

Economic Impact of the Catfish Industry in Chicot County, Arkansas

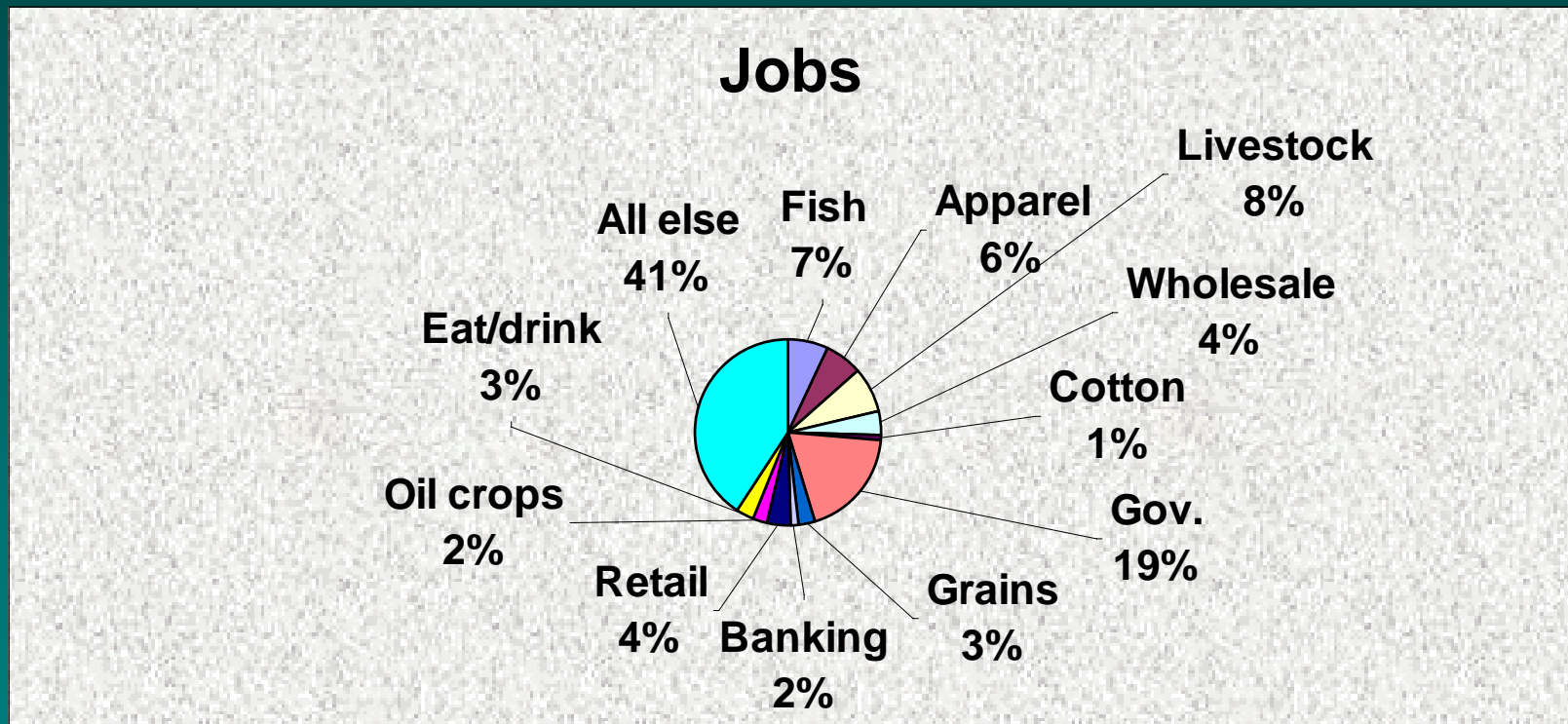


Carole R. Engle & Aloyce Kaliba
UAPB Aquaculture/Fisheries Center

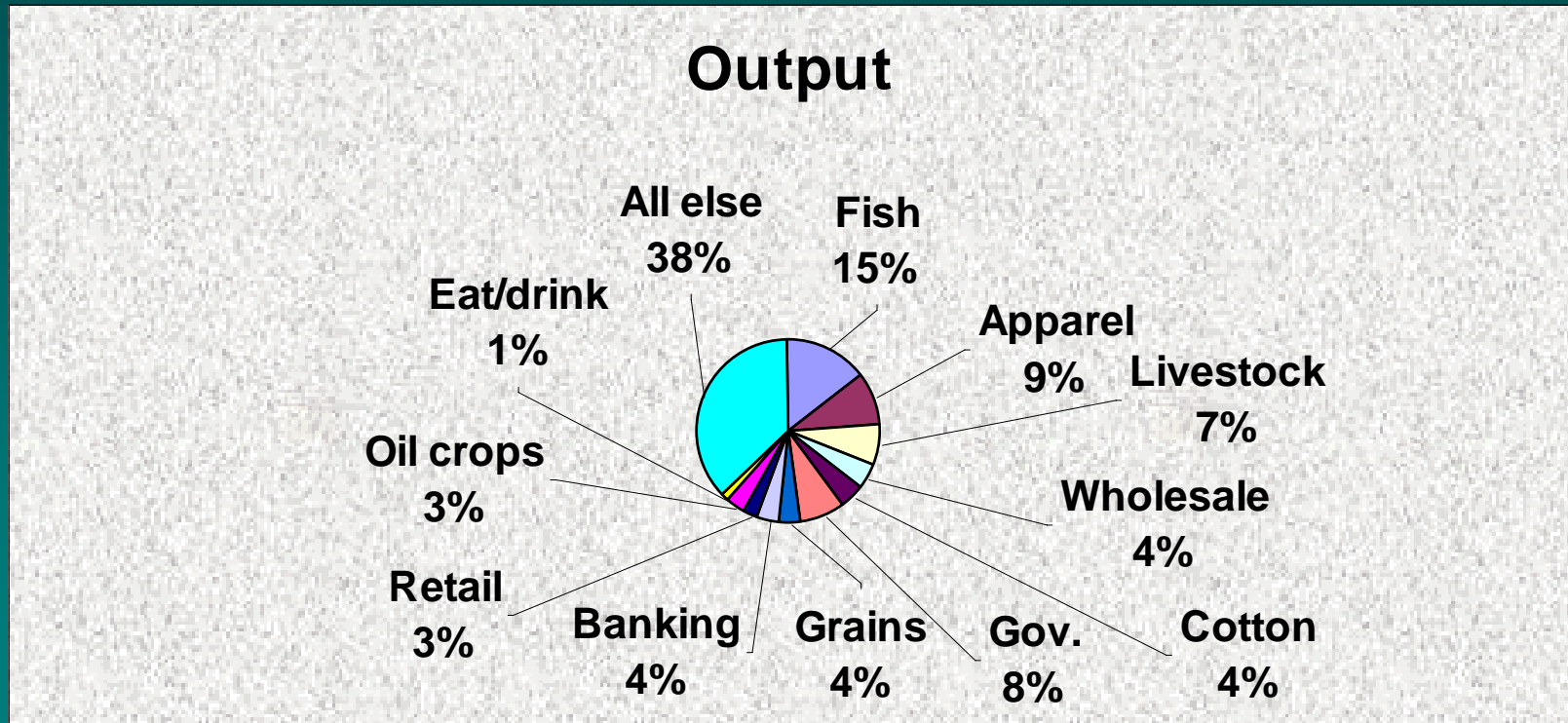
Why did we do this study?

- EPA must evaluate effects of its proposed rule on local communities.
- Very useful for industry and political leadership to have estimates of impacts.
- Impact studies estimate:
 - Total revenue generated
 - Total employment generated
 - Tax revenue generated

The Catfish Industry, % of Total Chicot County Economy



The Catfish Industry, % of Total Chicot County Economy



Methods

- **Surveyed farms and businesses related to catfish industry**
- **Of ~85 farmers, 44 usable questionnaires (response rate = 52%)**
- **59 businesses depended directly or indirectly on catfish industry.**
- **Questions asked employment, sales, expenditures.**

Methods

- IMPLAN model used.
- 2001 benchmark dataset updated with survey data collected in 2002.
- **Direct effects: economic value produced by primary firms**
- **Indirect effects: economic values created by secondary industries**
- **Induced effects: household spending of additional income received.**

