

Business Asset and Leakage Study

Detailed Results

June 12, 2007

Bureau of Business and Economic Research

And

UNM – Taos

Background Information

- Funded by the Town of Taos through a state appropriation
- Undertaken by UNM-BBER and UNM-Taos
- Also hope to develop expertise at UNM-Taos for future research and analysis

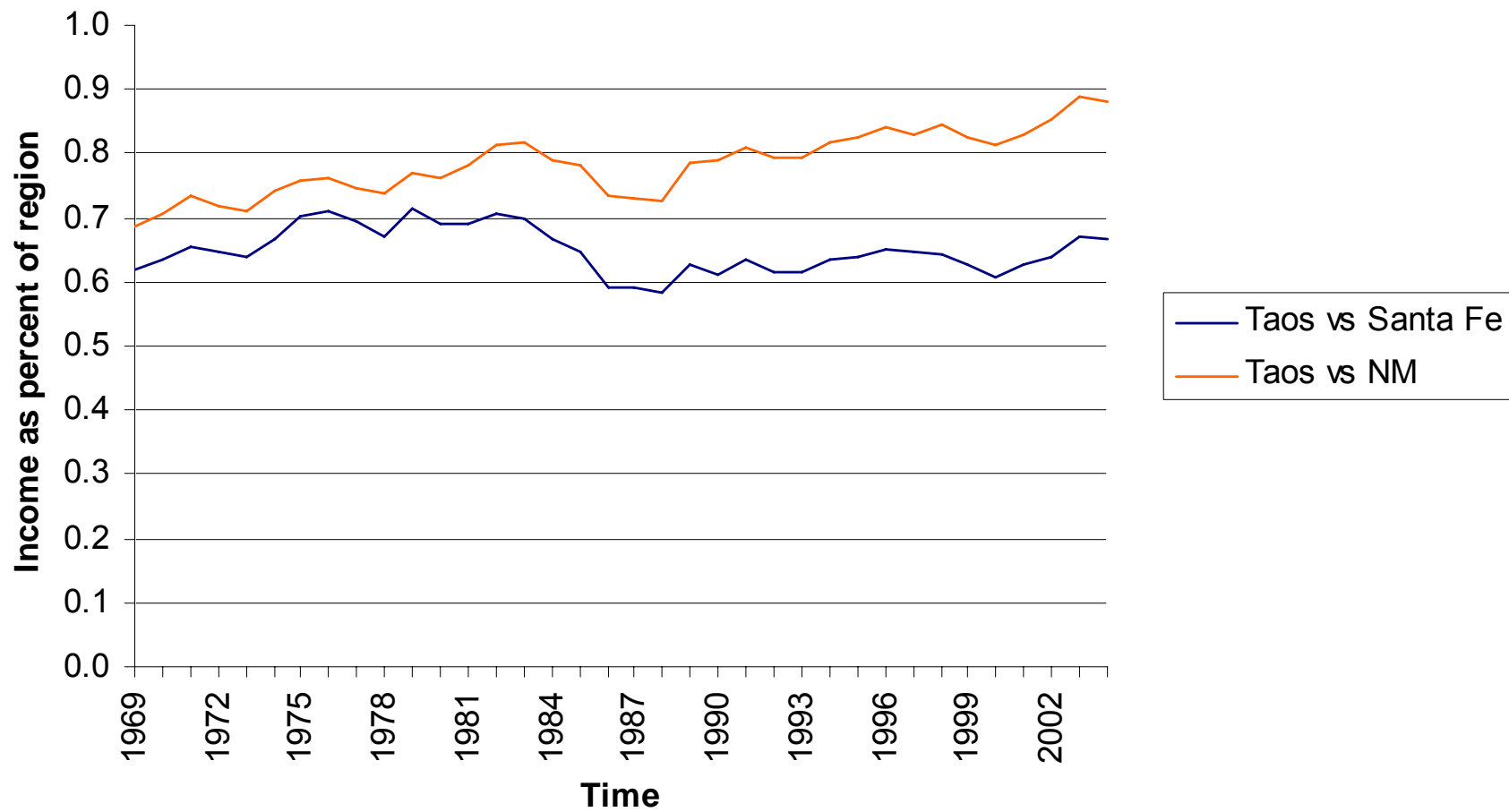
Topics

- Business Assets
- Leakage Estimates
- Tourism Factors
- Special Industry Detail

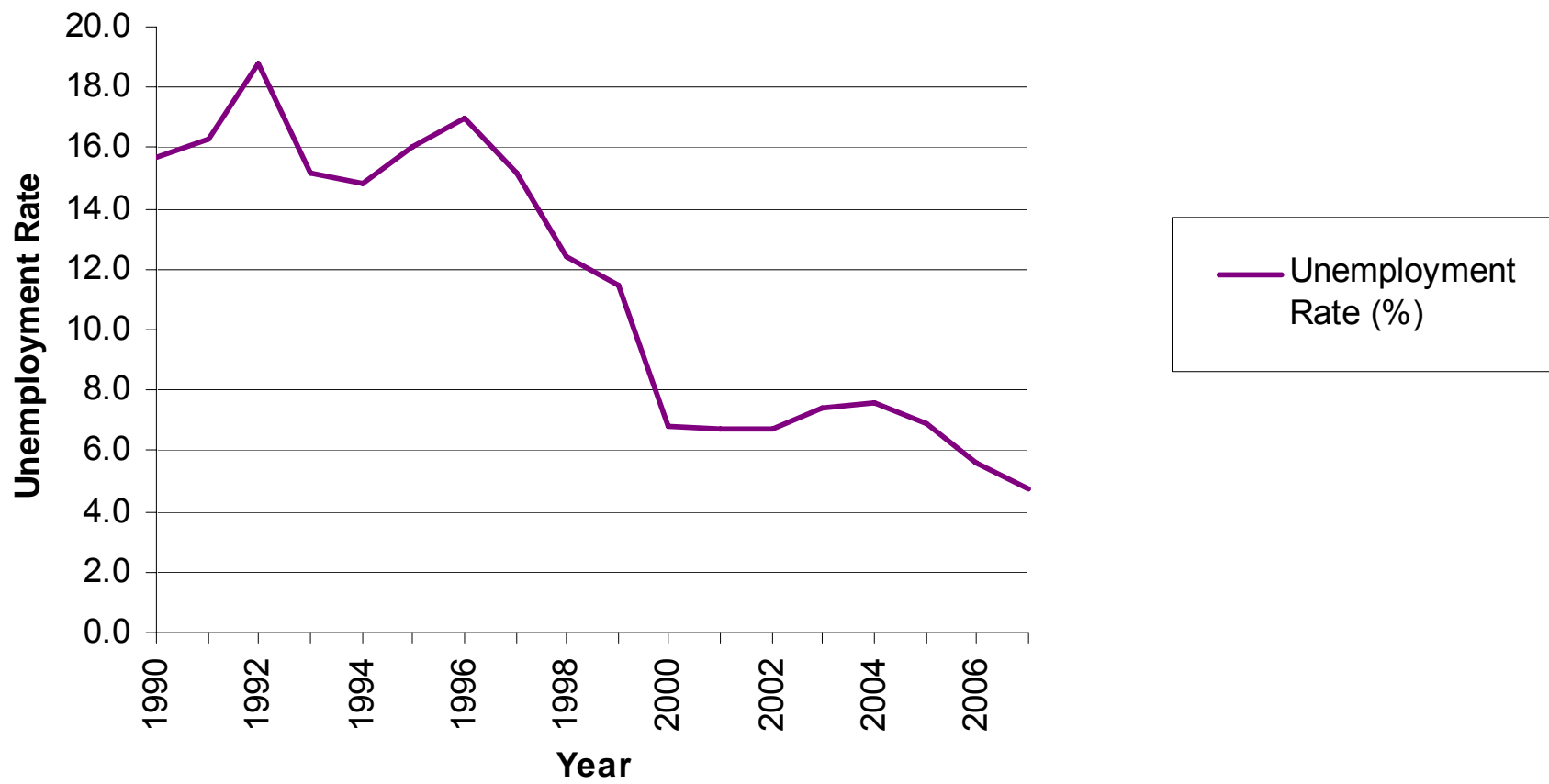
Taos Region

- Unemployment is low
- Income has been increasing relative to New Mexico and Santa Fe, though slowly. While this is at least partially due to immigration of wealthy residents, Taos is gaining on Santa Fe, a city also experiencing a strong influx of wealthy residents

