

Impact/Value Study of the Mid/Lower Apalachicola/Chattahoochee/Flint Rivers System

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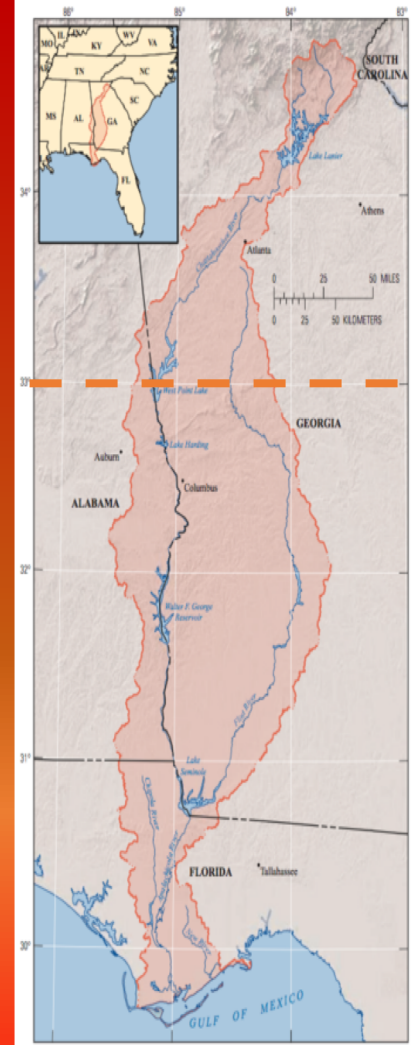
Background

- Tasked with determining the economic activity driven by the Mid to Lower ACF system
- Government spending and allocation determined by political and economic considerations
- Economic Impact is complex with a river system need to separate impacts
 - By state
 - By use
 - Water Supply
 - Recreation
 - Navigation*



Data

- Study area consists of the counties surrounding the ACF from below West Point Lake to Franklin County in Florida
- Used the withdrawal and discharge data to determine water supply
- Used multiple sources for recreation data
 - Visitor data
 - Estimate spending per day
 - In-state \$35 per day, out-of-state \$85 per day
 - Conservative estimates
 - Visitors per day from Corps and Vendors



Impacts

- Direct-spending by users of the ACF
- Indirect-contractors hired by users to provide service
- Induced-employees of users spending their incomes
- Total sum of the previous three.



Results – Industrial/Water Supply GA

Output Impacts	Direct	Indirect	Induced	Total
Georgia	\$1,836,725,497	\$606,147,695	\$900,803,478	\$3,343,676,670

Employment Impacts	Direct	Indirect	Induced	Total
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Georgia	3,529.3	3,881.9	10,232.1	17,643.2
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Results – Industrial/Water Supply AL

Output Impacts	Direct	Indirect	Induced	Total
Alabama	\$1,282,136,668	\$140,374,118	\$793,535,847	\$2,216,046,632

Employment Impacts	Direct	Indirect	Induced	Total
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Alabama	2,500.6	1,130.7	9,737.5	13,368.9
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Results – Industrial/Water Supply FL*

Output Impacts	Direct	Indirect	Induced	Total
Florida	\$15,154,107	\$412,832	\$7,515,438	\$23,082,377

Employment Impacts	Direct	Indirect	Induced	Total
Florida	56.8	4.3	110.1	171.1



Results – Industrial/Water Supply Tri-State

Output Impacts	Direct	Indirect	Induced	Total
Tri-State Area	\$2,998,004,412	\$1,109,303,395	\$3,027,809,402	\$7,135,117,210

Employment Impacts	Direct	Indirect	Induced	Total
Tri-State Area	5,940.4	6,833.6	26,858.9	39,632.9



Results – Industrial/Water Supply USA

Output Impacts	Direct	Indirect	Induced	Total
United States	\$3,221,786,359	\$2,969,226,221	\$4,010,565,340	\$10,201,577,920

Employment Impacts	Direct	Indirect	Induced	Total
United States	5,957.3	12,868.3	28,626.2	47,451.9

Tax Impacts		
	Payroll	Business
Federal Taxes	\$451,050,090.24	\$1,382,089,373.48



Tourism Impacts

- Note it is extremely difficult to pinpoint the locality of tourism.
 - Take Columbus Whitewater did the family stay in Phenix City or Columbus.
 - Lake Seminole where they launch their boat or where the live?
- For this reason, the results are presented in two categories Tri-State and USA.
 - Forced to assign percentages it would be Georgia and Alabama roughly 80% and Florida 20%



Tourism Impacts

Output Impacts	Direct	Indirect	Induced	Total
Tri-State Area	\$248,374,045	\$90,811,678	\$322,816,194	\$662,001,918
Untied States	\$261,936,769	\$193,094,181	\$1,070,315,285	\$1,525,346,235

Employment Impacts	Direct	Indirect	Induced	Total
Tri-State Area	2,462.2	644.0	2,339.5	5,195.6
Untied States	2,647.4	1,225.7	5,889.6	9,762.8

Tax Impacts*		
Payroll	Business	
Federal Taxes	\$36,671,147.61	\$206,650,857.25



Quote about Natural Lands.

- “Approximately 88% of Franklin County is protected as either State or Federal lands. This natural resource is attractive to tourists for recreation. However, these tracts do not generate tax revenue or allow for an expanded population base or other development to support the economy.”
 - Franklin County Application for Triumph Funds.



Navigation

- Minimal navigation in the past decade determining impact difficult/impossible
- Working with economic interests in the area, we have developed some hypothetical situations.
 - All industries in these hypotheticals have shown a interest in waterborne shipping.
 - Cargo includes: Fertilizer, Asphalt, Bauxite, Copper, Lumber, Manufactured Metal Products (Miter Gates, etc.)
 - Four percentage of availability will be presented.
 - 90%, 60%, 30% 10%



Ten Percent Availability (January)

- Main products would be Manufactured Metal Products and Fertilizer.
- Approximately 10 shipments per year with ~30,000 tons
- Would add 55 jobs with average hourly wage of \$22 per hour



Thirty Percent availability (January-March)

- Main products would be Manufactured Metal Products, Fertilizer, Commodities (Petroleum)
- Approximately 25 shipments per year with ~75,000 tons
- Would add 85 jobs with average hourly wage of \$25 per hour



Sixty Percent availability (December- June)

- Main products would be Manufactured Metal Products, Fertilizer, Commodities (Petroleum), Lumber, Bauxite
- Approximately 40 shipments per year with ~120,000 tons
- Would add 135 jobs with average hourly wage of \$22 per hour



Ninety Percent availability (August- June)

- Main products would be Manufactured Metal Products, Fertilizer, Commodities (Petroleum), Lumber, Bauxite
- Approximately 120 shipments per year with ~160,000 tons
- Would add 241 jobs with average hourly wage of \$22 per hour
- This is not a realistic hypothetical.



Conclusion

- Mid/Lower ACF has major impact in the area surrounding the waterway.
- Recreation continues to grow in importance
- Navigation would benefit the area and help reduce shipping cost of the area.
- Need to get Congress to and President to see the value of maintaining this waterway.



Thanks for your time.

