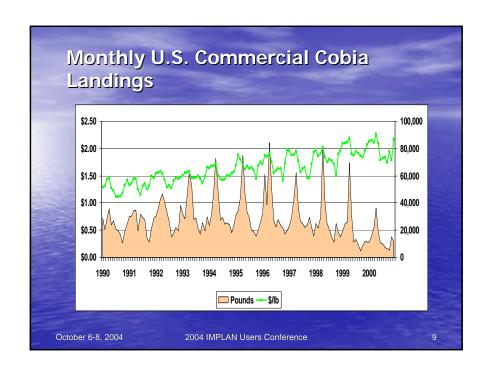


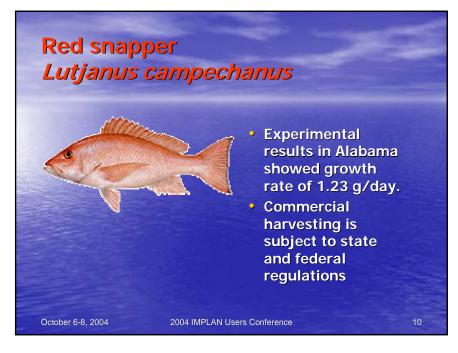


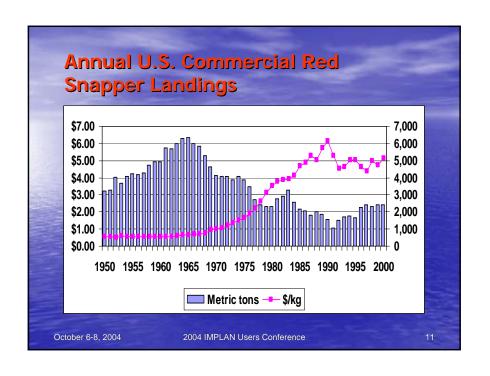


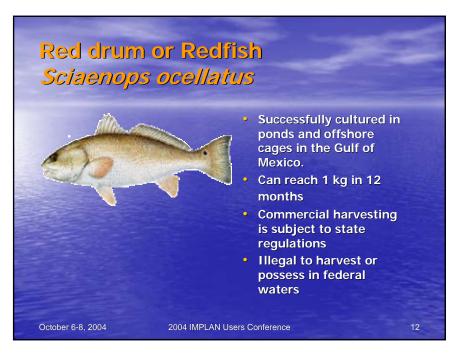


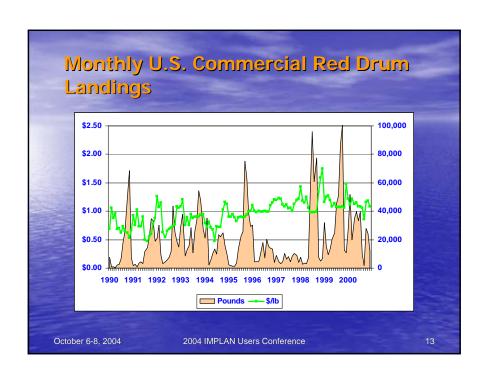














## **IMPLAN Sectors Used in Modeling**

- IMPLAN Professional 2.0 Software
- 2000 GOM states IMPLAN data files
  - FL, AL, MS, LA, TX
- COAPS
  - Miscellaneous Livestock Sector (9)
  - SIC Codes 0271 & 0272
- Commercial Seafood Processing
  - Prepared Fresh or Frozen Fish or Seafood Sector (98)
  - SIC Code 2092
- Commercial Harvesting
  - Sector 25
  - SIC Code 0910

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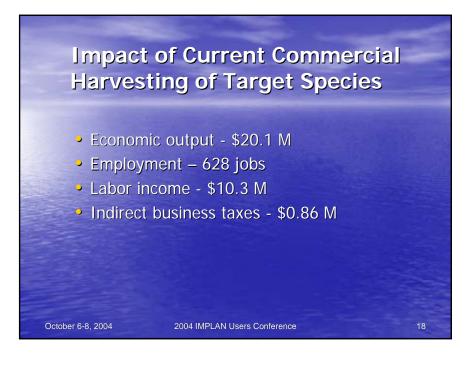
## Impact of Initial Investment in a Single COAPS

- Economic output \$6.84 M
- Employment 197 jobs
- Labor income \$2.17 M
- Indirect business taxes \$0.21M
- Federal income taxes \$0.23 M

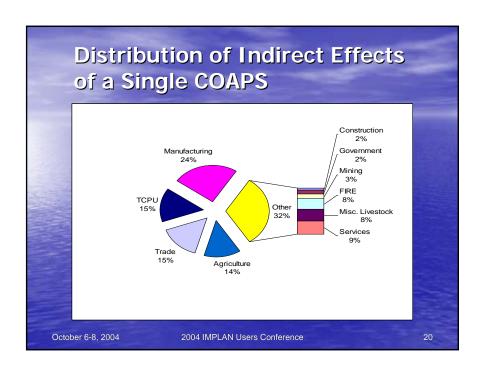
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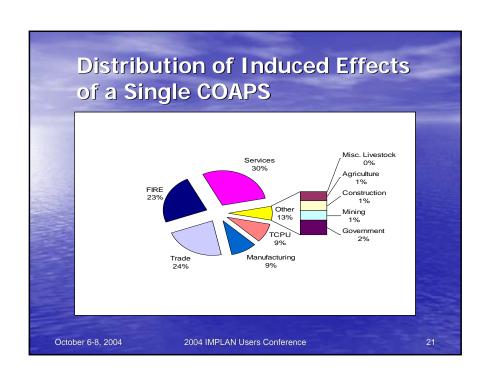
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## Impact of Operating a Single COAPS • Economic output - \$9.1 to 10.2 M • Employment - 262-289 jobs • Labor income - \$2.9 to 3.2 M • Indirect business taxes \$0.28 to 0.31 M • Federal income taxes - \$0.34 M



# Impact of Current Commercial Processing of Foodfish Species • Economic output - \$80.8 M • Employment – 769 jobs • Labor income - \$17.6 M • Indirect business taxes - \$1.3 M





### **Implications and Limitations**

- Economic impact of COAPS can be estimated by using existing IMPLAN sectors.
- A single 12-cage COAPS can create annual economic output ranging from \$9.1 to 10.2 M.
- Current commercial harvesting of the three candidate species created annual economic output of \$20.1 M.
- Primary processing of foodfish species created annual economic output of \$80.8 M.

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- NOAA
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- Mississippi-Alabama Sea Grant Consortium (MASGC) - <a href="http://www.masgc.org/">http://www.masgc.org/</a>
- Gulf of Mexico Offshore Aquaculture Consortium (OAC) - <a href="http://www.masqc.org/oac/">http://www.masqc.org/oac/</a>

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