Taos Relative Income



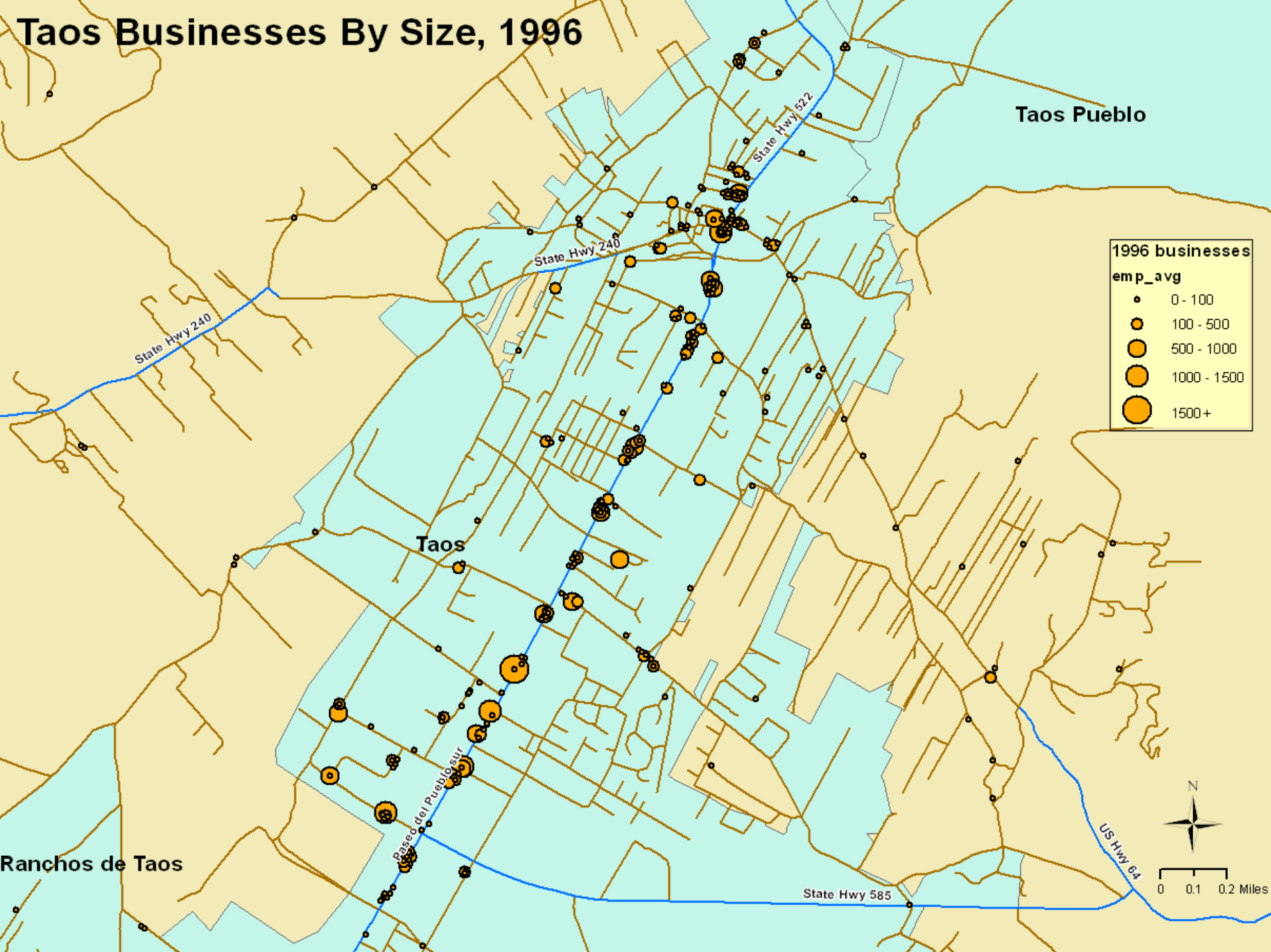
Unemployment 1990-2007q1



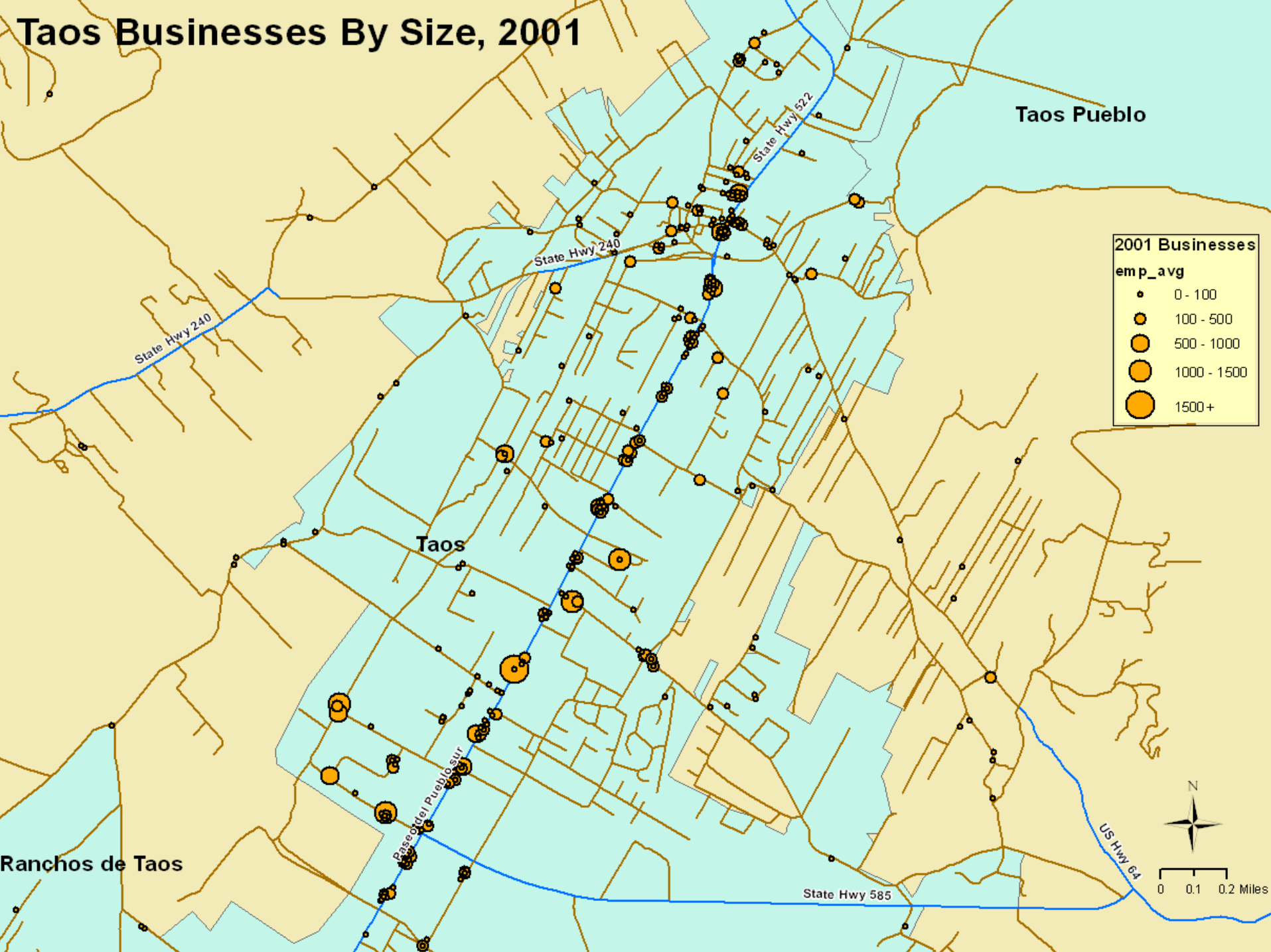
What is a Business Asset?

- Industry clusters
- Surplus skilled labor
- Inexpensive access to land and/or equipment
- Favorable legislation

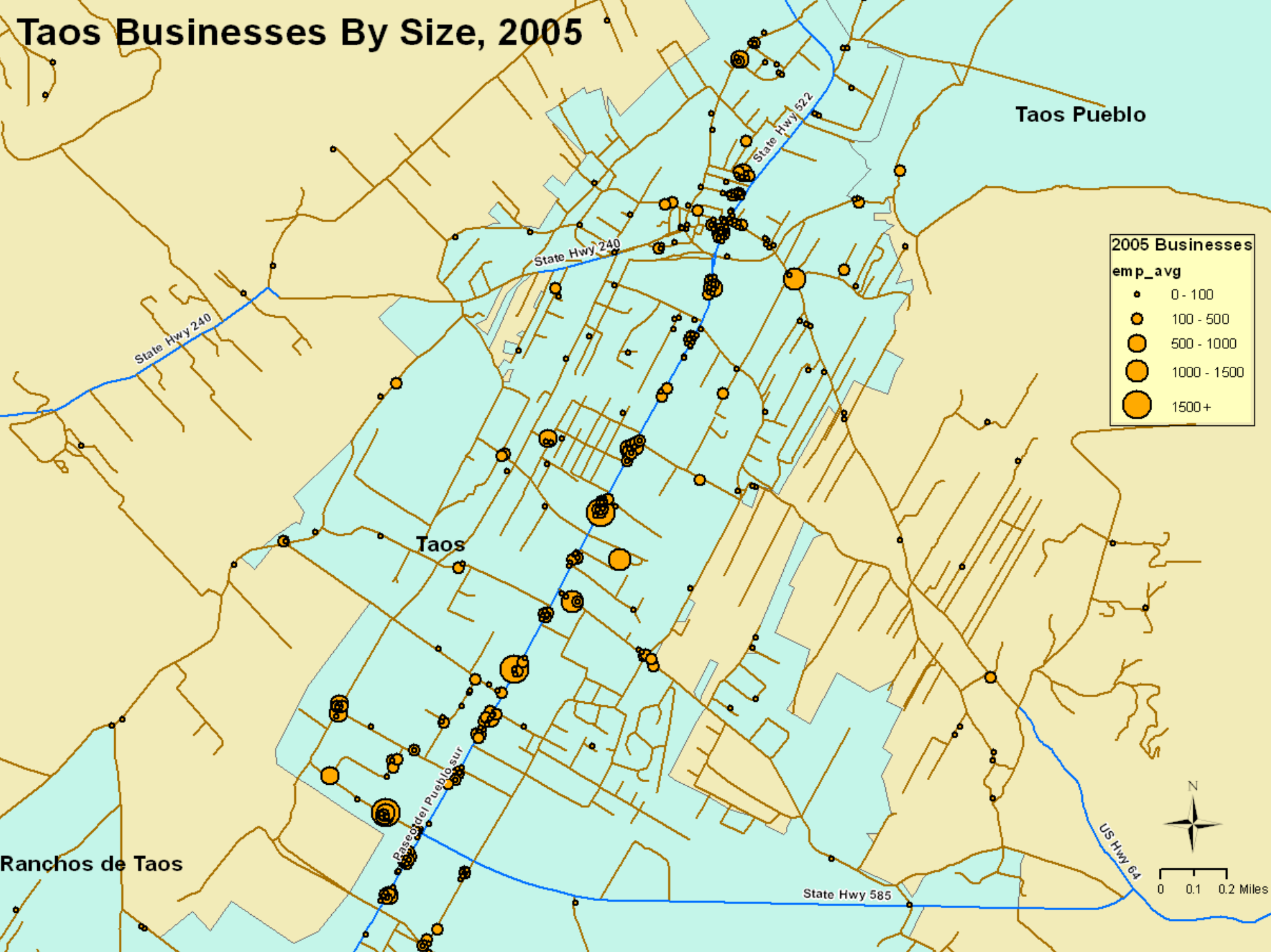
Taos Businesses By Size, 1996



Taos Businesses By Size, 2001



Taos Businesses By Size, 2005



2005 Businesses

emp_avg

- 0 - 100
- 100 - 500
- 500 - 1000
- 1000 - 1500
- 1500+

N

0 0.1 0.2 Miles

Business Regions

- The maps indicate fairly strong growth in the region close to Paseo del Pueblo Sur north and west of the bypass intersection.
- The availability of land suggests that this region and the region along Paseo del Pueblo Sur South of Taos is likely to see continued growth.
- The downtown area of Taos is saturated, so new businesses must replace old ones.

Industry Clusters

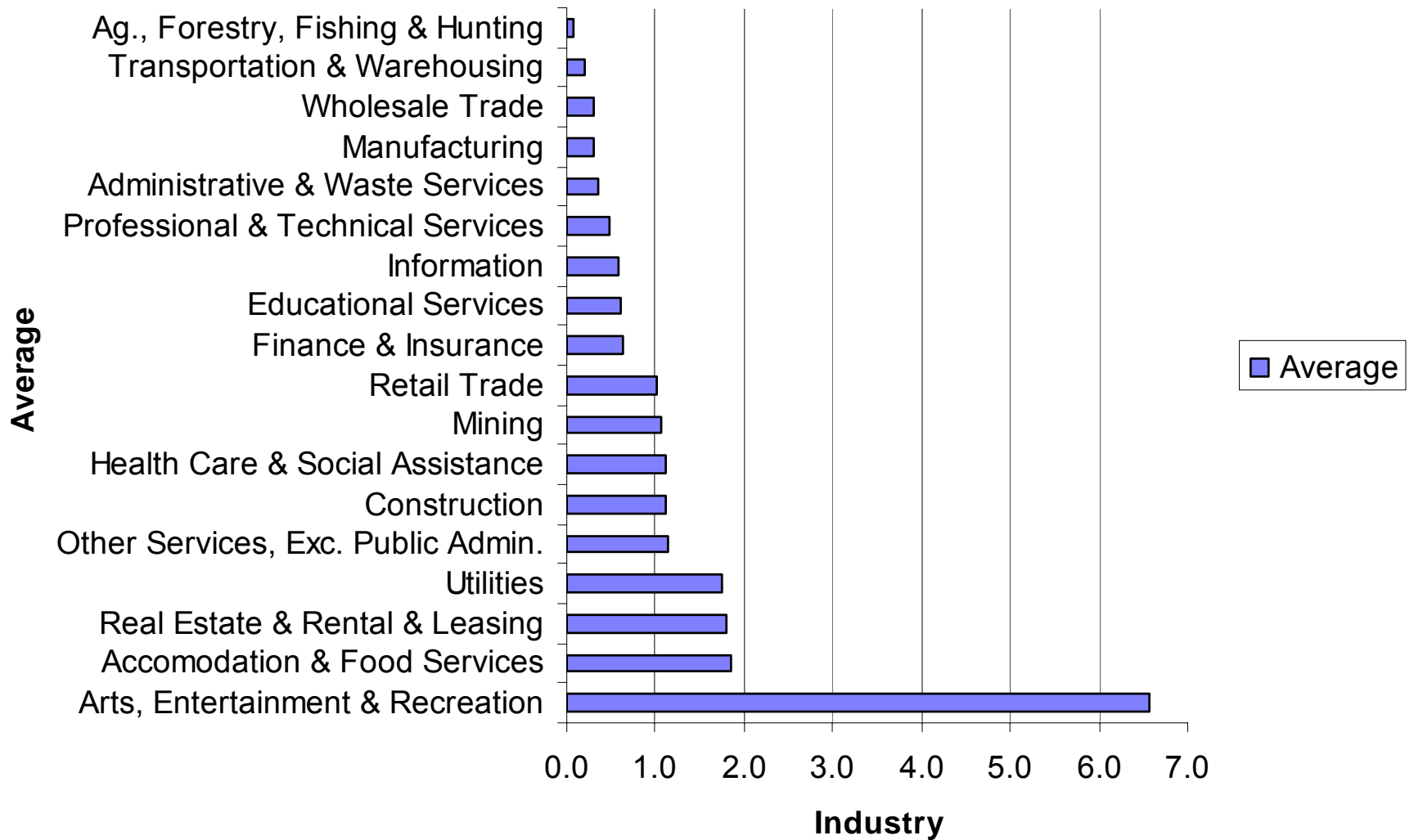
- **Location Quotients** – Measure the concentration of an industry relative to New Mexico's industry concentration. A number above one indicates a self-sufficient and exporting industry.
- **Multipliers** – Indicate the contribution of the industry to the local economy in terms of additional economic activity due to purchases and employee wages.

