

Understanding your
Local Economy:
Descriptions with economic
data and economic impacts

REDI@CSU

Regional Economic Development Institute



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Engagement and Extension



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Federal Spending in Colorado: Lessons from the Budget Control Act of 2011

📅 May 2023 | 👤 Tim Komarek | 📁 Debt, Federal Spending

This report highlights the relative importance of federal procurement spending in the private sector across different regions of Colorado. Several Colorado counties receive a significant amount (over \$3,000 per capita a year) of federal spending. The reduction in federal spending from the Budget Control Act of 2011 led to a decline of approximately 10,000 jobs and an increase in unemployment and demands on the social safety net....

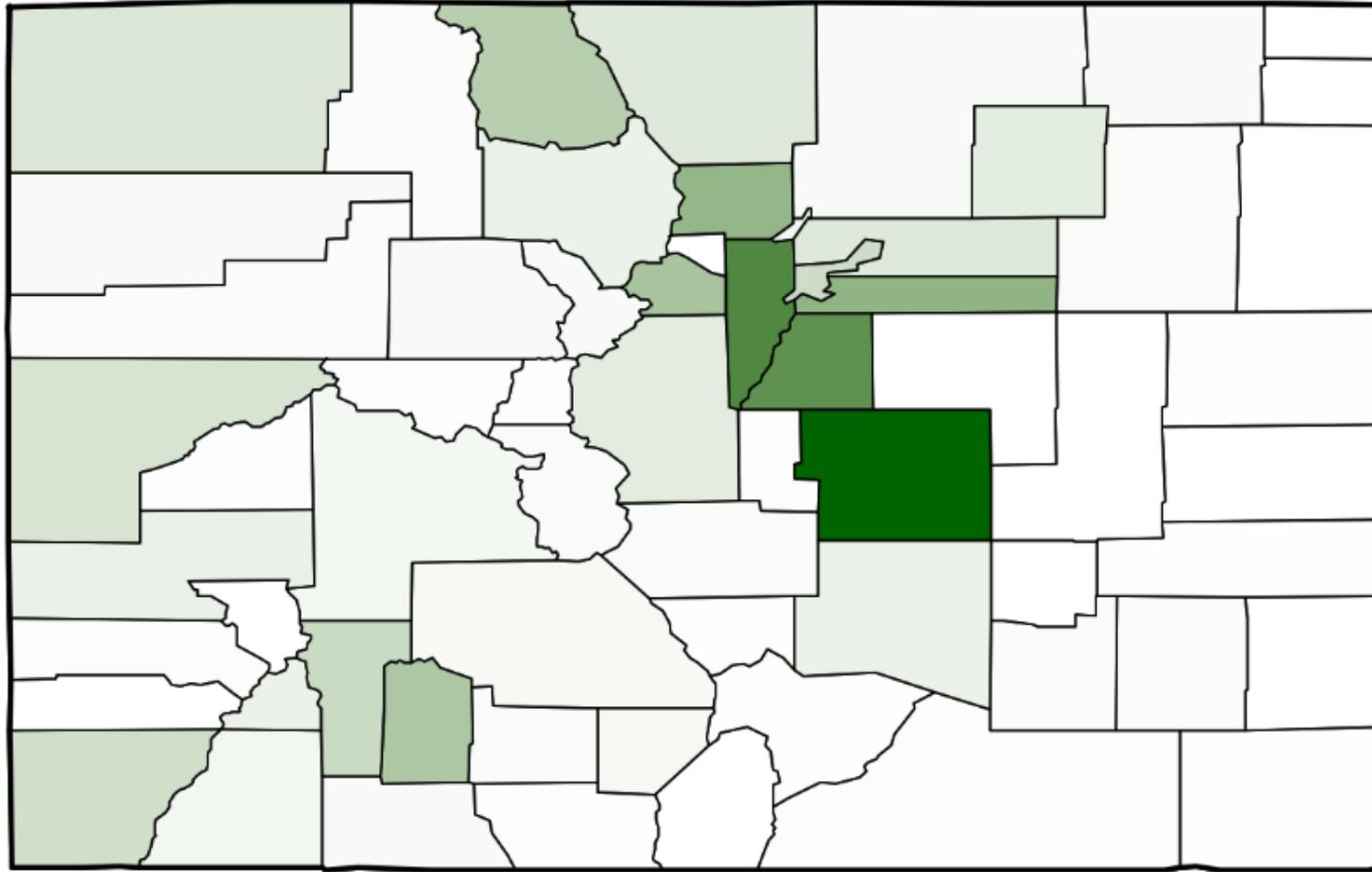
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Economic wins and losses from reintroducing wolves in Colorado

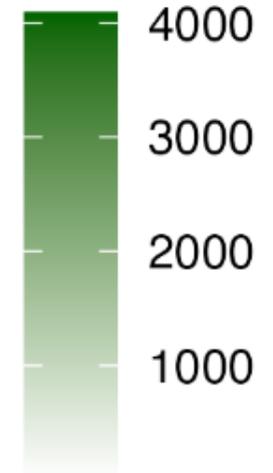
📅 April 2023 | 👤 Benjamin Ghasemi, Dana L. Hoag, Jesse Burkhardt, Robin Young | 📁 Wolves

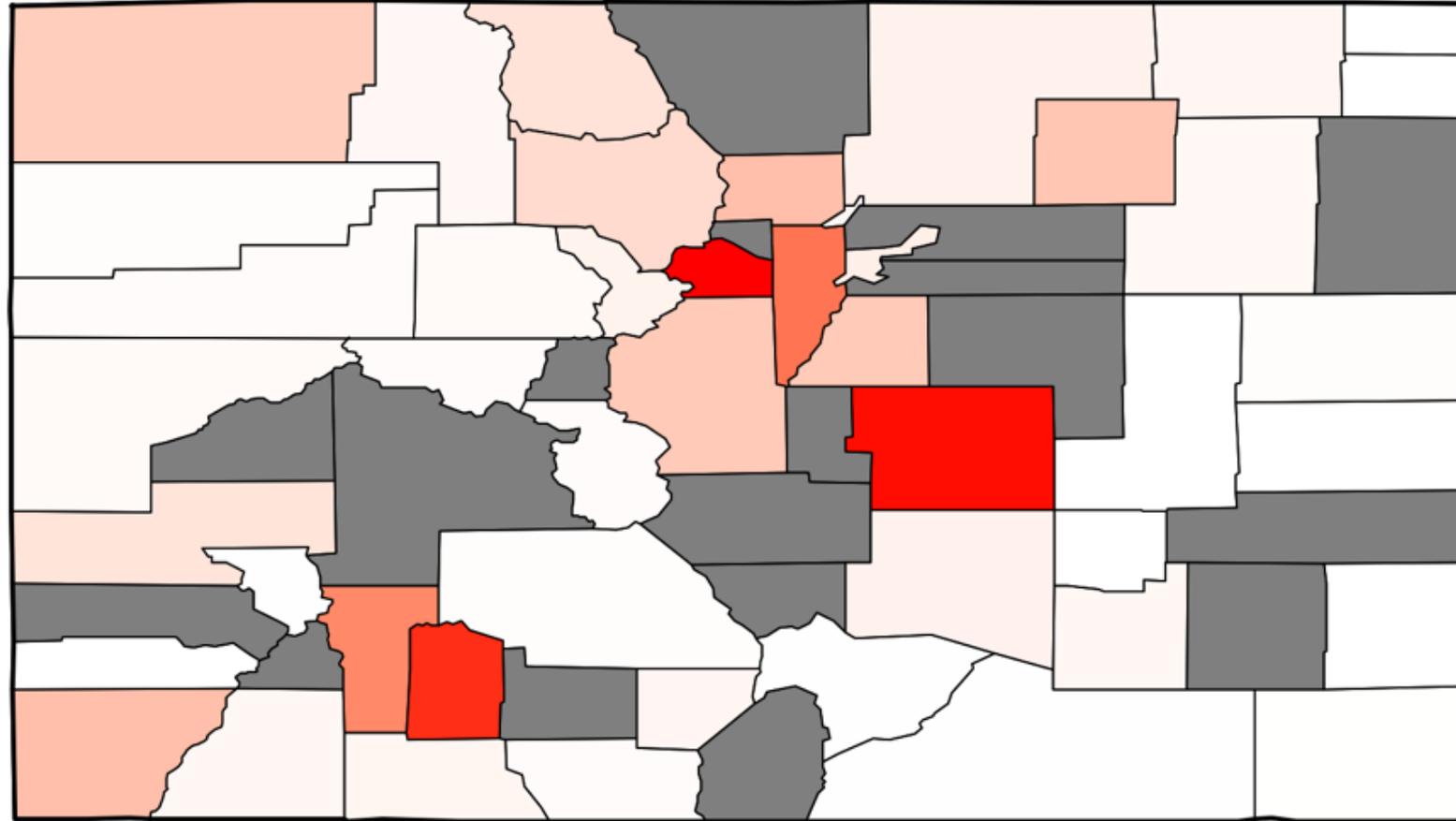
In 2020, Coloradans narrowly voted, 51-49%, to reintroduce wolves in late We estimate that the benefits to yes-voters are about \$115 million/year, likely more than 50 times government spending for those that will experience losses. Almost 90% of the benefits fall in the Front Range, where very few people will ever encounter a wolf, while about 4% fall on the Western Slope, where almost all costs occur....

[Read REDI Report](#)



Total Spending
Per Capita, 2011





Change Total Spending
Per Capita, 2011-2017

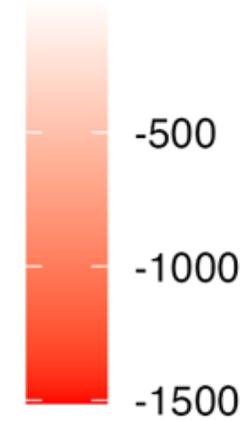


Table 1. Estimated Economic Impact on Colorado from the Budget Control Act of 2011

	Jobs	Unemployed	SNAP increase
Boulder MSA	-1,284	567	1,487
Colorado Springs MSA	-3,847	1,997	3,462
Colorado	-9,902	5,968	6,173

Estimated economic impact using the methodology from Komarek, Timothy M., Kyle Butts, and Gary A. Wagner. "Government Contracting, Labor Intensity, and the Local Effects of Fiscal Consolidation: Evidence from the Budget Control Act of 2011." *Journal of Urban Economics* 132 (2022). SNAP stands for Supplemental Nutrition Assistance Program.