Economic Impacts



Primary industry

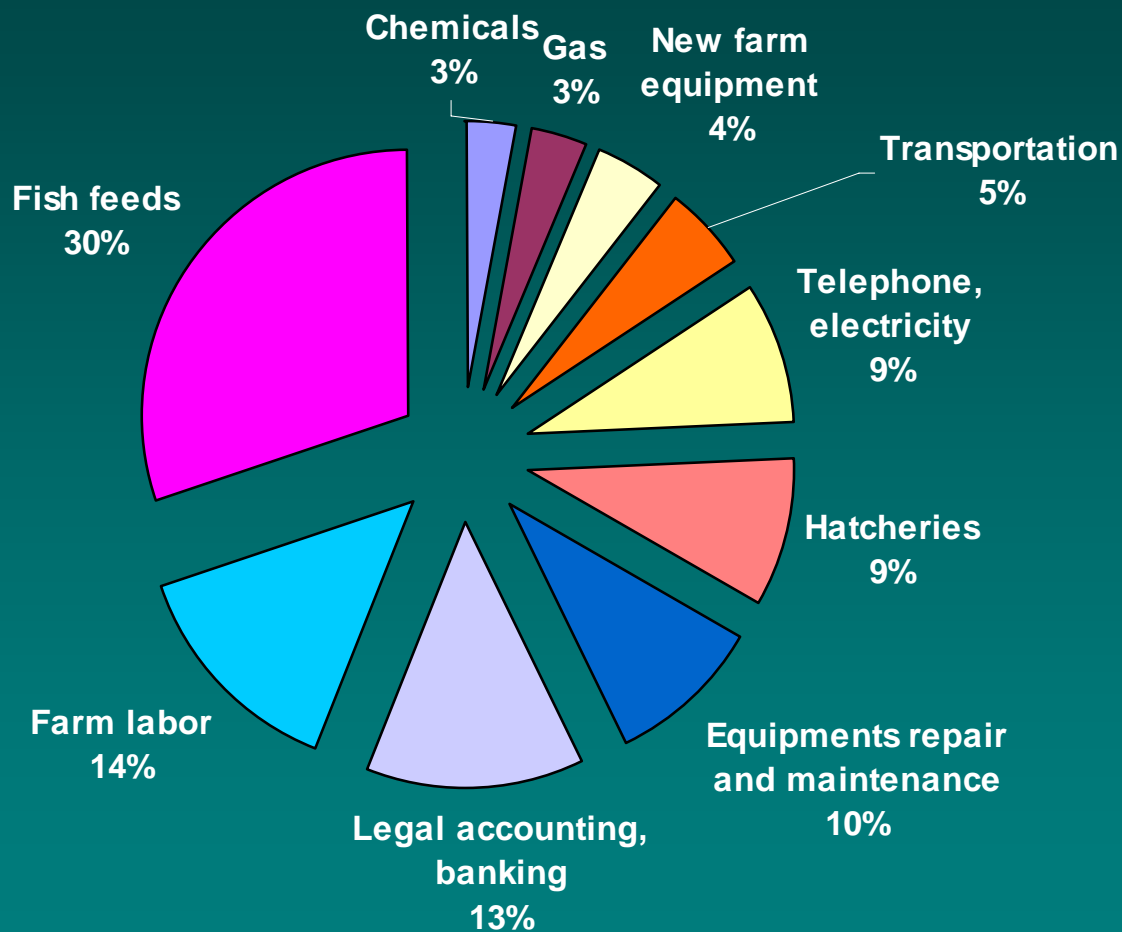
Support industries

Induced effects

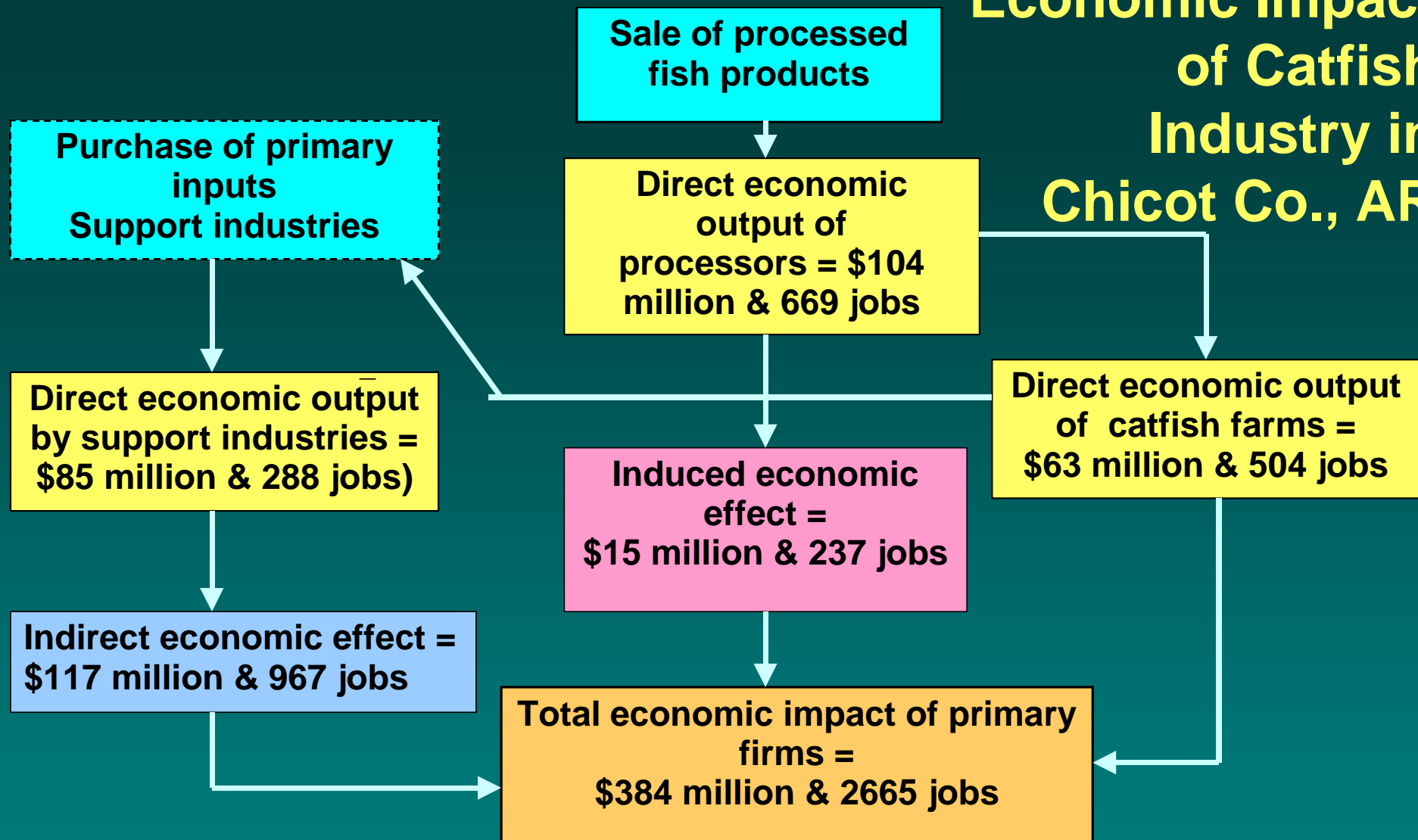
Estimated

- **Economic impact (direct, indirect, induced, & total)**
- **Employment**
- **Tax revenue (federal, state, & local)**