Location Quotients

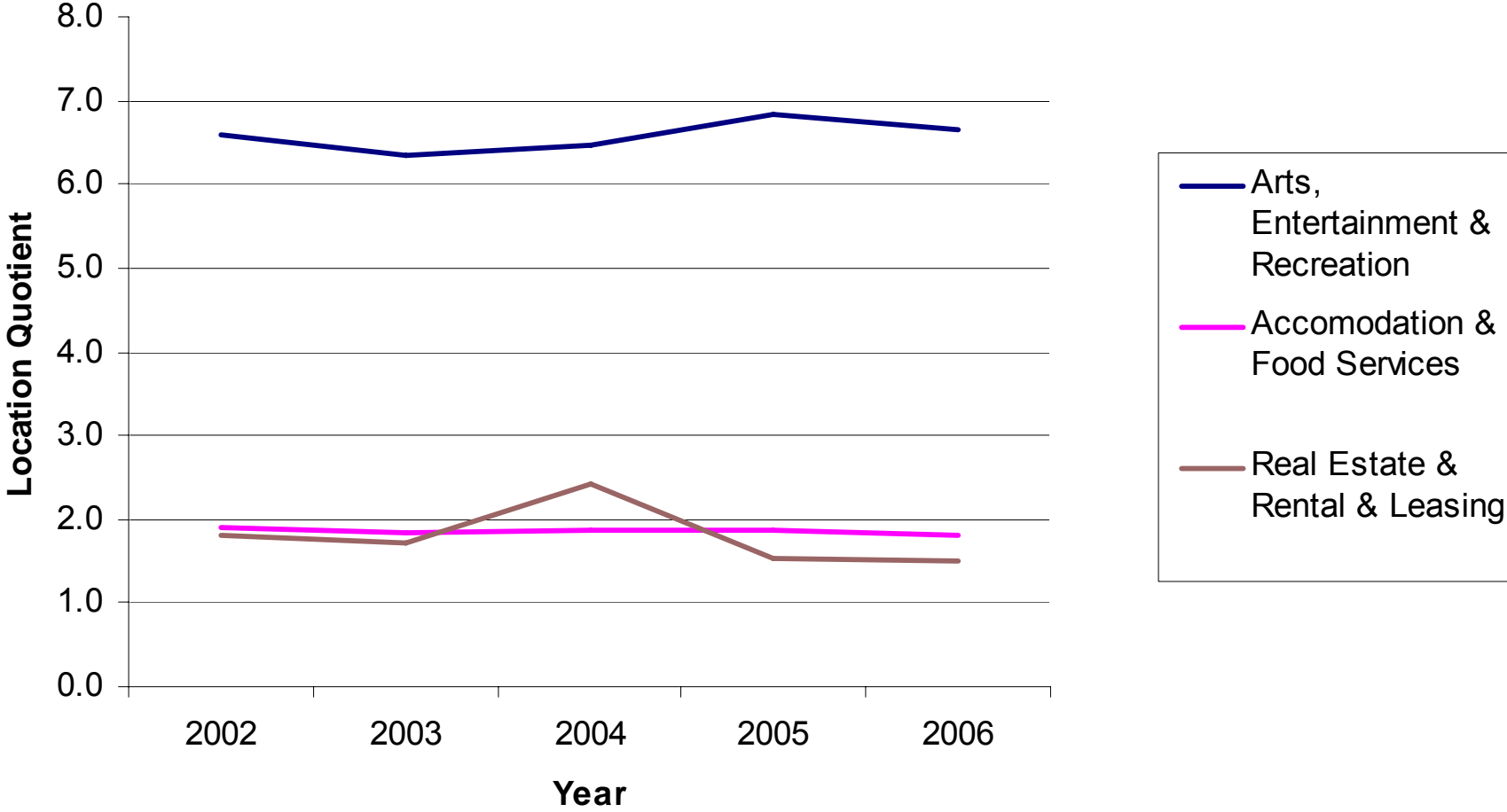
Measure industry concentration

$$\frac{(\text{Emp}(i)_{\text{Taos}} / \text{Emp}(t)_{\text{Taos}})}{(\text{Emp}(i)_{\text{NM}} / \text{Emp}(t)_{\text{NM}})}$$

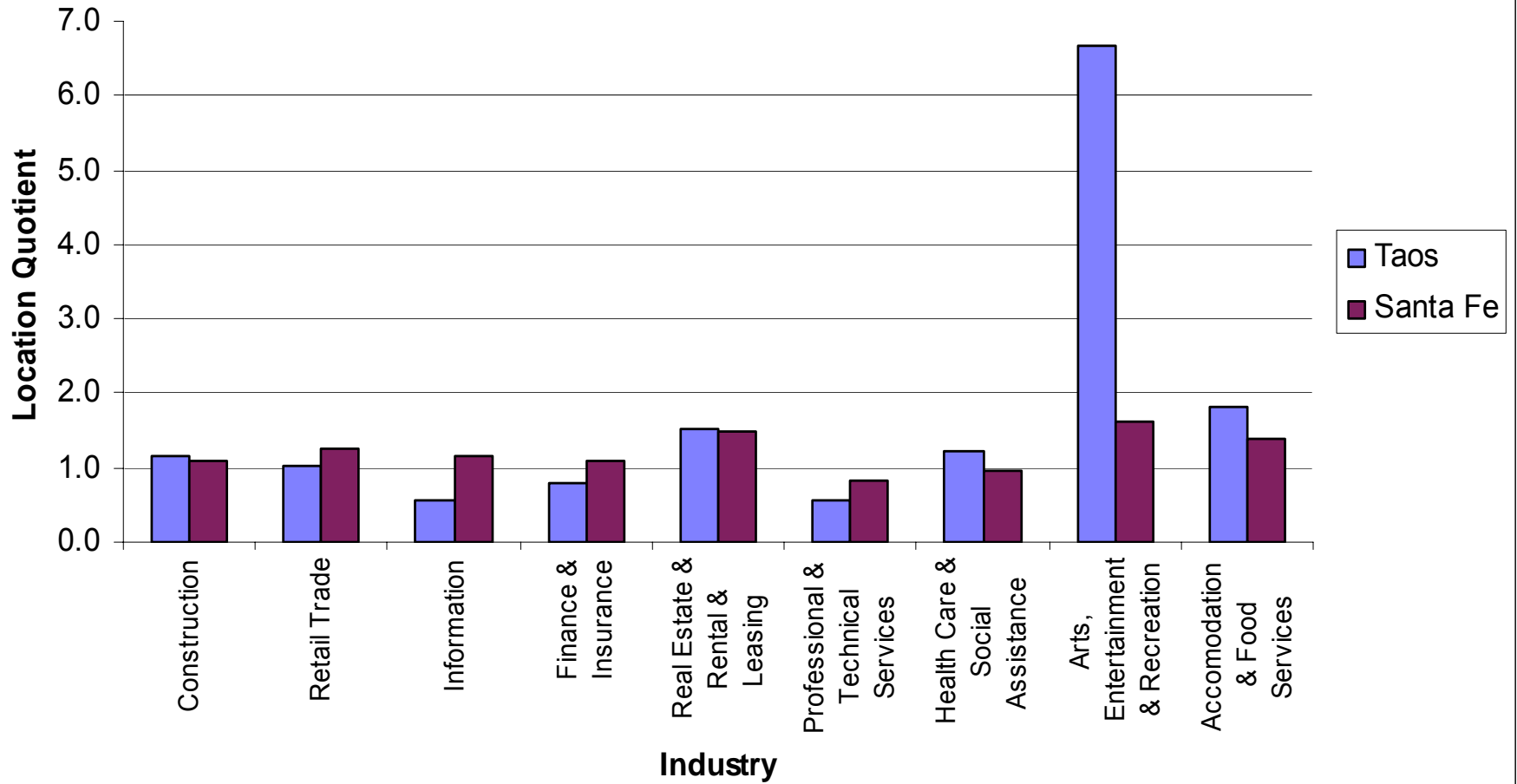
Average Location Quotient (2002-2006)



Three Strongest Industries



Taos and Santa Fe 2006 LQ



Art Dealer Location Quotients

	1996	2001	2006
Taos	10.77	12.65	7.77
Santa Fe	5.89	7.32	8.09

Industries With Improvement Potential

- Those with Location Quotients less than 1
 - Transportation and Warehousing is difficult to increase because Taos is not a large regional transportation center.
 - Similarly, though Taos is a regional center for north-central New Mexico, wholesale will also be difficult.
 - Professional and Technical Services has potential, as it is always needed locally and is increasingly possible to export.
 - The Information, Finance, and Educational Services sectors also have potential as growth industries.

Industry Multipliers

- Estimate of the total increase caused by a one unit increase in output, employment or labor income
- For example, an employment multiplier of 2.3 means that for every 1 jobs in this industry, a total of 2.3 jobs are created

Top 10 by Output

	Output	Employment	Labor Income
Motion picture and video	2.129	2.432	2.789
Social organizations	2.118	1.293	4.918
Radio and television broadcasting	2.085	3.226	3.385
Social advocacy	1.875	1.331	3.138
Museums and historical sites	1.836	1.794	1.800
Elementary and secondary schools	1.794	1.274	1.859
Performing arts companies	1.722	1.184	1.928
Cattle ranching and farming	1.718	1.464	2.888
Musical instrument manufacturing	1.706	1.932	1.903

Top 10 by Employment

	Output	Employment	Labor Income
Other professional and tech	1.335	3.642	1.380
Radio and television broadcasting	2.085	3.226	3.385
Religious organizations	1.341	2.896	1.345
Pipeline transportation	1.287	2.695	1.689
Toilet preparation manufacturing	1.289	2.589	1.691
Information services	1.434	2.469	1.751
Automotive rental and lease	1.461	2.463	1.505
Motion picture and video	2.129	2.432	2.789
Adhesive manufacturing	1.257	2.314	1.632
Air transportation	1.401	2.233	1.526

Top 10 by Labor Income

	Output	Employment	Labor Income
State and local gov. transit	1.673	1.527	5.814
Social organizations	2.118	1.293	4.918
Funds and trusts	1.450	2.226	4.005
Poultry processing	1.561	1.783	3.621
Radio and television broadcasting	2.085	3.226	3.385
Social advocacy	1.875	1.331	3.138
Cattle ranching and farming	1.718	1.464	2.888
Motion picture and video	2.129	2.432	2.789
Misc textile mills	1.403	1.422	2.783
Non-cattle, non-poultry animal	1.391	1.148	2.708

Bottom 10 by Output

	Output	Employment	Labor Income
Sawmills	1.155	1.334	1.585
Household goods repair and maintenance	1.162	1.083	1.158
Fiber optic cable manufacturing	1.181	1.632	1.390
Support activities for other mining	1.193	1.277	1.238
Sheet metal work manufacturing	1.202	1.243	1.684
Fiber- yarn- and thread mills	1.202	1.475	2.426
Power generation and supply	1.204	1.985	1.171
Drilling oil and gas wells	1.210	1.724	1.222
Sound recording industries	1.228	1.857	1.198
Confectionery manufacturing	1.234	1.742	2.052

Bottom 10 by Employment

	Output	Employment	Labor Income
Nonstore retailers	1.285	1.071	1.239
Household goods repair and maintenance	1.162	1.083	1.158
Commercial machinery repair and maintenance	1.282	1.093	1.270
Grain farming	1.420	1.101	1.540
Transit and ground passenger transportation	1.347	1.108	1.559
Sporting goods and hobby stores	1.454	1.144	1.507
Animal production- except cattle and poultry	1.391	1.148	2.708
Independent artists and performers	1.279	1.156	2.216
Miscellaneous store retailers	1.442	1.159	1.349
Home health care services	1.443	1.160	1.452

Bottom 10 by Labor Income

	Output	Employment	Labor Income
Household goods repair and maintenance	1.162	1.083	1.158
Power generation and supply	1.204	1.985	1.171
Sound recording industries	1.228	1.857	1.198
State and local government utilities	1.264	1.929	1.215
Monetary authorities and depository credit	1.284	1.696	1.220
Drilling oil and gas wells	1.210	1.724	1.222
Support activities for other mining	1.193	1.277	1.238
Nonstore retailers	1.285	1.071	1.239
Real estate	1.283	1.442	1.240
Commercial machinery repair and maintenance	1.282	1.093	1.270