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Economic Model



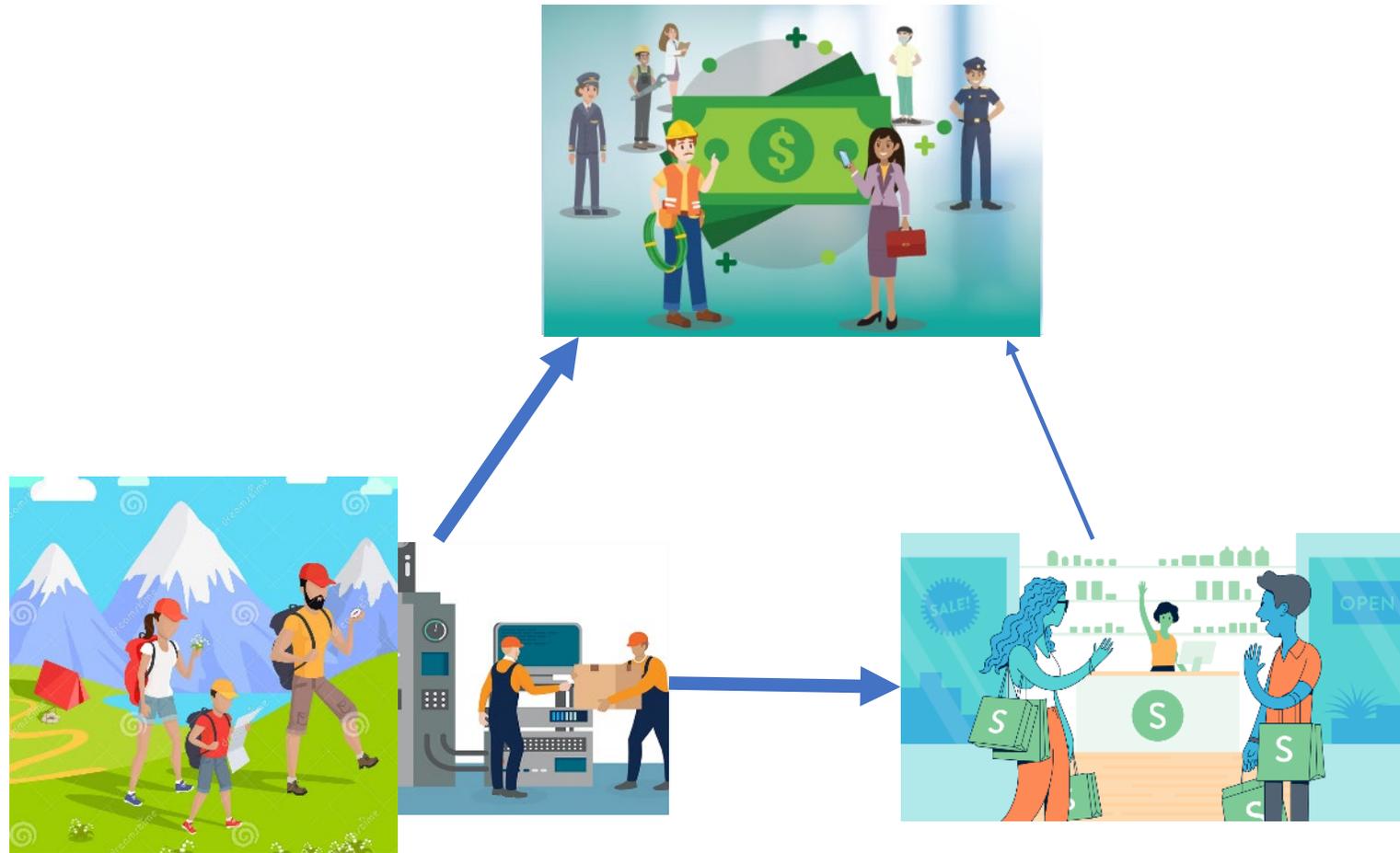
Economic Model



Economic Model

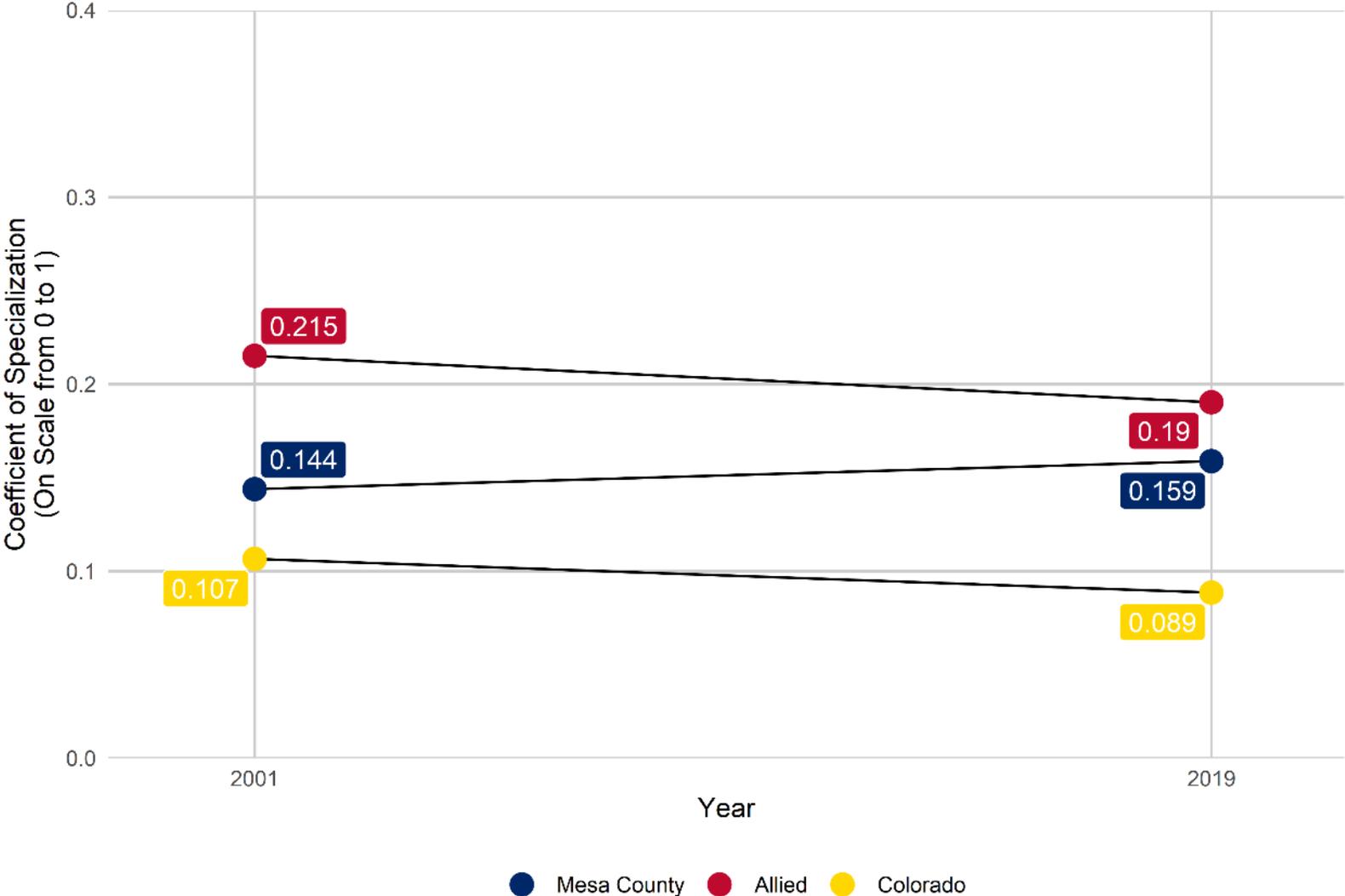


Economic Model



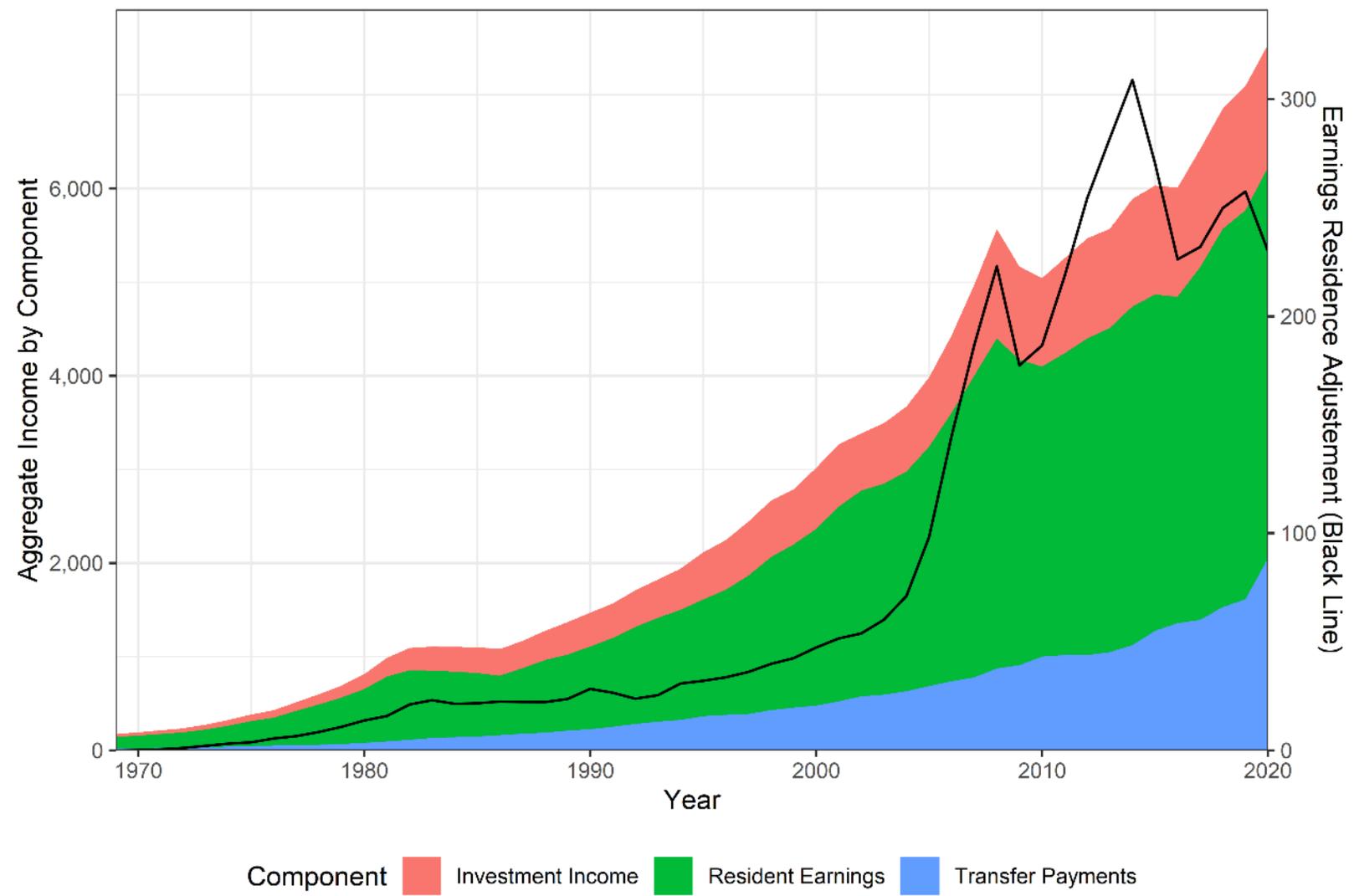
Economic Model

Mesa County Change in Coefficient of Specialization