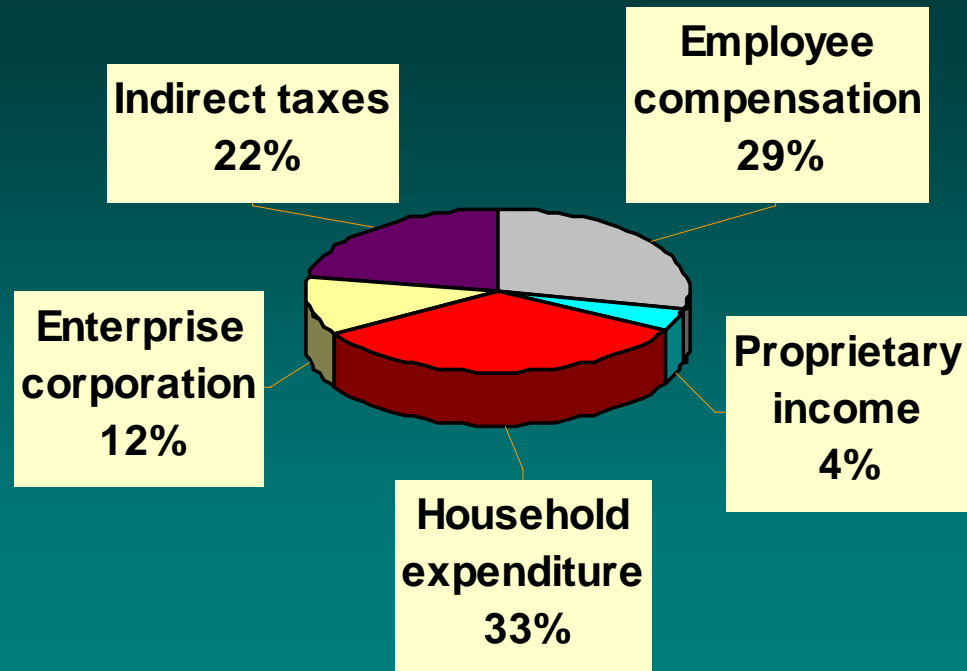
Expenditures from Catfish, Catfish Farm Survey, Chicot Co., AR



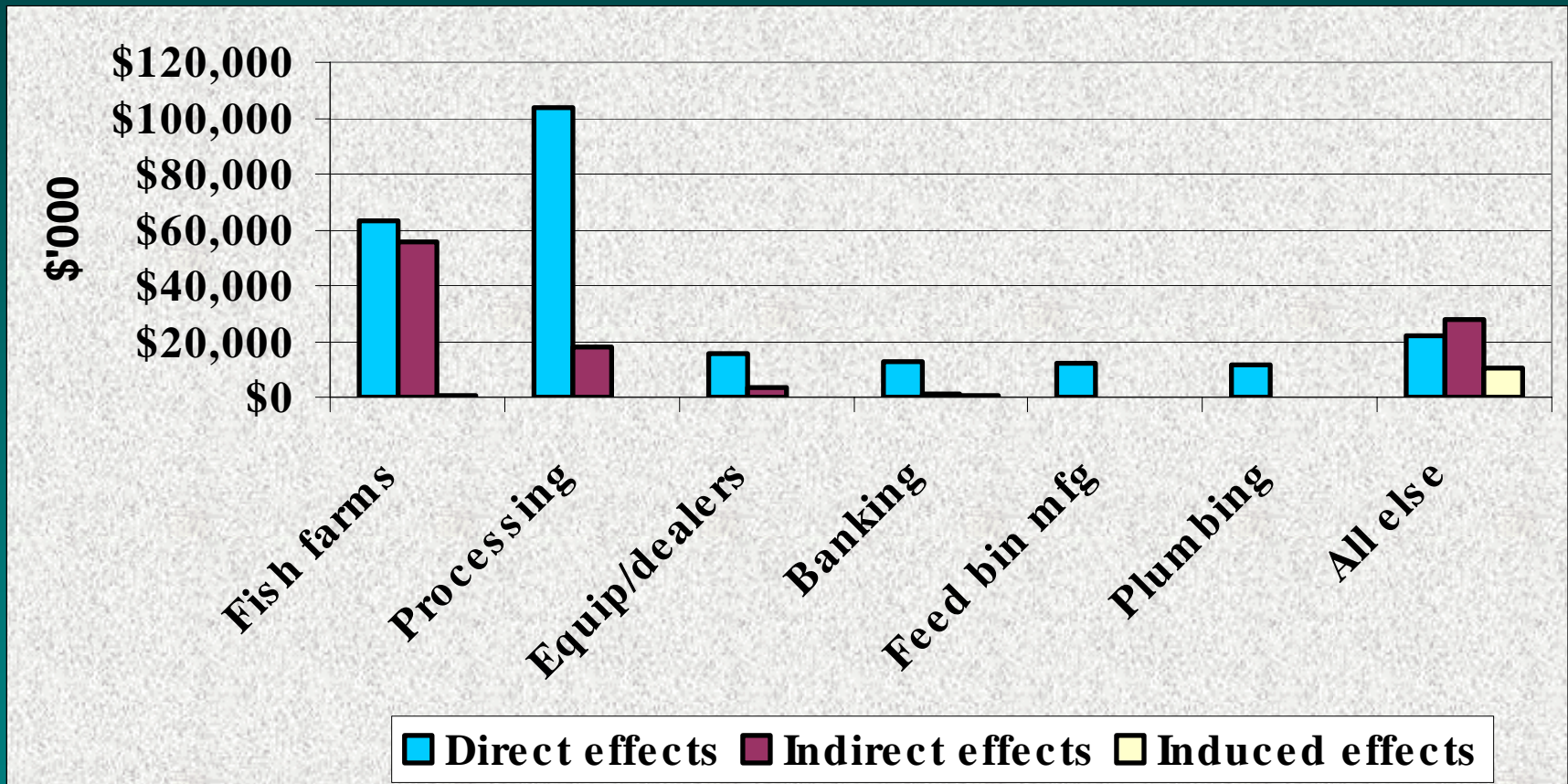
Economic Impact of Catfish Industry in Chicot Co., AR