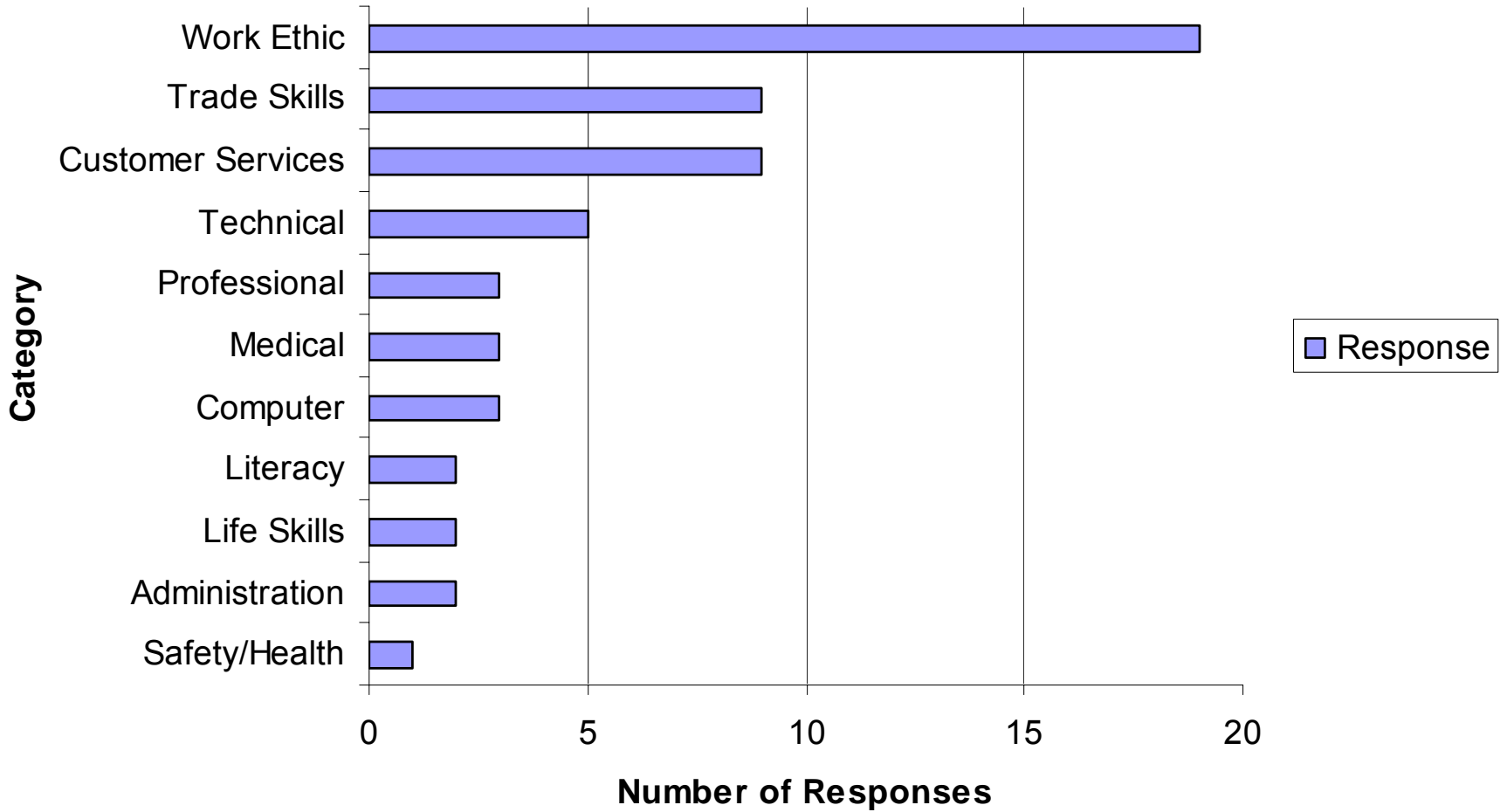
Court High Multiplier Industries

- **Motion Picture and Video** – Taos already has experience dealing with this industry, and New Mexico has very favorable policies.
- **Social Organizations** – Almost always funded by outside money and hire and work locally.
- **Cattle and Ranching** – Culturally satisfying and often dealing locally.
- **Museums and Performance Arts** – Mostly funded by outside money, enhance the cultural value and community cohesion of the Town.

Labor Needs and Training

- **Work Ethic** is most cited as an issue, but is tied to tensions between employers and employees, the culture of Taos, and low wages.
- **Trade Skills**, including mechanical, construction, welding, and other trades, are highly desired.
- **Customer Service** training is also highly desired, but again depends at least partially on how well workers are treated by employers, as well as cultural factors including a dislike of outsiders.
- **Technical and Professional Skills** such as computers, architecture, web design, and business are both desired by employers and lead to higher paying jobs and a more highly educated and powerful labor force.

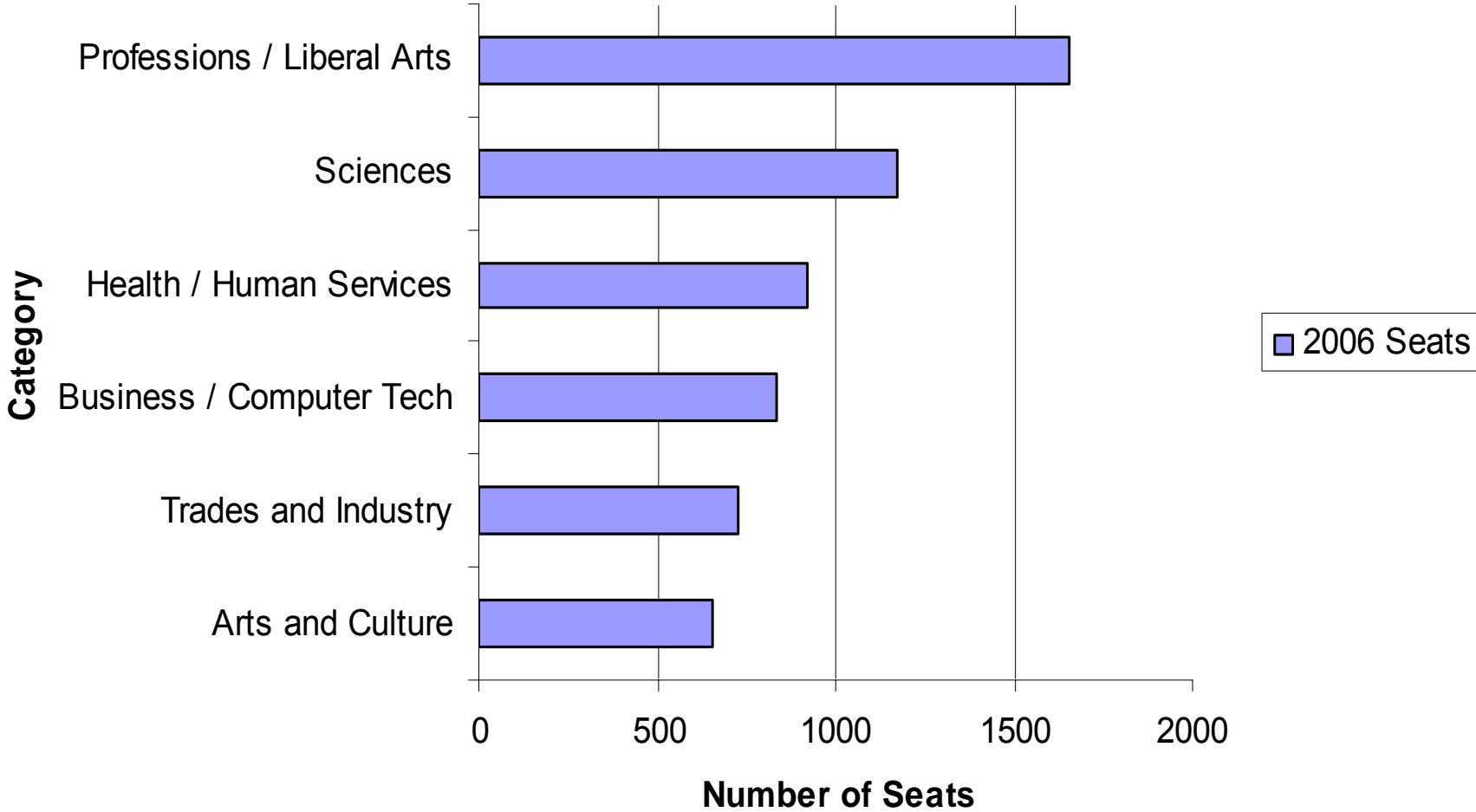
Needed Worker Skills (58 Responses)



Current Training

- High Schools face difficulty meeting new standards and restricted funds. Consequently, trade courses are often the first to go.
- UNM-Taos focuses on professional and liberal arts classes, but would like to increase courses in trade skills and computers if the demand is available.

UNM-Taos Seat Count



Access to Land and Equipment

- Real estate prices are very high
- Rent in business units, especially in prime locations, is very high. Probably not as high as in Santa Fe (\$25,000 per month)
- Absentee real estate owners with little interest in the Taos community

Legislation Environment

- Business community seems mixed on whether the town is business friendly
- Major complaints include a perceived disinterest in encouraging arts and an unwillingness to make the town cleaner
- Several business owners mentioned that they felt the town was doing better than it has in the past

Leakages

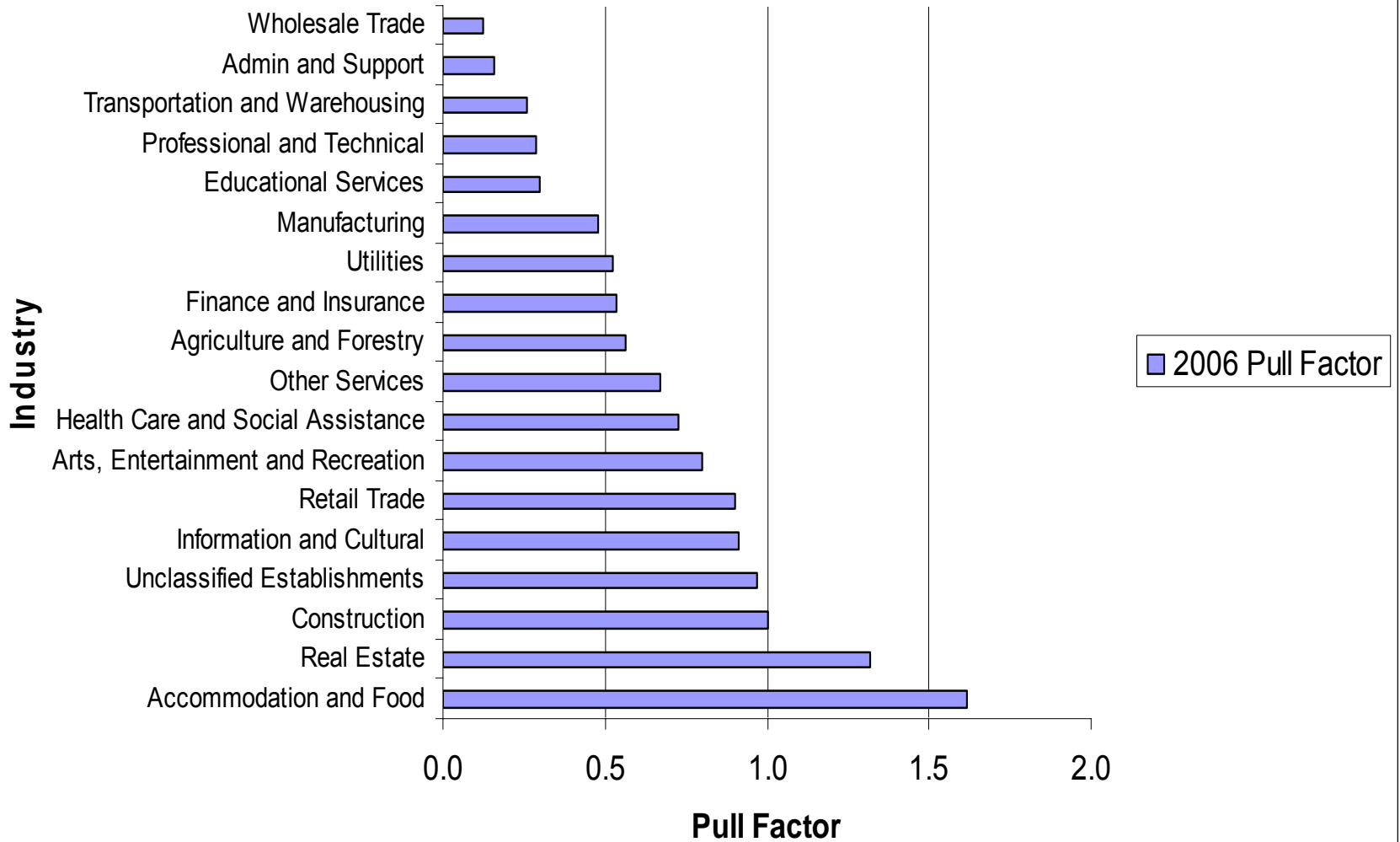
- Pull Factors
- Gross Receipts Data
- Self-Reported Business Spending
- Resident Survey