EDA Region and Colorado Included for Comparison

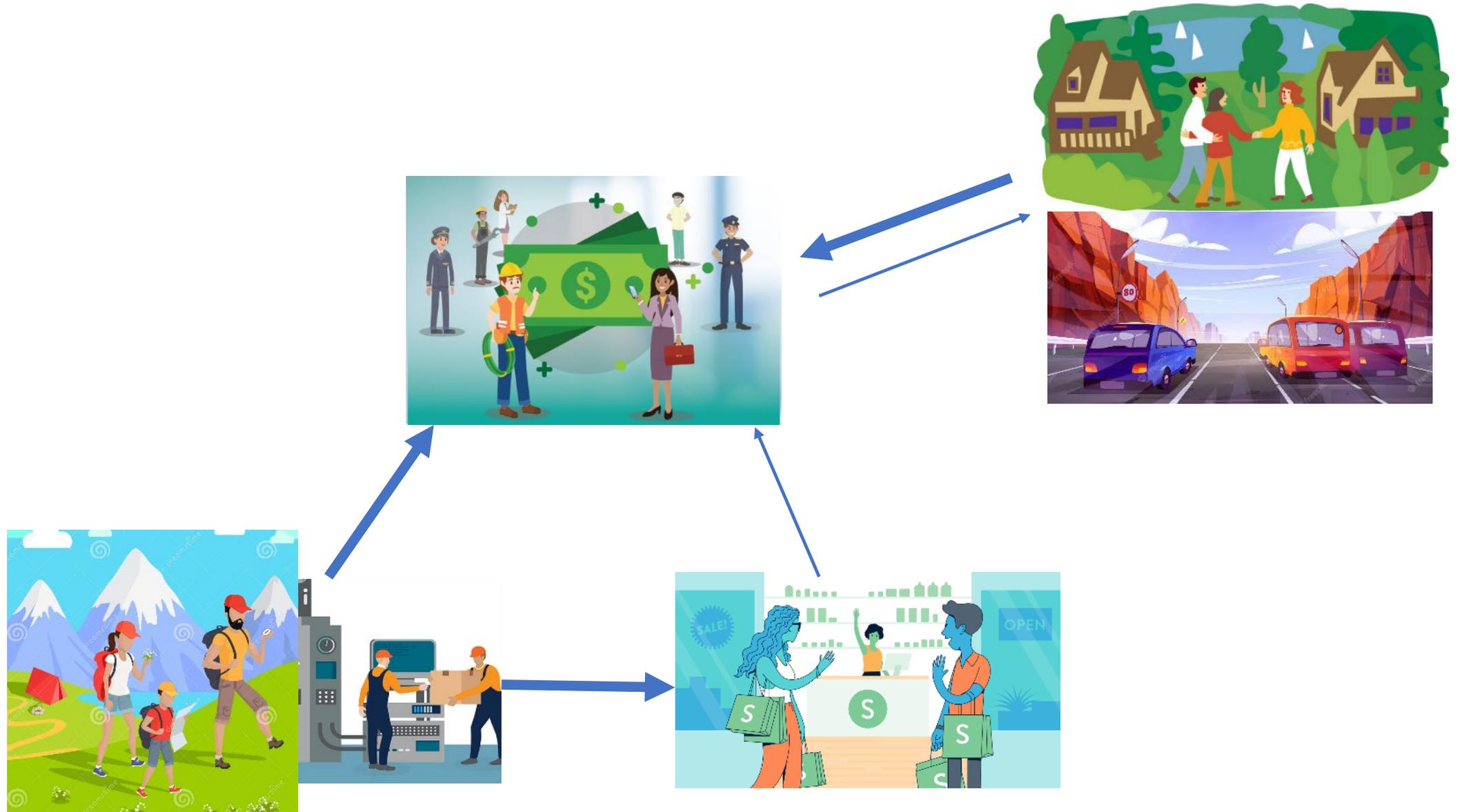


Economic Model

Personal Income by Major Component in Mesa County
From 1969 to 2020 in Millions of Nominal USD

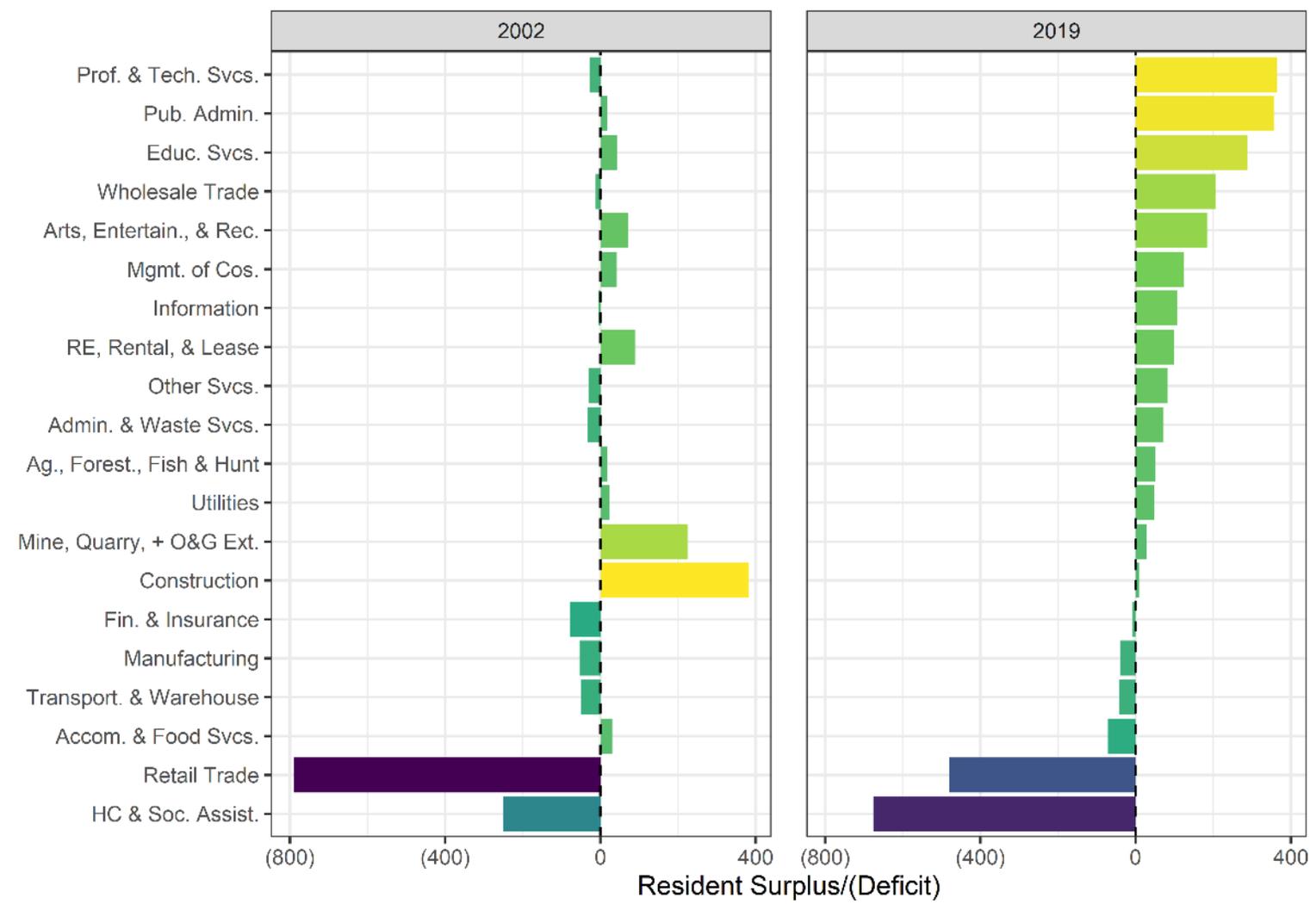


Economic Model



Economic Model

Mesa County Resident Worker Surplus/(Deficit)
By Industry [NAICS 2-digit Sectors]