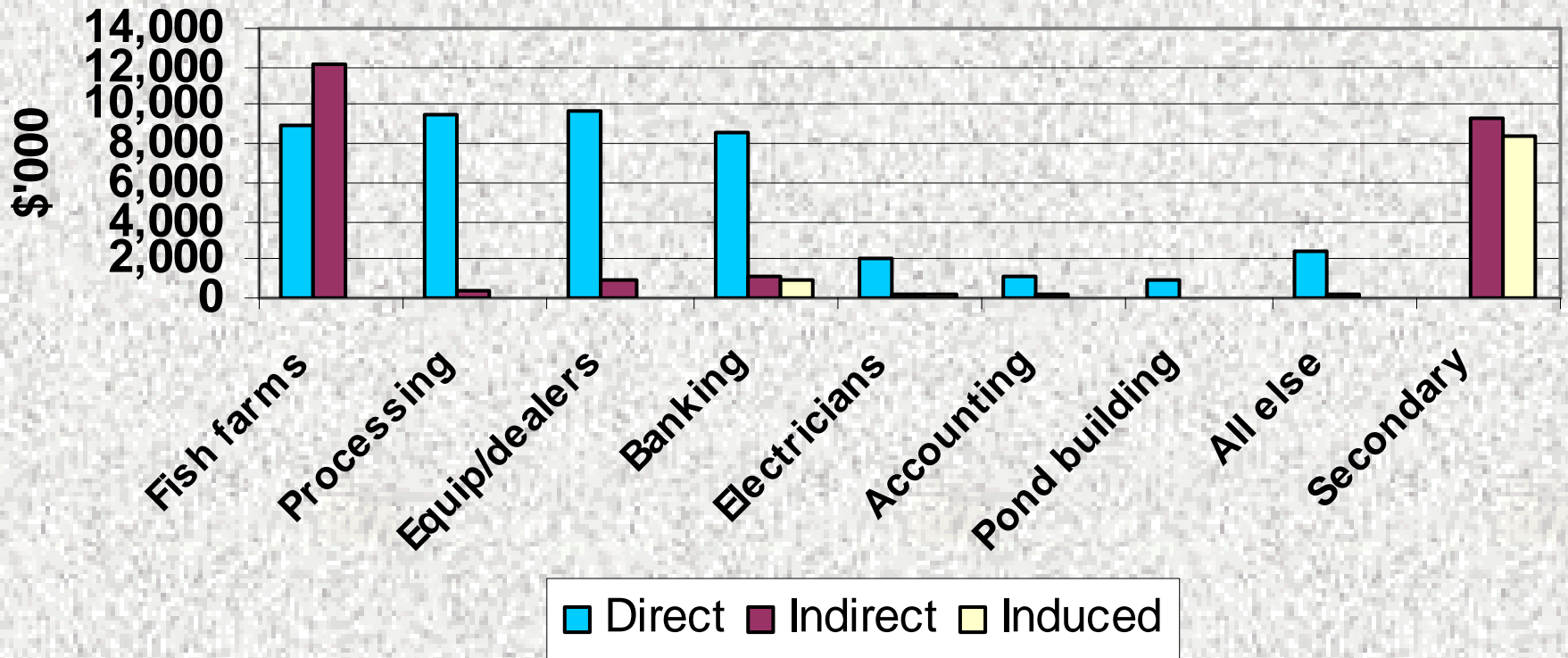
Tax Revenue Generated



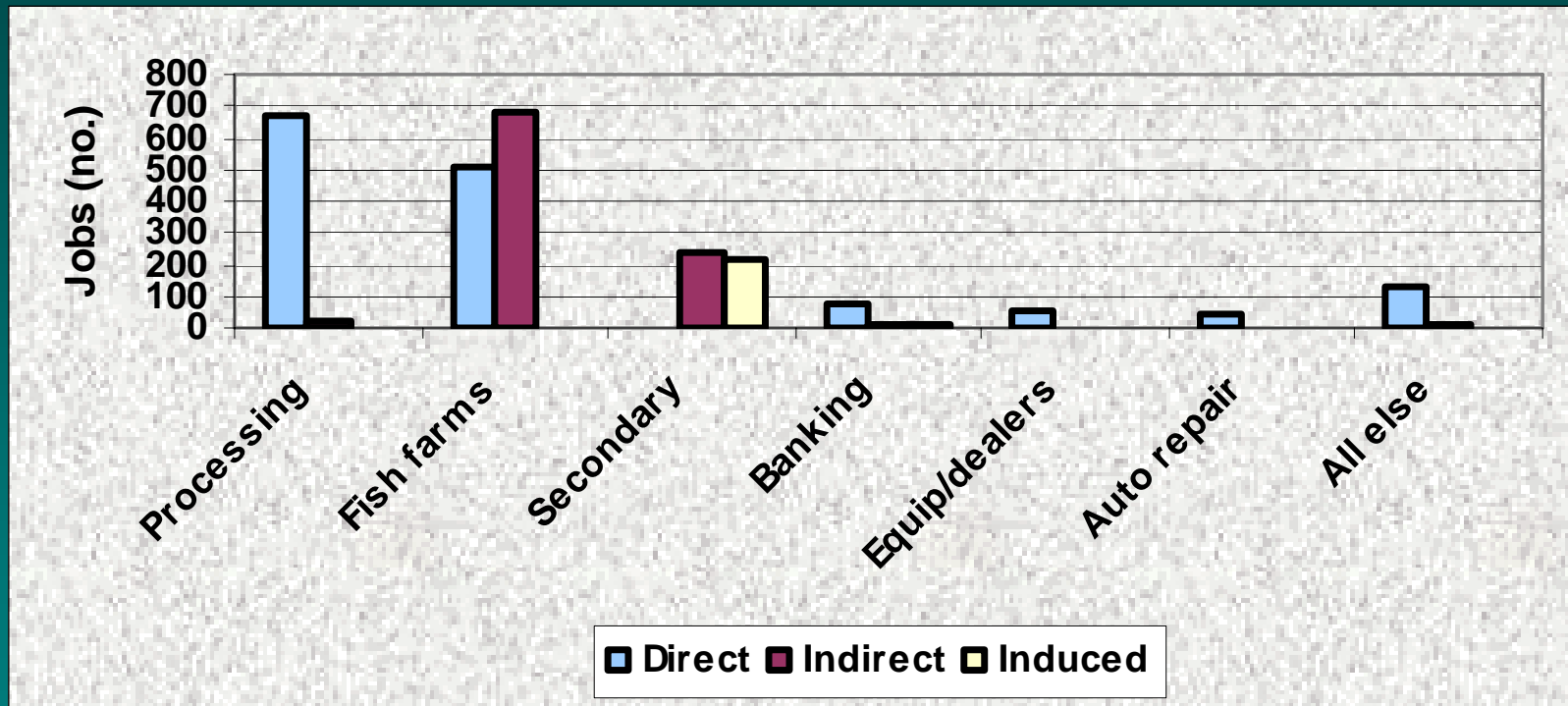
Breakdown of Economic Impact



Value Added



Employment Generated



Economic Multipliers

| Sector | Output | Jobs | Value |
|------------|--------|------|-------|
| Farms | 6.1 | 5.3 | 8.6 |
| Processing | 3.7 | 4.0 | 8.1 |
| Support | 4.5 | 9.3 | 3.1 |