Pull Factors

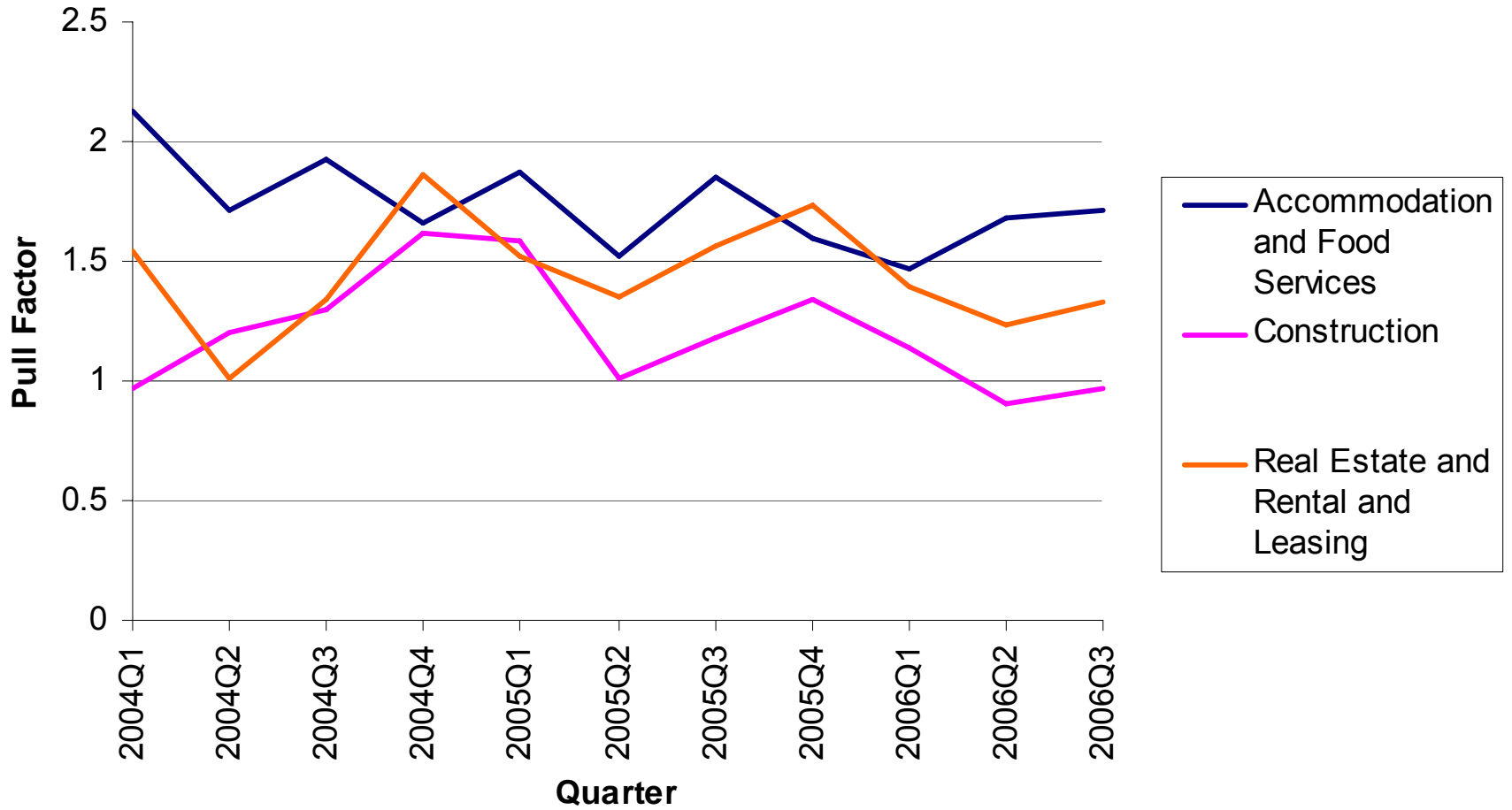
Measure of revenue flow. Values closer to one indicate industries in which Taos is more self-sufficient.

$$\frac{(\text{Sales}_{\text{Taos}}/\text{Population}_{\text{Taos}})}{(\text{Sales}_{\text{NM}}/\text{Population}_{\text{NM}})}$$

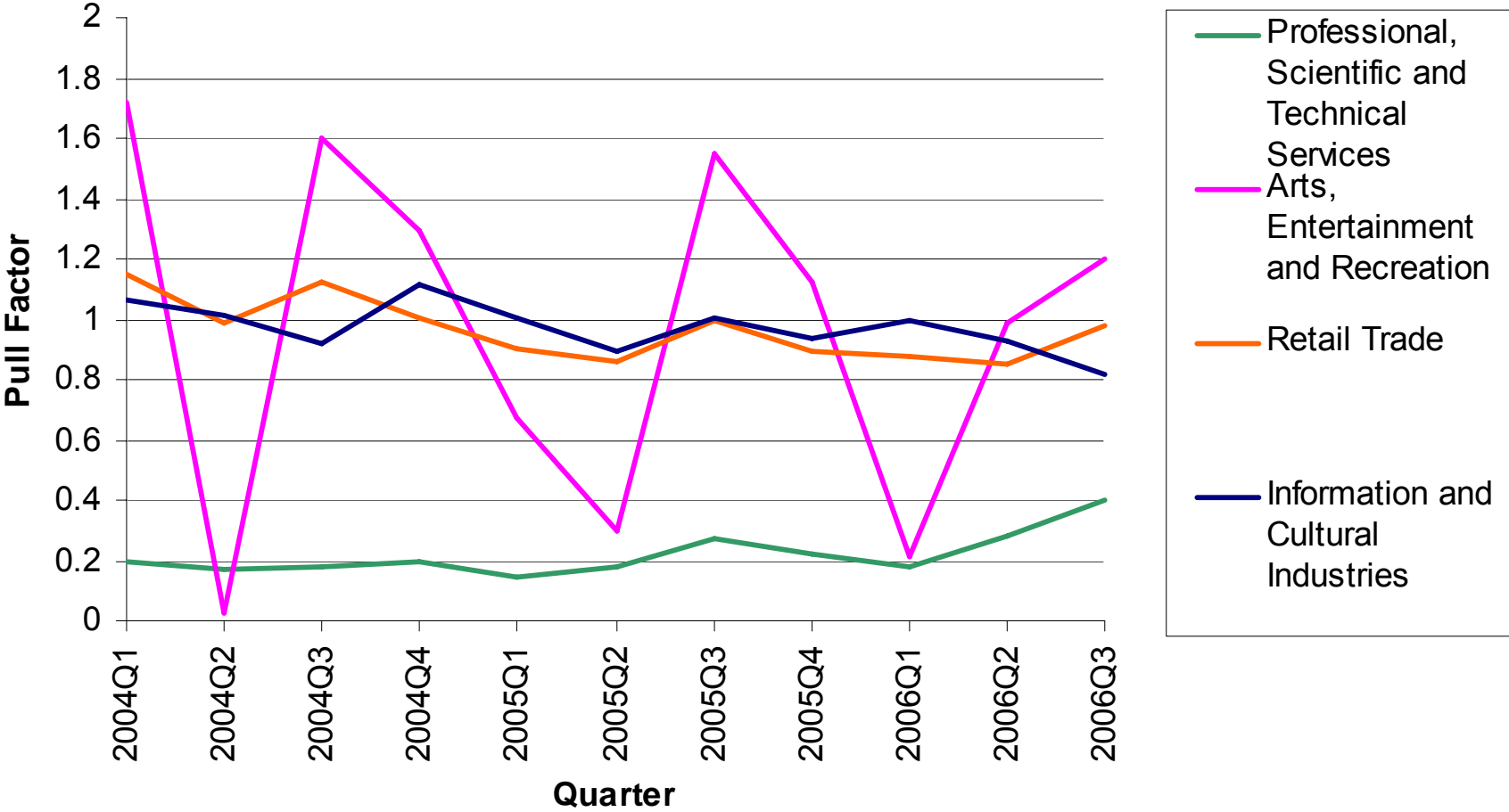
Industry Pull Factors, 2006



Three Strongest Industries



Industries of Interest



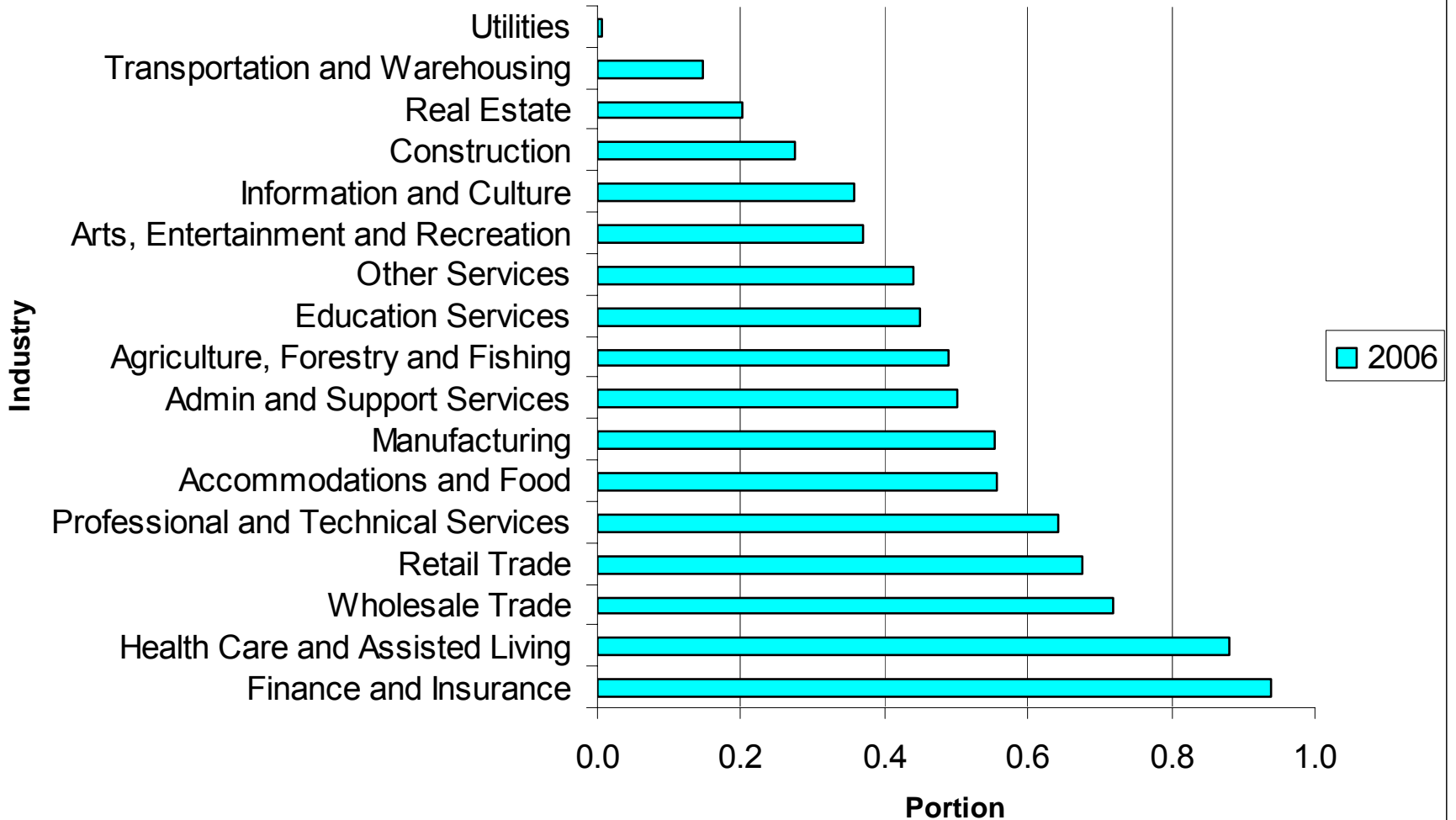
Industries with Potential

- Professional and Technical Services
- Health Care and Assistance
- Educational Services
- Finance and Insurance
- 1st and 2nd Quarter Arts and Recreation

Relative to the County Total

- Most construction, transportation, and real estate sales go to businesses outside of the Town of Taos.
- In contrast, most professional services, health care, retail trade and finance and insurance sales occur within the town borders.