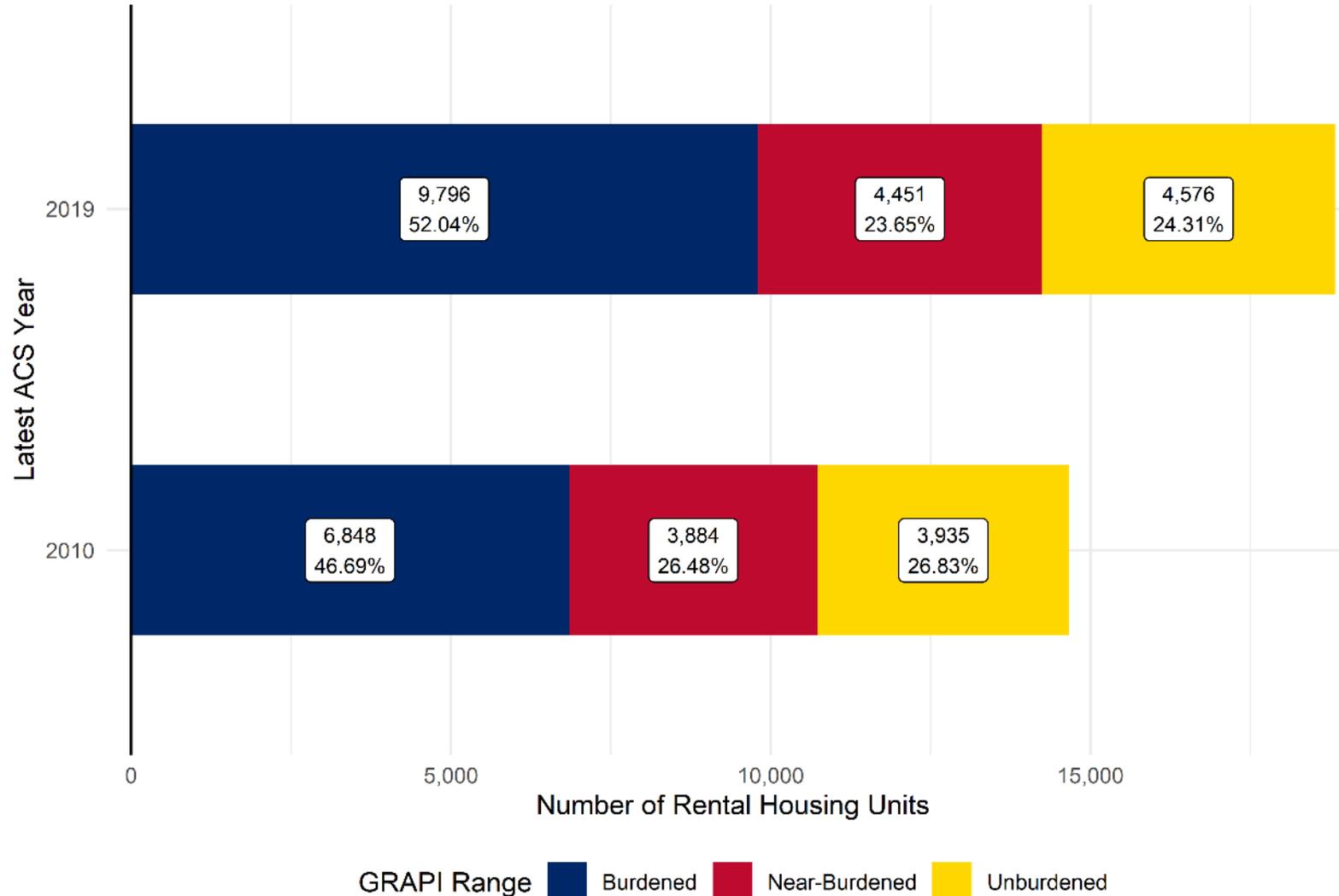


Economic Model



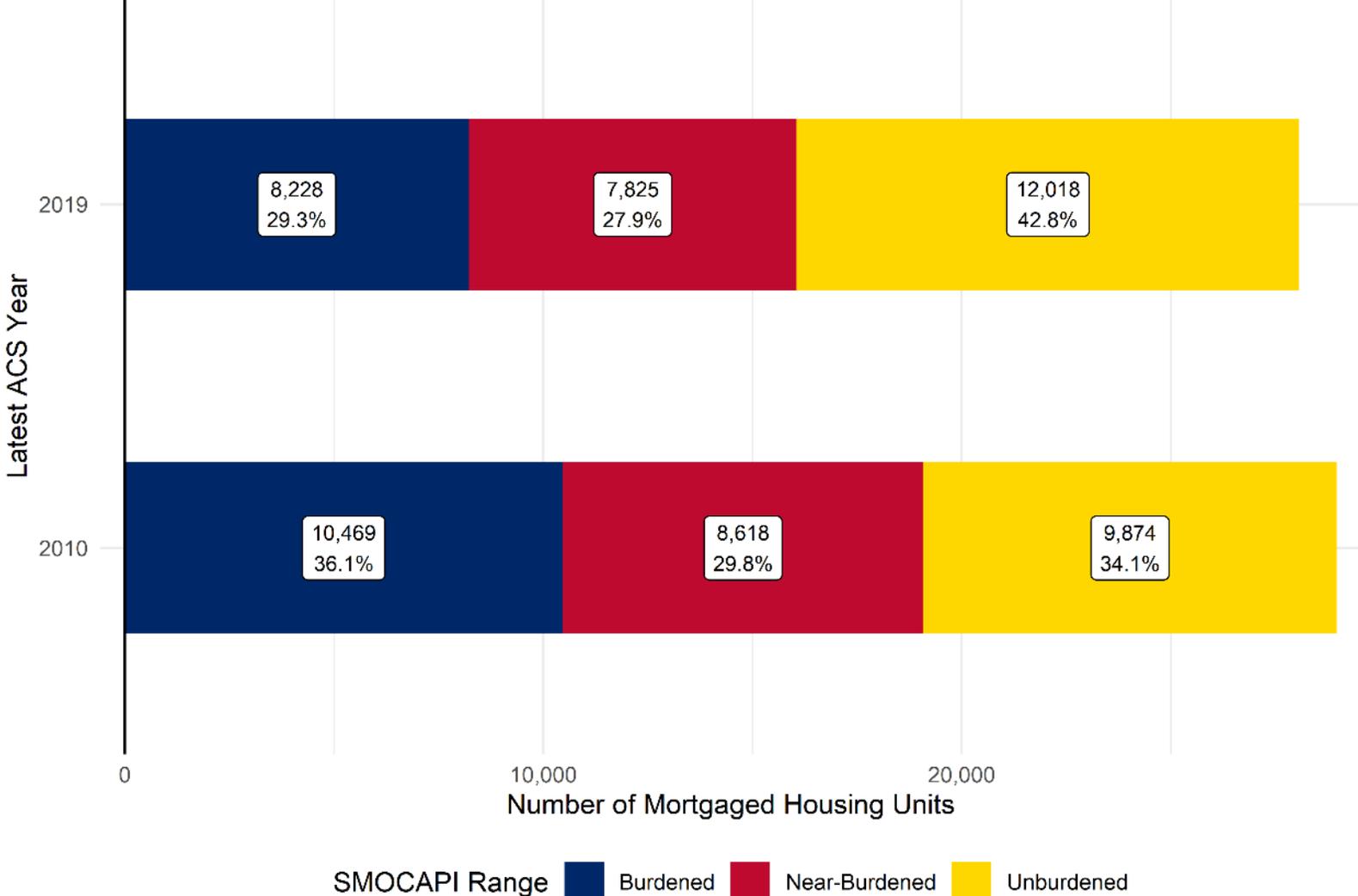
Economic Model

Rental Housing Affordability in Mesa County
Gross Rent As a Percentage of Income (GRAPI)



Economic Model

Mortgaged Housing Affordability in Mesa County
Selected Monthly Owner Costs As Percentage of Income (SMOCAPI)



REDI Indicator Topics

1. Non-employer bubble graphs
2. Employer bubble graphs
3. Establishment dynamism
4. Jobs dynamism
5. Coefficient of specialization
6. Labor productivity
7. Personal income by major component
8. Housing affordability
9. Commuting flows

Ideas and suggestions welcome!

Clear Creek County

Willie Wilkins

Office of Engagement and Extension

REDI@CSU

Regional Economic Development Institute



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Clear Creek County

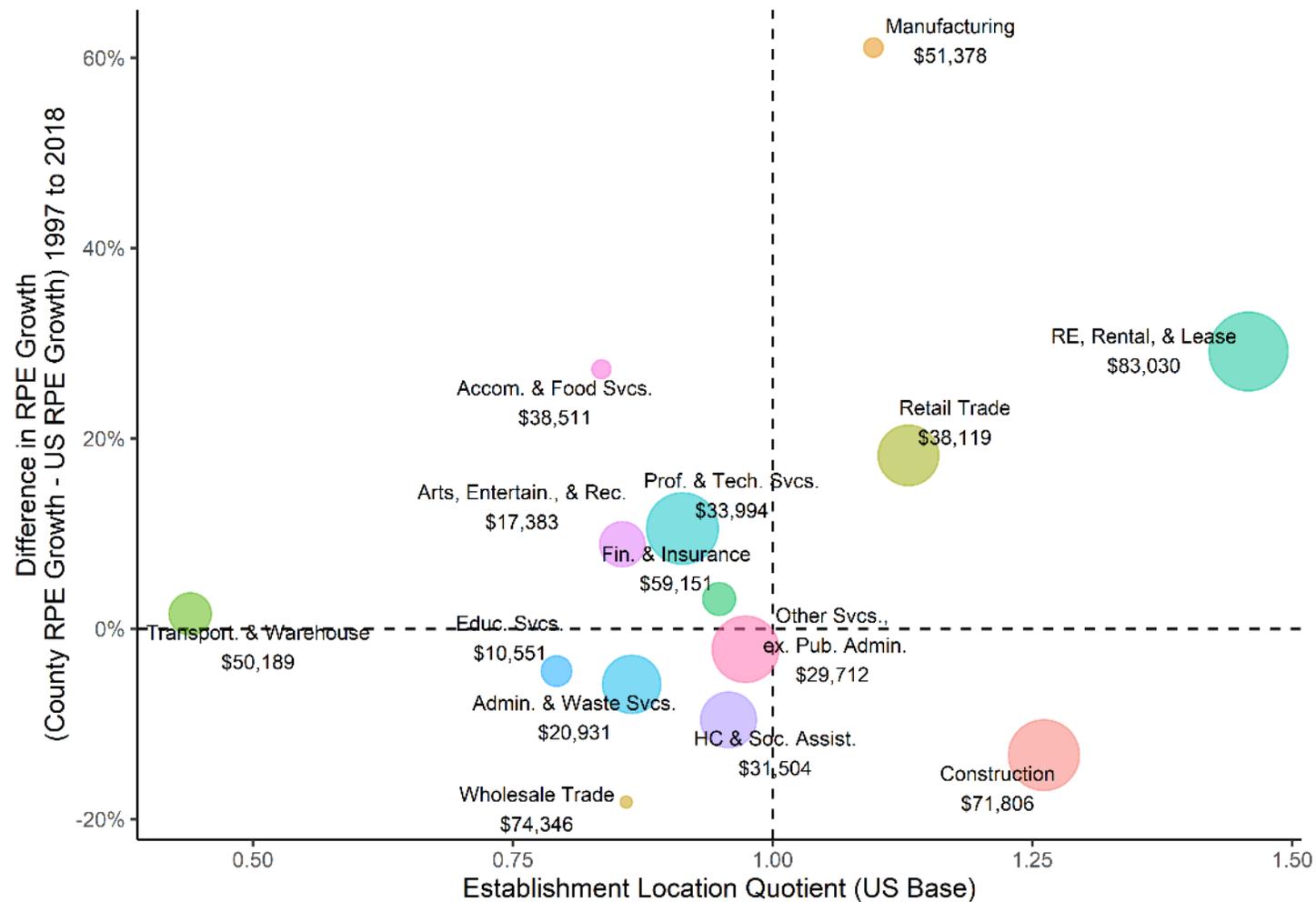
Clear Creek County

Clear Creek County



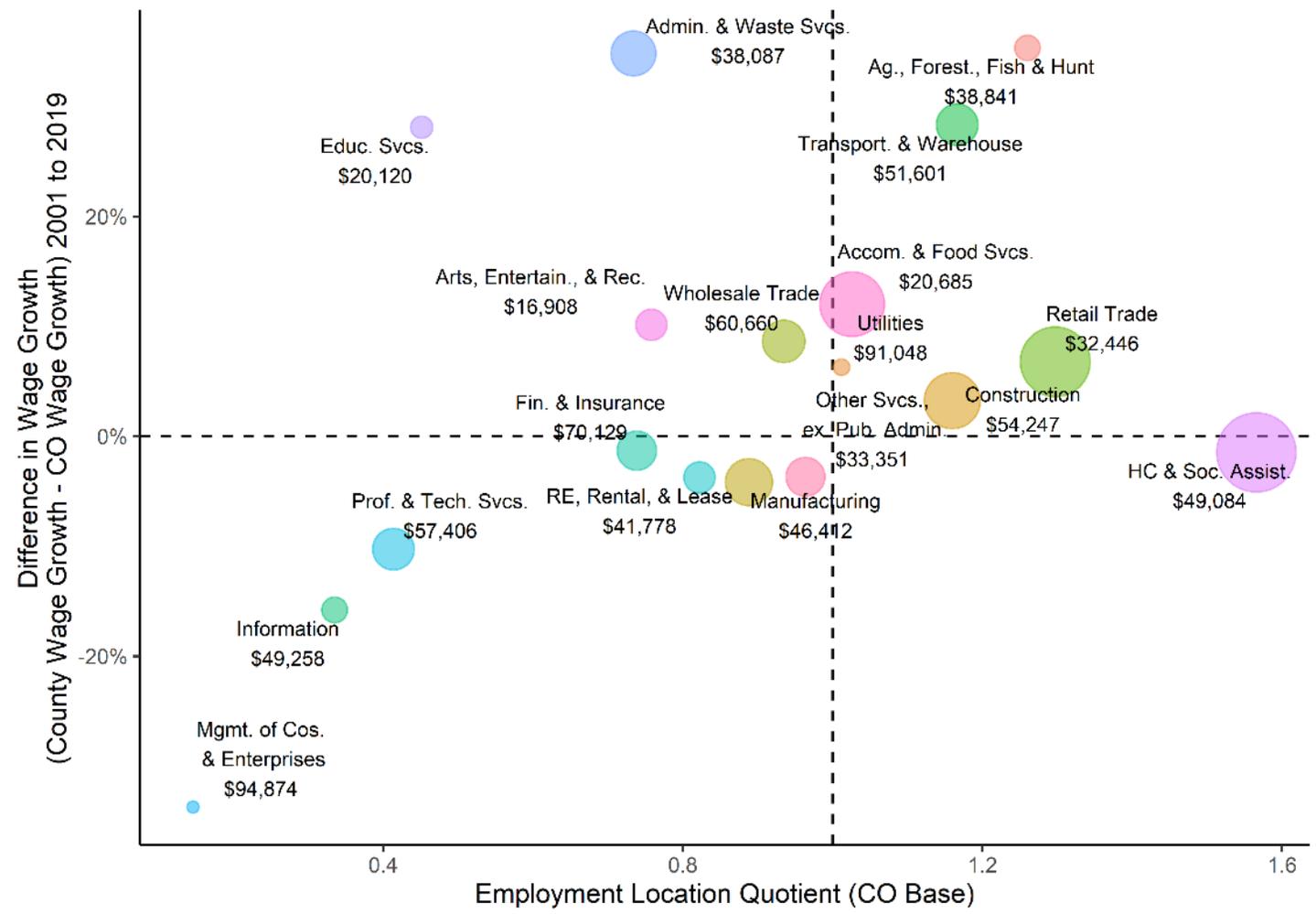
Economic Model

Mesa County to US Non-Employer Statistics
Receipts/Establishment Growth vs. Location Quotient Matrix



Economic Model

Mesa County to CO QCEW
Wage Growth vs. Employment Location Quotient Matrix





Economic Model

Mesa County to US QCEW Wage Growth vs. Employment Location Quotient Matrix



Leveraging CSU's Young Talent: Internships

Colorado State University Extension Internship Program: The Cornerstone of University Engagement

Intern.colostate.edu

Rebecca Hill, Becca Jablonski and Kyla
Davis

Colorado
State
University



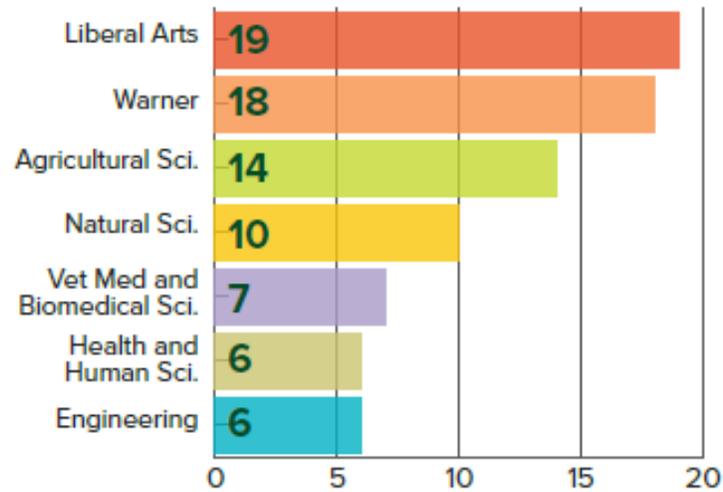
Extension Internship Program

- 2018 charge from Extension leadership to facilitate connection:
 - between campus and field;
 - And between students and Extension
- All internships include at least 2 mentors working together on an applied research project
 - 1 mentor must be a campus based researcher
 - 1 mentor must be a field based Extension specialist
 - Community members often serve as additional mentors

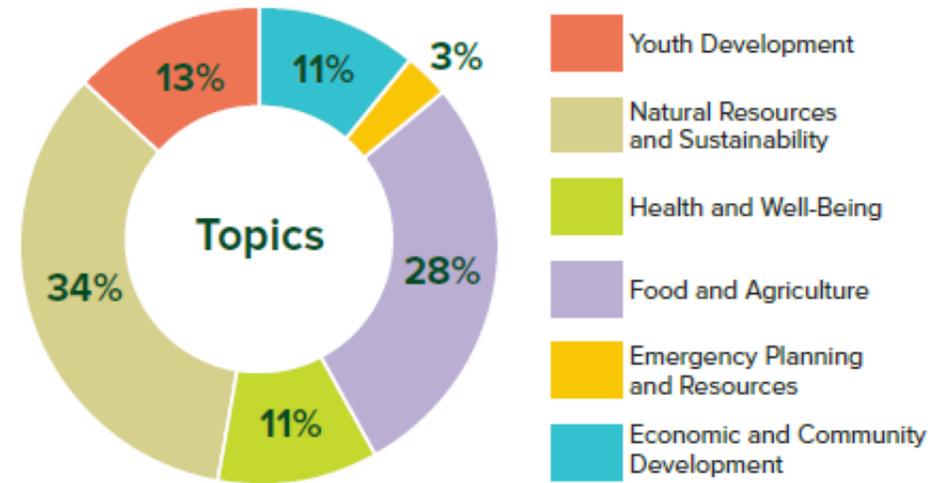
Internship Details

- Cocreated internships through community engagement facilitated by county-based specialists
- Paid Internship for 10 weeks over the summer
 - ~30 hours per week
 - \$5,000 for undergraduate students
 - \$7,000 for graduate students
- Located across the state
 - We had interns in 32 Colorado counties in 2023

Intern Home Colleges



Internship Topic Areas



By the Numbers:

Since its inception in 2018, there has been growth in interest for the Extension Internship program by faculty/staff, Extension agents/specialists, and students, which can be seen in the year to year growth in participation outlined below:



Student Outcomes

Professional Development



Mentorship and Connections



Awards and Recognition



Hands on Work and Research Experience



Field/Extension Outcomes

Mentors (Extension):

87% of Extension Mentors reported that they increasingly see value in engaging stakeholders in research.