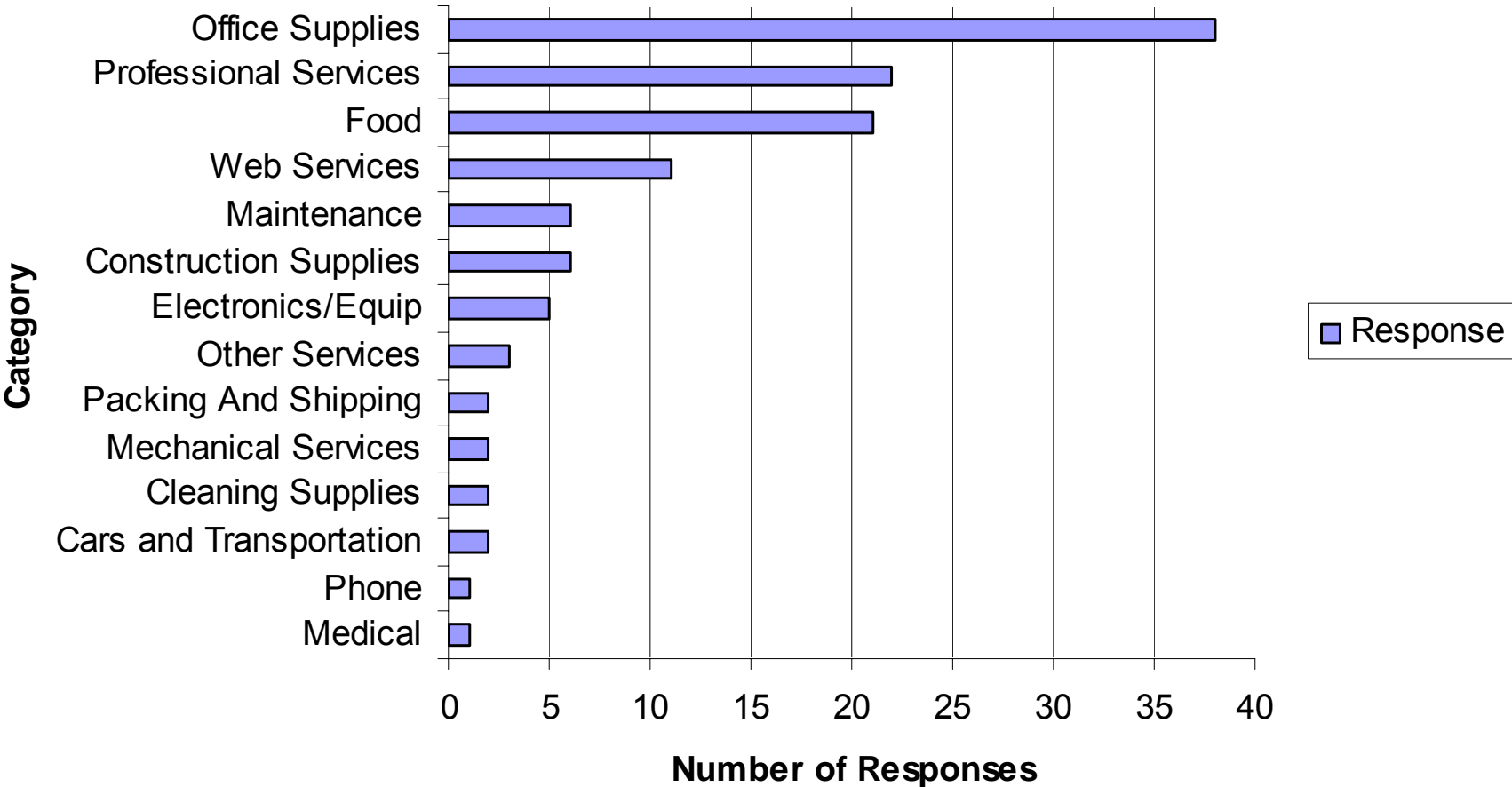
Taos Taxable Gross Receipts Relative to County



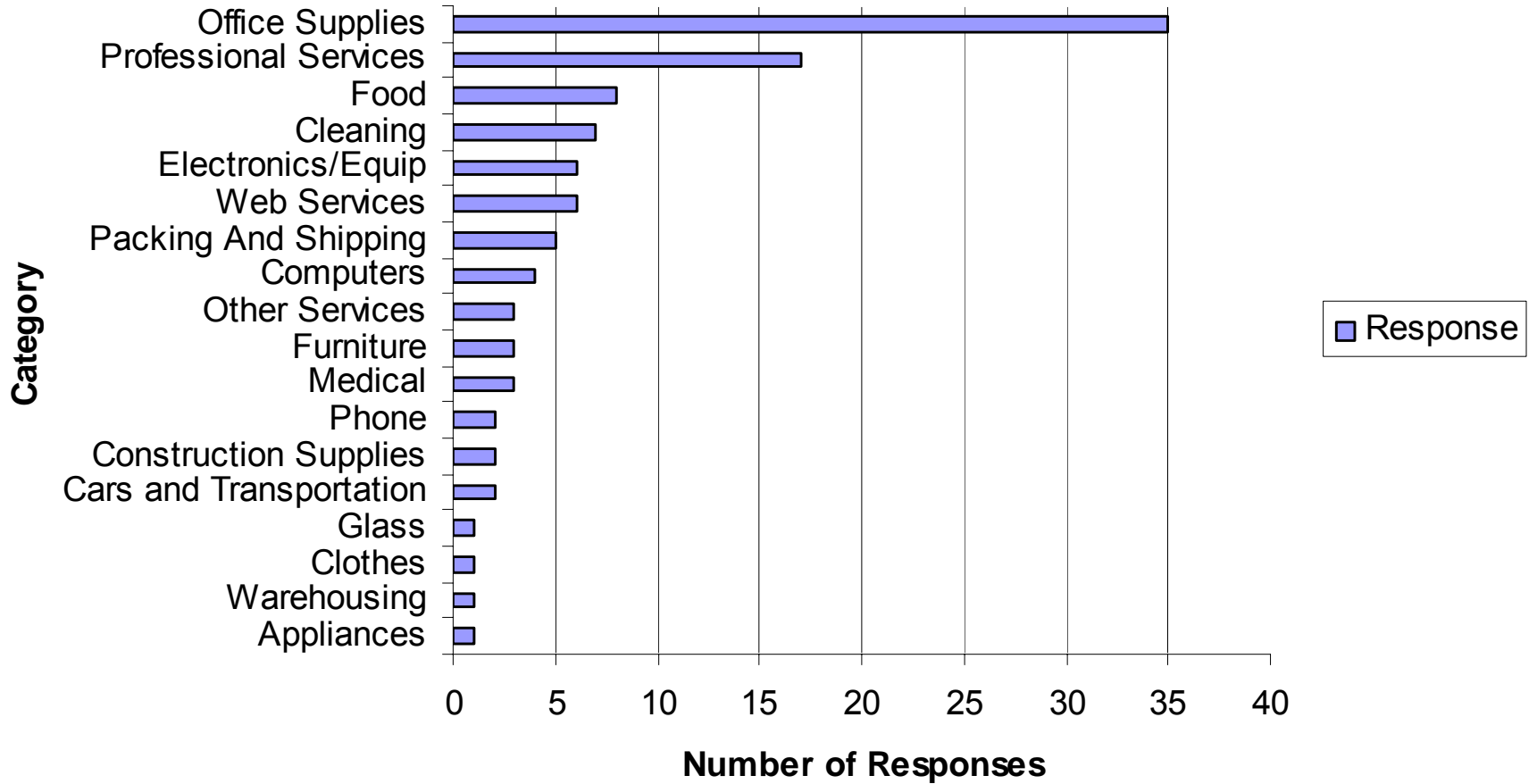
Self-Reported Business Leakages

- 46% of goods and services purchased locally
- One major reason cited for local purchases was encouraging reciprocity in business relationships

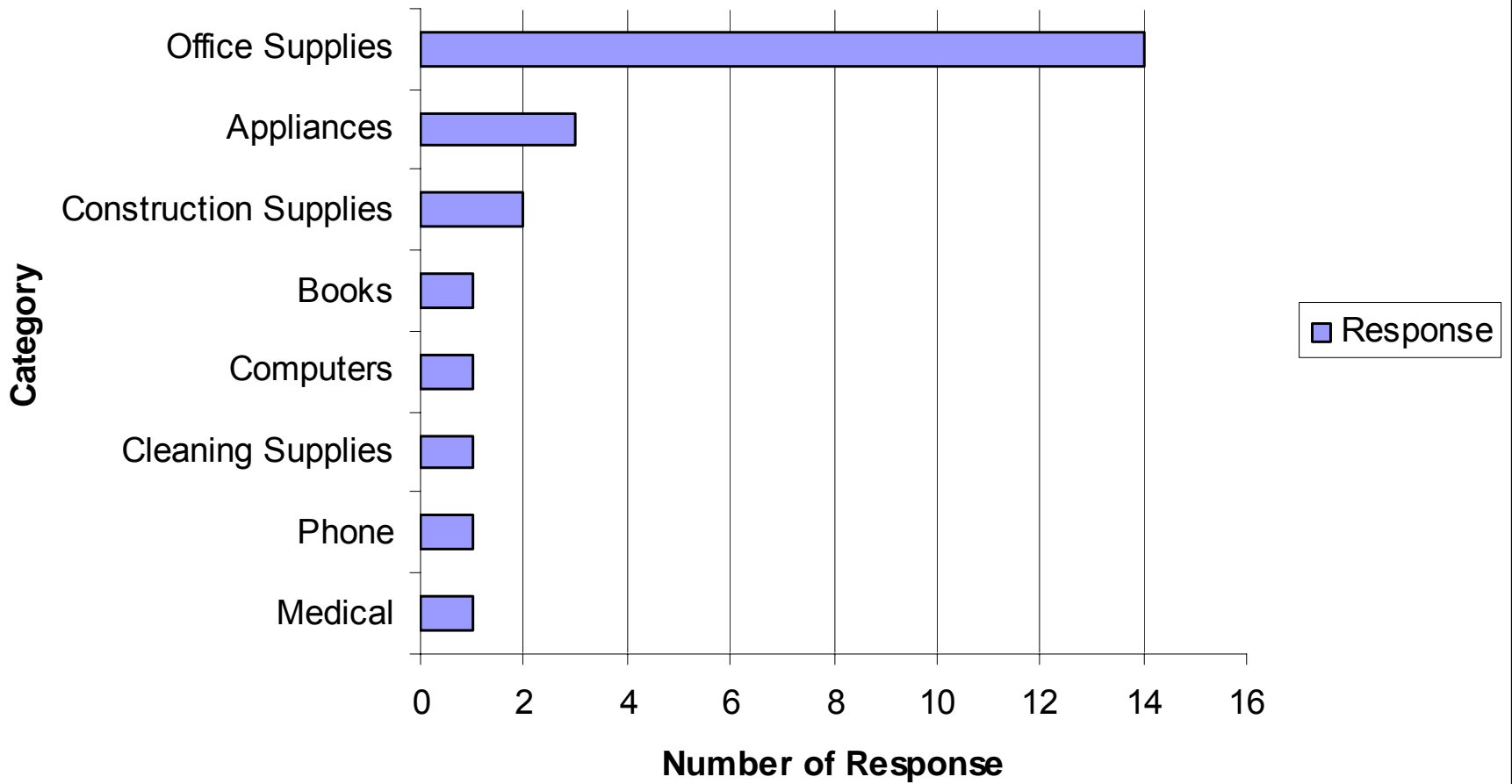
Local Purchases (122 Responses)