80% of Extension Mentors reported that they feel more connected to campus and to other agents in the field.

94% of Extension Mentors reported that they recommend participating in the CSU Summer Extension Internship program to other faculty members and Extension personnel.

89% of Extension Mentors reported that they are likely to participate in the CSU Summer Extension Internship program again.

“I love this program!! It keeps me connected to campus. I love the opportunity to work with students”

- 2021
Extension/Field
Mentor

The economic and community implications of rural outdoor tourism, initiatives and investments ...and a little on food systems

REDI Research Associates and Grad RAs

May 2023



COLORADO STATE UNIVERSITY

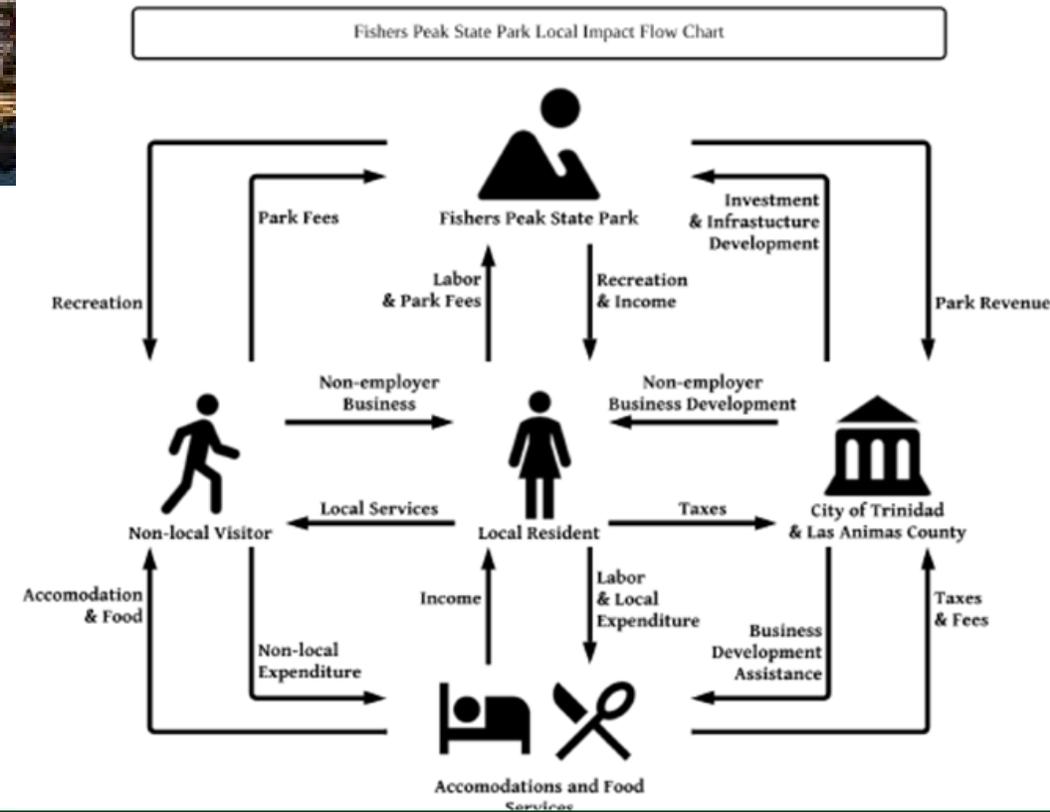
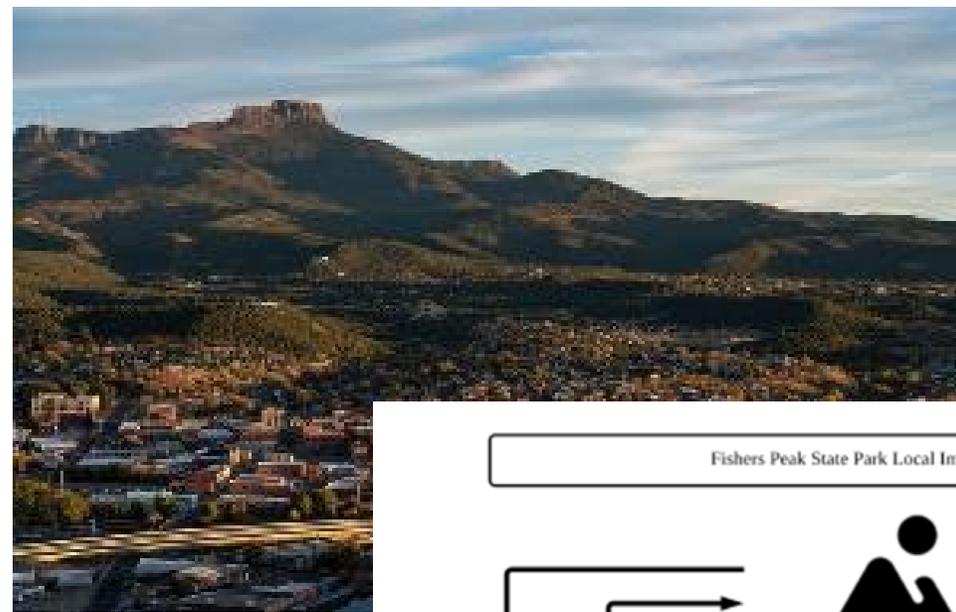
Exploring Economic Activity of Outdoor Investments

- *Outdoor Economy has a number of economic and community implications*
- State Parks draw tourism as well as improve the subjective quality of life in the areas around them.
- Outdoor recreation tourism offers benefits to many stakeholders
 - **State:** Fees and licenses
 - **Local Area:** Spending, taxes and economic multipliers
- *Agritourism* has emerged from Rural Development as an effective way to revitalize rural areas.
 - More resilient farms if there are a larger number of revenue streams
 - Education on farm and ranch lifestyle
- State Parks draw tourism as well as improve the subjective quality of life in the areas around them.



Fisher's Peak

- Colorado's Newest State Park Opened in 2020
- 9,633-foot flat-topped mesa in the Sangre de Cristo Range
- 19,200 Acre Property
- Opened with 250 acres and 3 trails
- Now up to 13 miles of trails, main trail is within 0.5 miles of the Peak
- Closure: Annual 0.5 mile buffer zone around the Peak from March 15 - August 1 for nesting pair of Peregrine Falcons
- Development is very fast compared to similar parks, thanks in part to Governor's support