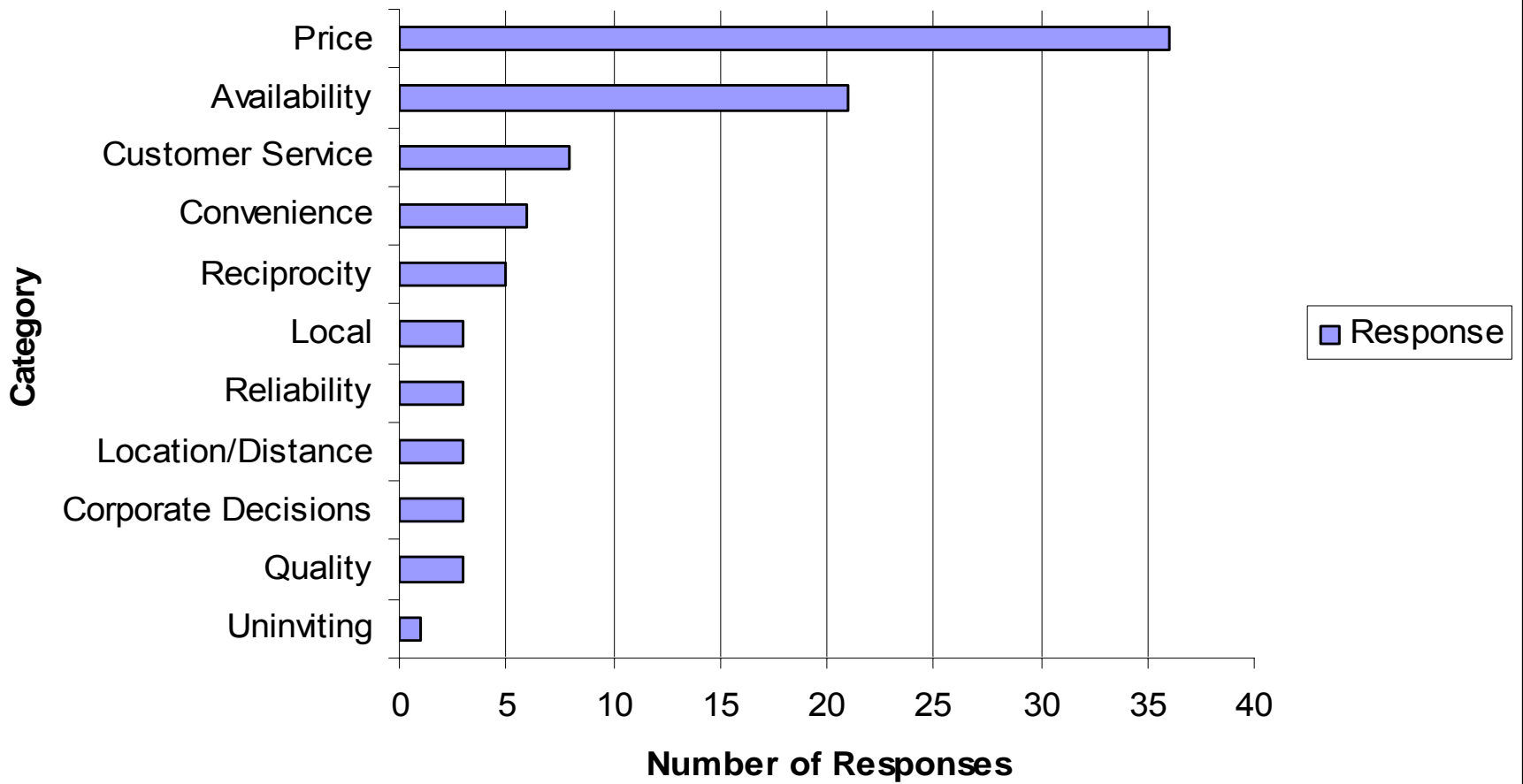
Nonlocal Purchases (107 Responses)



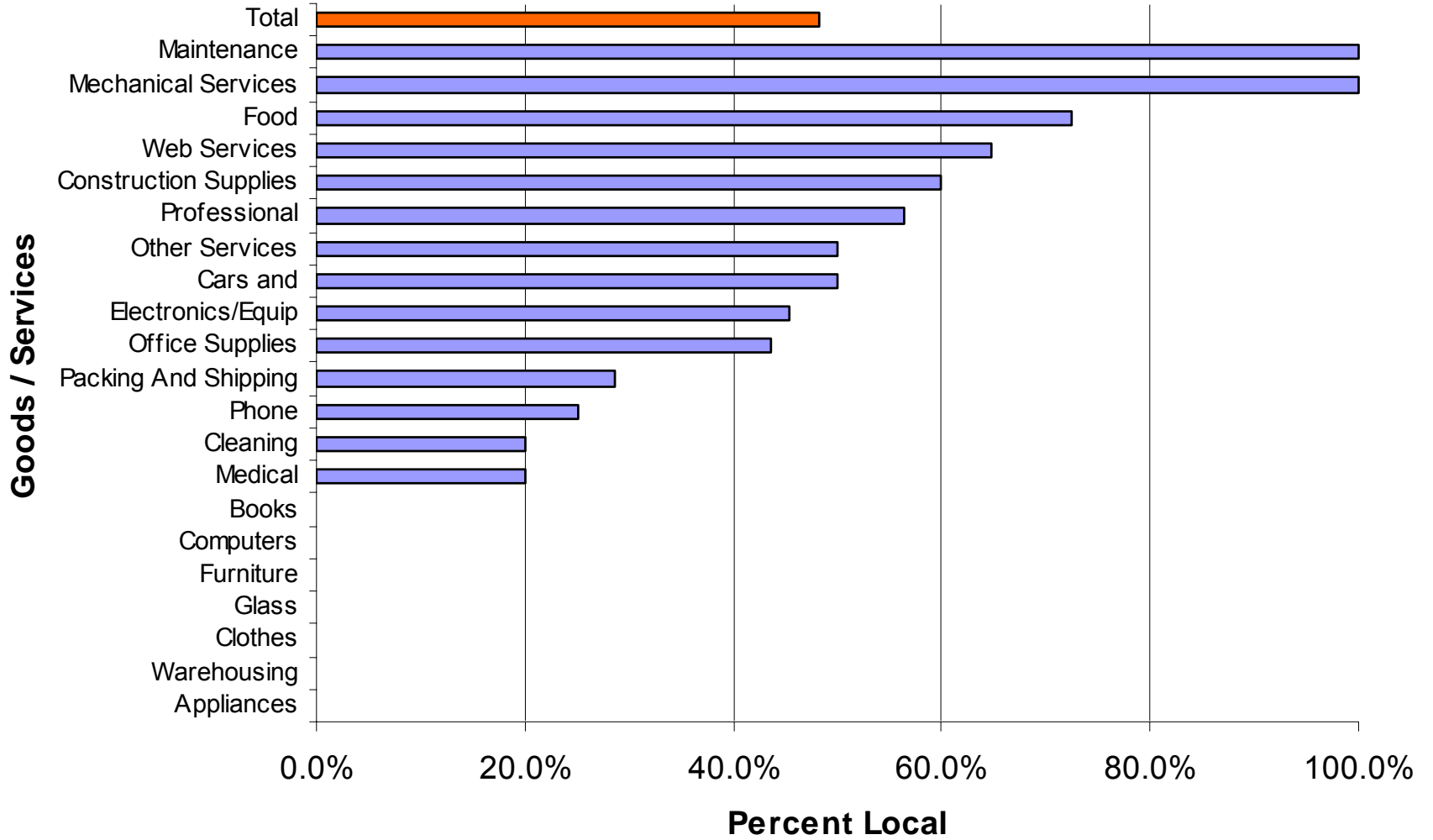
Internet Purchases (24 Responses)



Reasons for Nonlocal Purchases (92 Responses)



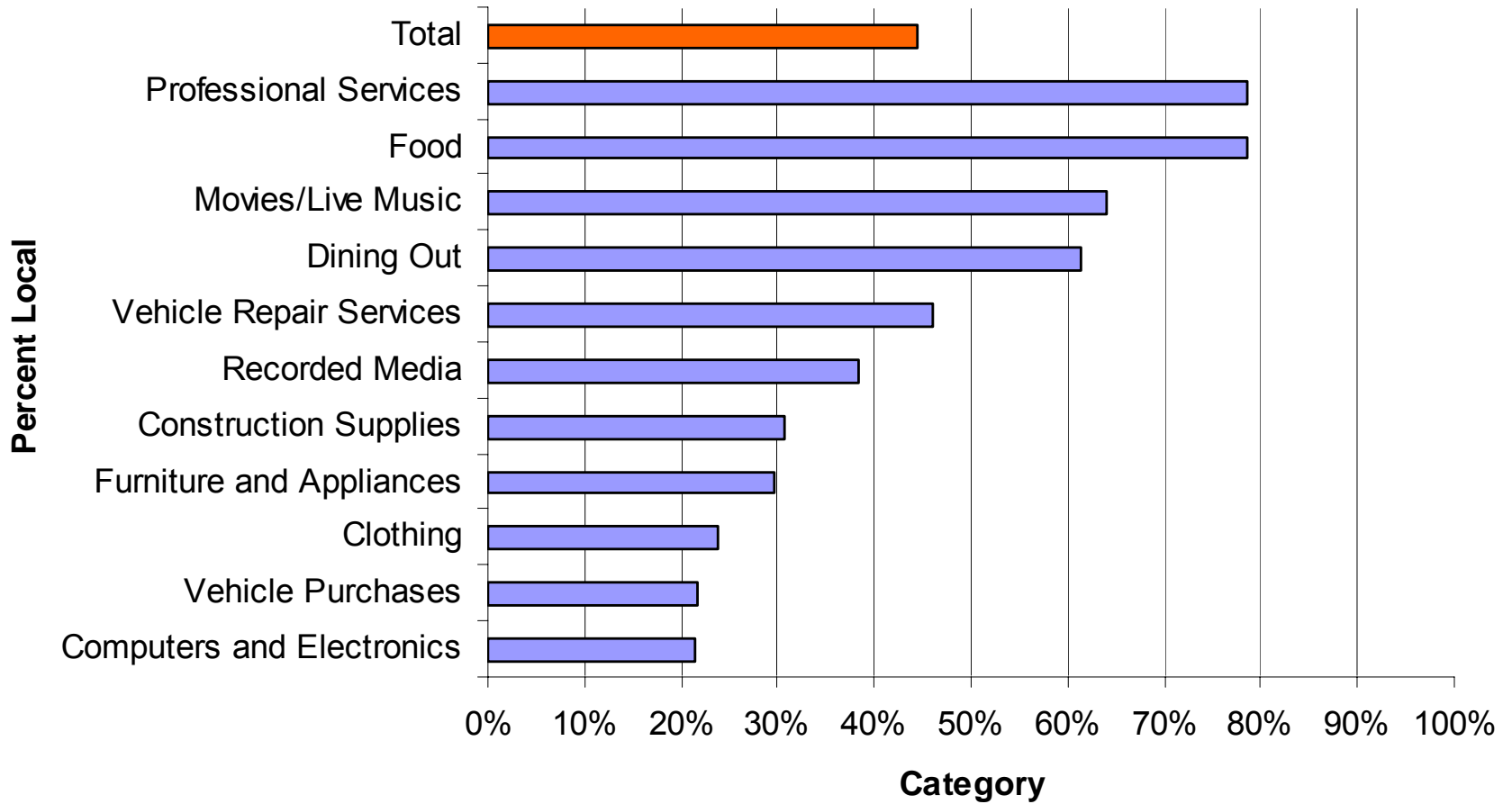
Estimated Local Purchases by Category



Resident Leakages

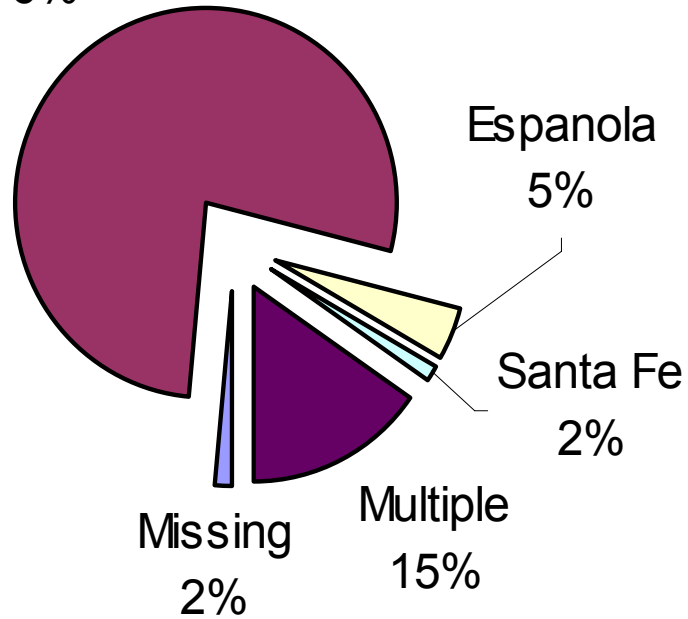
- 44.4% of all resident purchases are local, mostly related to food, live music and movies, dining, and professional services
- Furniture, construction supplies, clothes, and vehicles are most often purchased non-locally.