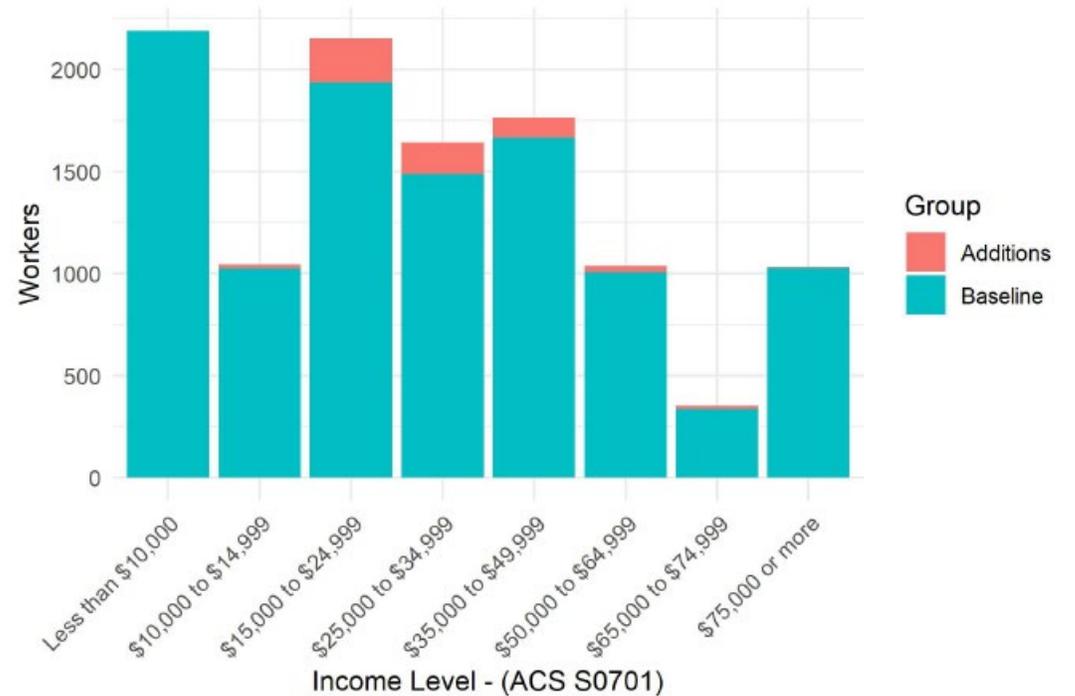


Economic and Employment Impacts-Fisher's Peak

Table 5: IMPLAN Input-Output Analysis

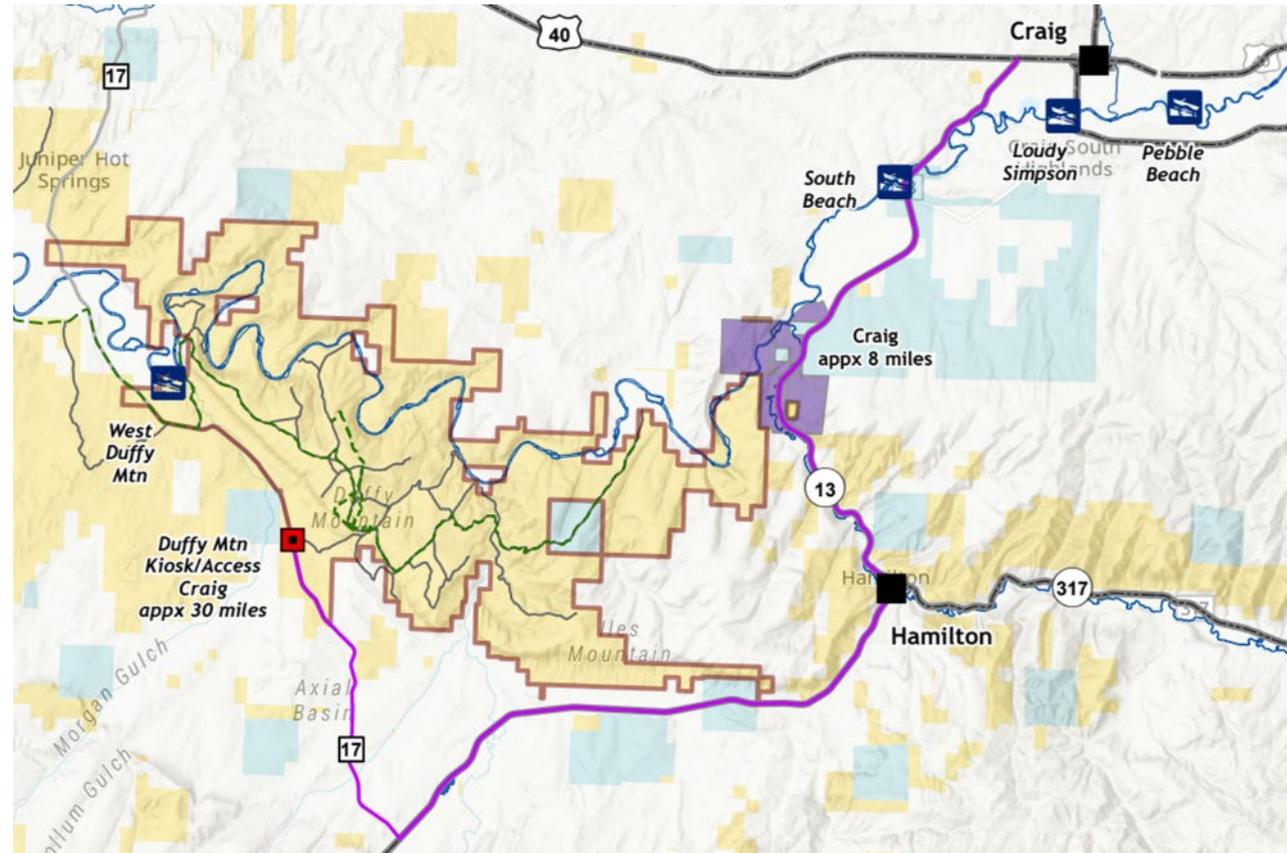
Impact	Employment	Labor Income	Value Added	Output
1 - Direct	578.24	\$18,447,837	\$28,229,995	\$46,476,246
2 - Indirect	71.33	\$1,770,055	\$2,889,992	\$9,064,596
3 - Induced	48.95	\$2,048,227	\$4,352,370	\$7,608,257
	698.52 ¹	\$22,266,120	\$35,472,358	\$63,149,099

Employment By Income Level

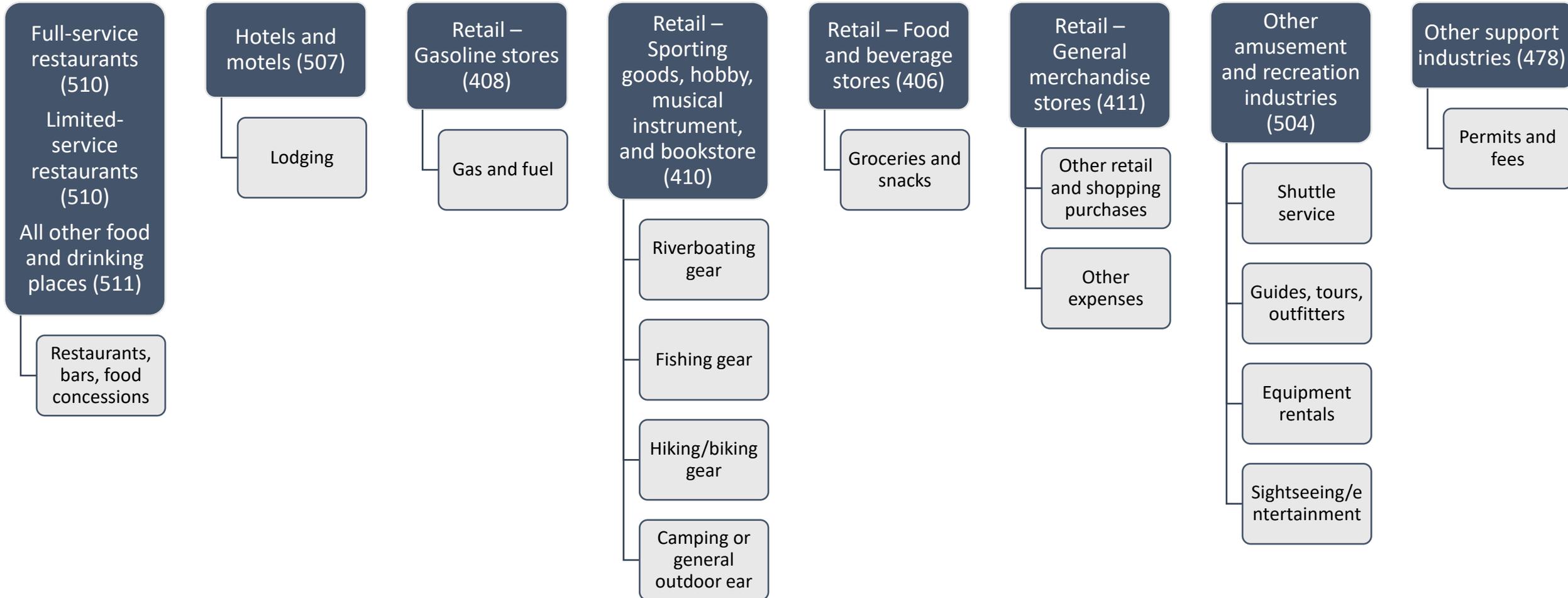


BLM in Craig and Moffat County

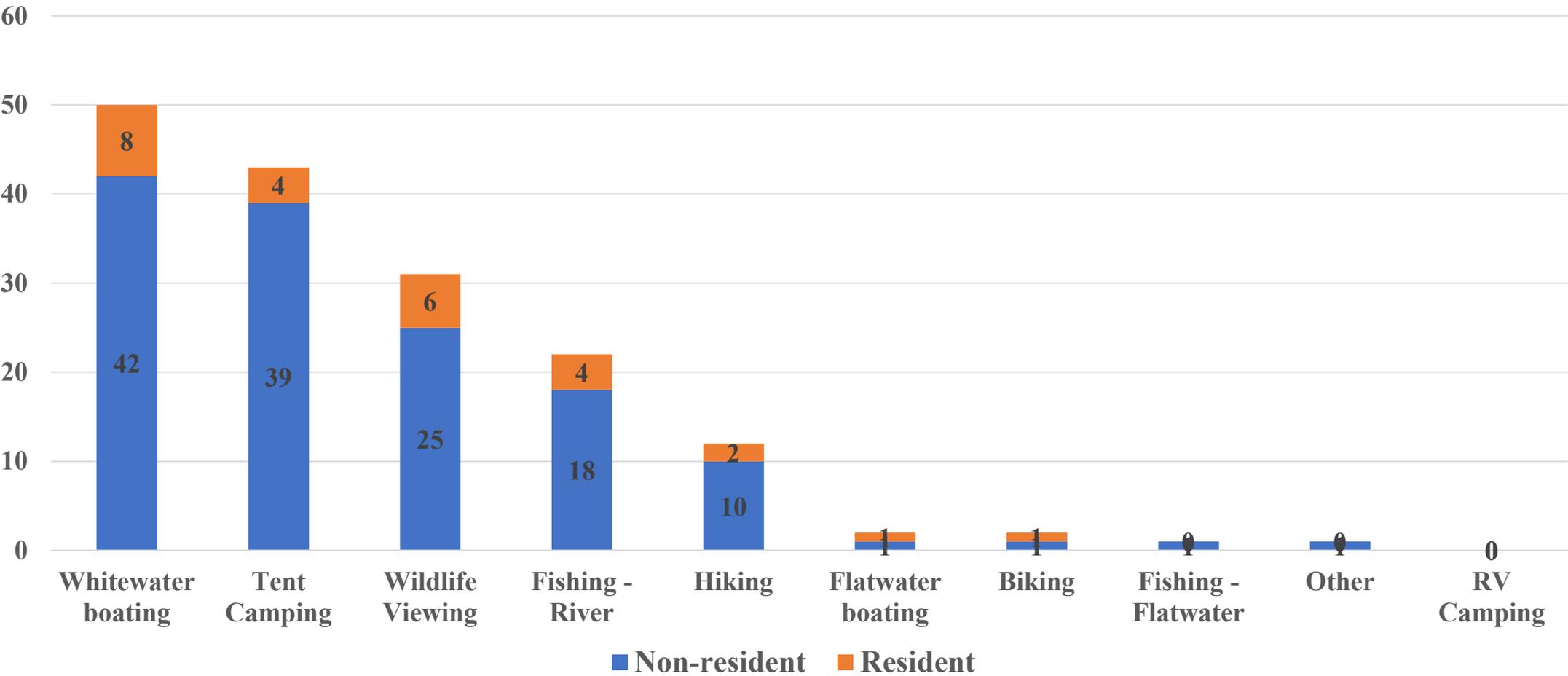
- The Bureau of Land Management is looking at investing in a ~660 acre parcel of land south of the City of Craig
 - Would increase number and convenience of publicly accessible recreation land
 - Connects to the Little Yampa Canyon Special Recreation Management Area (SRMA), which would allow for easier access to the SRMA and additional river and trail access points
- Understand the current and future impacts related to the economics of outdoor rec and tourism in the region



Mapping Expenditures into IMPLAN



Listed Activities from Survey Respondents



Additional Non-Resident Spending Generated from Quality Improvements

Recreational Quality Preferences	Average Days/Participant	Additional Expenditure	Additional Total Output
Increased # of public put-ins, take-outs, and fishing access sites	3.301887	\$ 23,224.44	\$21,433.20
Hiking/biking/motorized vehicle trail access	2.792453	\$ 19,641.24	\$18,126.37
Water levels	2.339623	\$ 16,456.18	\$15,186.96
Fishing opportunities/conditions	2.074074	\$ 14,588.39	\$13,463.23
More challenging features/trails	1.849057	\$ 13,005.69	\$12,002.59
Wildlife and surrounding habitat	1.509434	\$ 10,616.89	\$ 9,798.04
Hunting access	1.45283	\$ 10,218.75	\$ 9,430.61
Scenery/natural setting	0.962264	\$ 6,768.27	\$ 6,246.25

- Example: If the Bureau of Land Management were to increase the number of public access sites along the Yampa River, Moffat County can expect an increase in non-resident visitation of 30.45%
- This results in an increase of \$21,433.20 in additional economic output

Input-Output Results

Input-Output Results Under Current Conditions

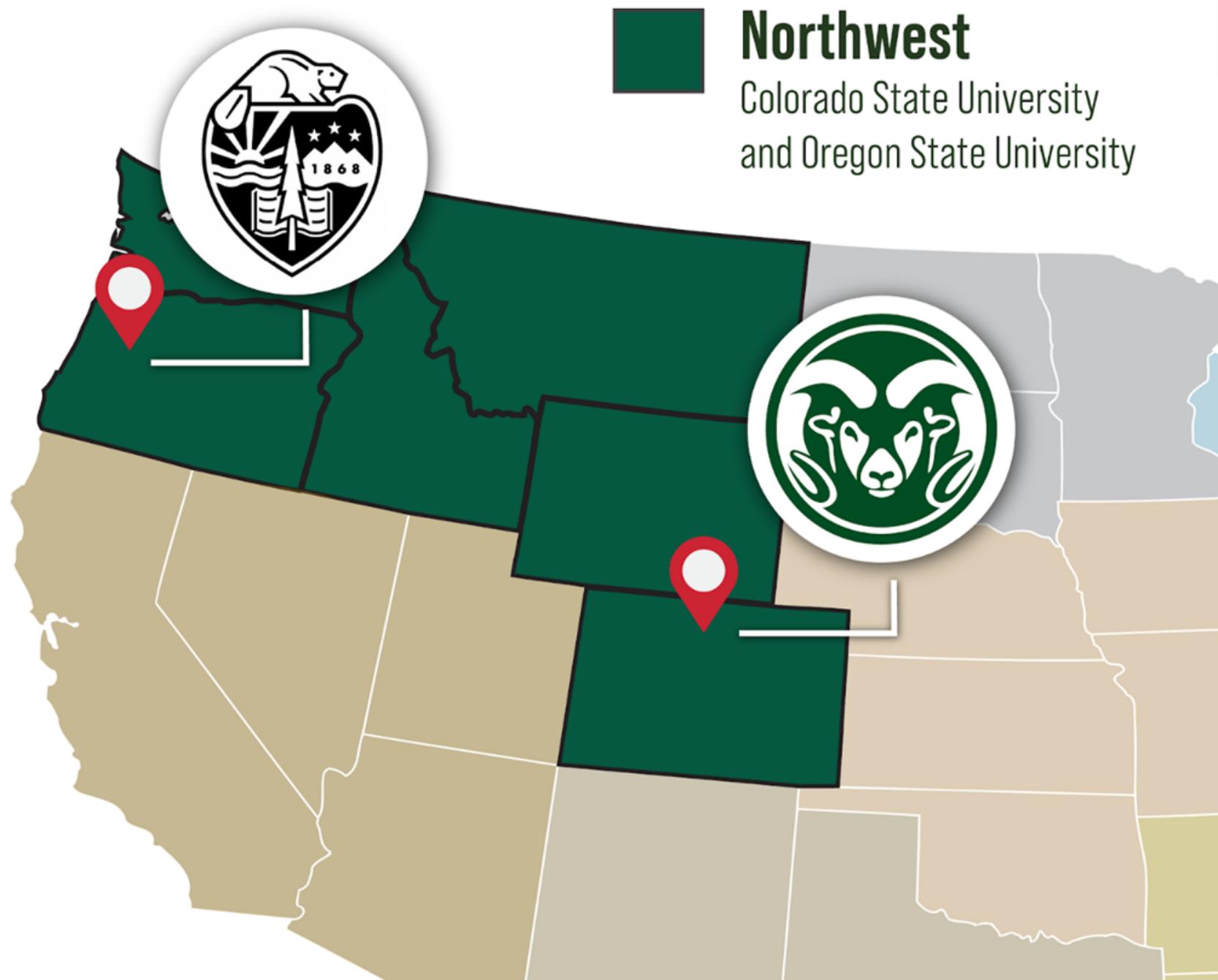
Economic impact	Direct effects	Indirect effects	Induced effects	Total effects	Type SAM multiplier
Total output	\$48,681.04	\$13,074.36	\$8,618.28	\$70,373.68	1.45
Total employment	0.5330	0.0844	0.0552	0.6726	1.26
Total labor income	\$16,273.75	\$2,262.83	\$2,262.83	\$20,799.41	1.28
Value added	\$26,891.50	\$5,150.57	\$4,775.05	\$36,817.12	1.37

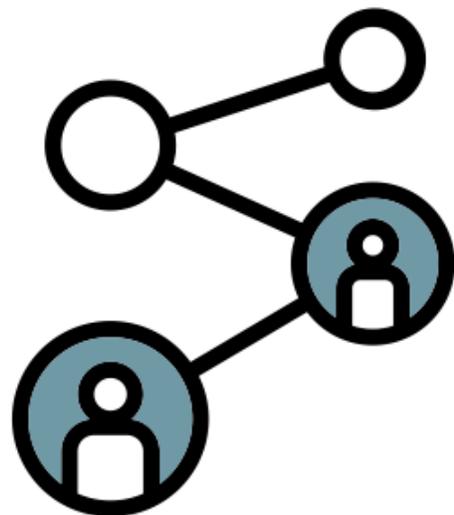
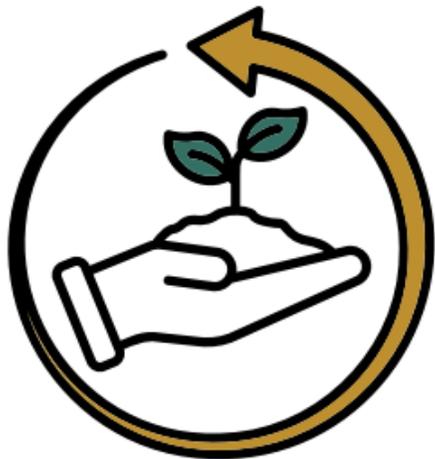
Input-Output Results Current Conditions + Additional Days

Economic impact	Direct effects	Indirect effects	Induced effects	Total effects	Type SAM multiplier
Total output	\$124,197.69	\$33,429.57	\$22,243.45	\$179,870.70	1.45
Total employment	1.38	0.21	0.14	1.74	1.26
Total labor income	\$42,003.05	\$7,262.34	\$5,840.29	\$55,105.68	1.31
Value added	\$69,063.85	\$13,211.31	\$12,324.21	\$94,599.36	1.37



USDA Regional Food Business Centers Geographic Regions





The NW and Rocky Mountain Food Business Center will provide foundational business development support for small and mid-sized food and agriculture businesses participating in local and regional food sectors, focusing on these four high priority areas:

1. Supporting **animal protein supply chains** that respond more nimbly to changes in demand or supply
2. Assisting **food entrepreneurs** in successfully entering local, regional or national markets
3. Expanding and diversifying markets for **climate resilient agricultural** products
4. Supporting **right-sized, appropriately targeted investment** in food value chain infrastructure to enhance business success and long-term viability

ACTIVITIES

Coordination

- ◆ Cultivate and coordinate partnerships across diverse organizations and regional initiatives
- ◆ Serve as a state/regional resource and capacity building hub for federal grants and programs

Technical Assistance

- ◆ Engage TA providers to support thematic needs and business development programs
- ◆ Support diverse activities and outcomes with emphasis on value chain and coordination, scaling up small/mid-tier operations and one-on-one assistance

Capacity Building

- ◆ Implement Business Builder Awards to build capacity among under-invested operations
- ◆ Expand supply chain professional development and strategy for thematic and regional market leaders

COLORADO COLLISION

FOOD PITCH COMPETITION & HAPPY HOUR



COLORADO STATE UNIVERSITY



NOV
15

November 15 - November 16

Farm and Food Symposium 2023

CenterPlace Regional Event Center
2426 North Discovery Place, Spokane Valley



DEC
7

December 7 - December 8

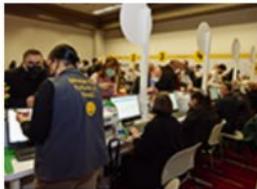
Colorado Food Summit

Stockyard Events Center 5004 National Western Dr, Denver



2024 Winter Fancy Food Show

We're headed back to Las Vegas in 2024 for the 48th Winter Fancy Food Show! Join us Sunday, January 21, Monday, January 22, and Tuesday, January 23 at the Las Vegas Convention Center West Hall to discover new products, network with industry's best and brightest, learn about innovations and trends, and get business done! Mark your calendar and join thousands of your industry peers for the 2024 Winter Fancy Food Show.



MOUNTAIN MEAT SUMMIT



MAY 21-23

2024

PRAY, MONTANA



NEXT STEPS

- Get Connected!
 - Sign up for email communications: <https://col.st/u6pAT>
 - Colorado Food Summit in December at SPUR
 - <https://nwrockymountainregionalfoodbusiness.com/event/colorado-food-summit/>
 - Bookmark our website:
<https://nwrockymountainregionalfoodbusiness.com/>
 - Connect us with who you think needs to help us set priorities, engagement project, direct initiatives and invest resources.
 - Colorado - Libby Christensen at libby.christensen@colostate.edu
 - Program - Martha Sullins at martha.sullins@colostate.edu
 - Regionwide - Dawn Thilmany at dawn.thilmany@colostate.edu