Local Resident Purchases

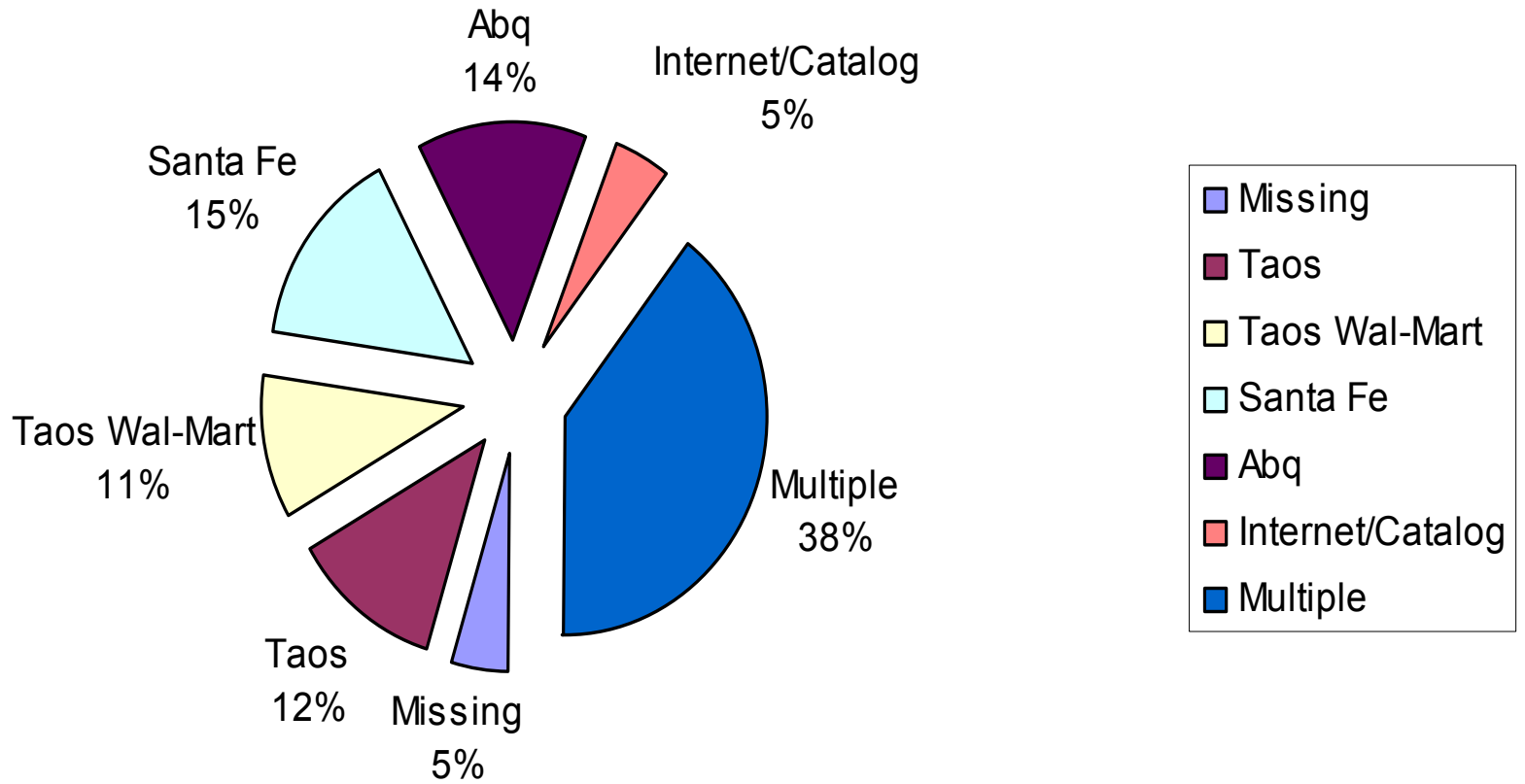


Food

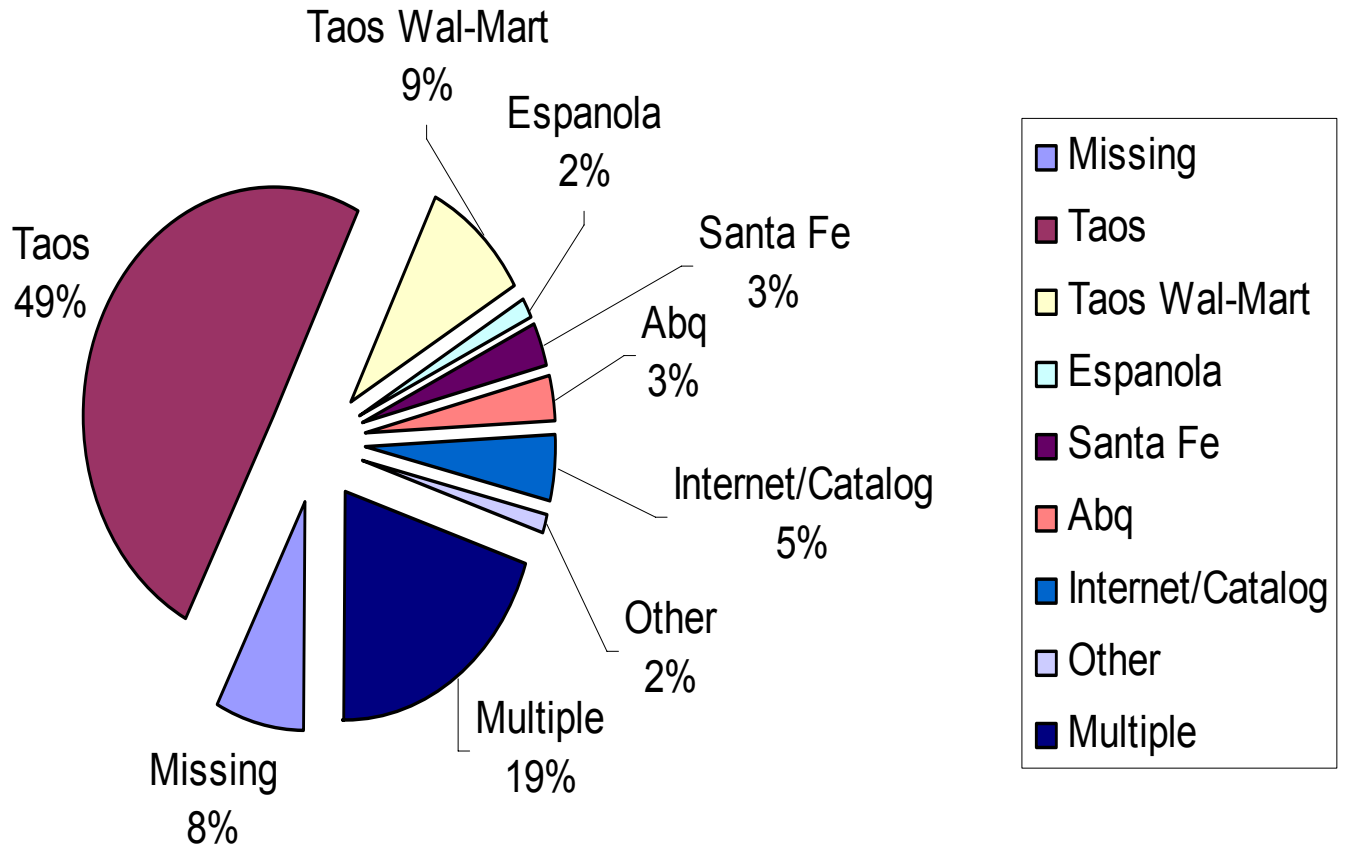
Taos
76%



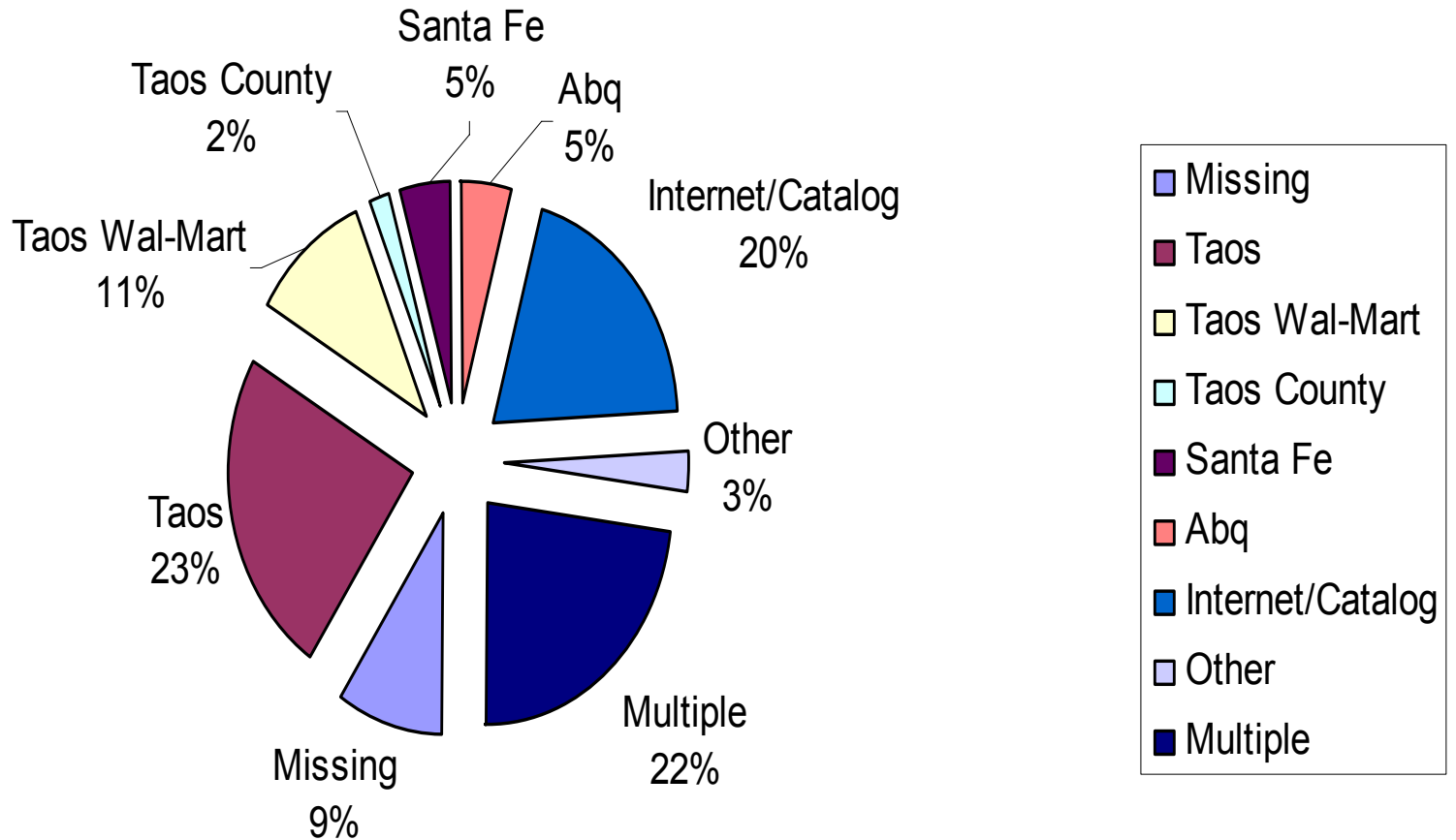
Clothing



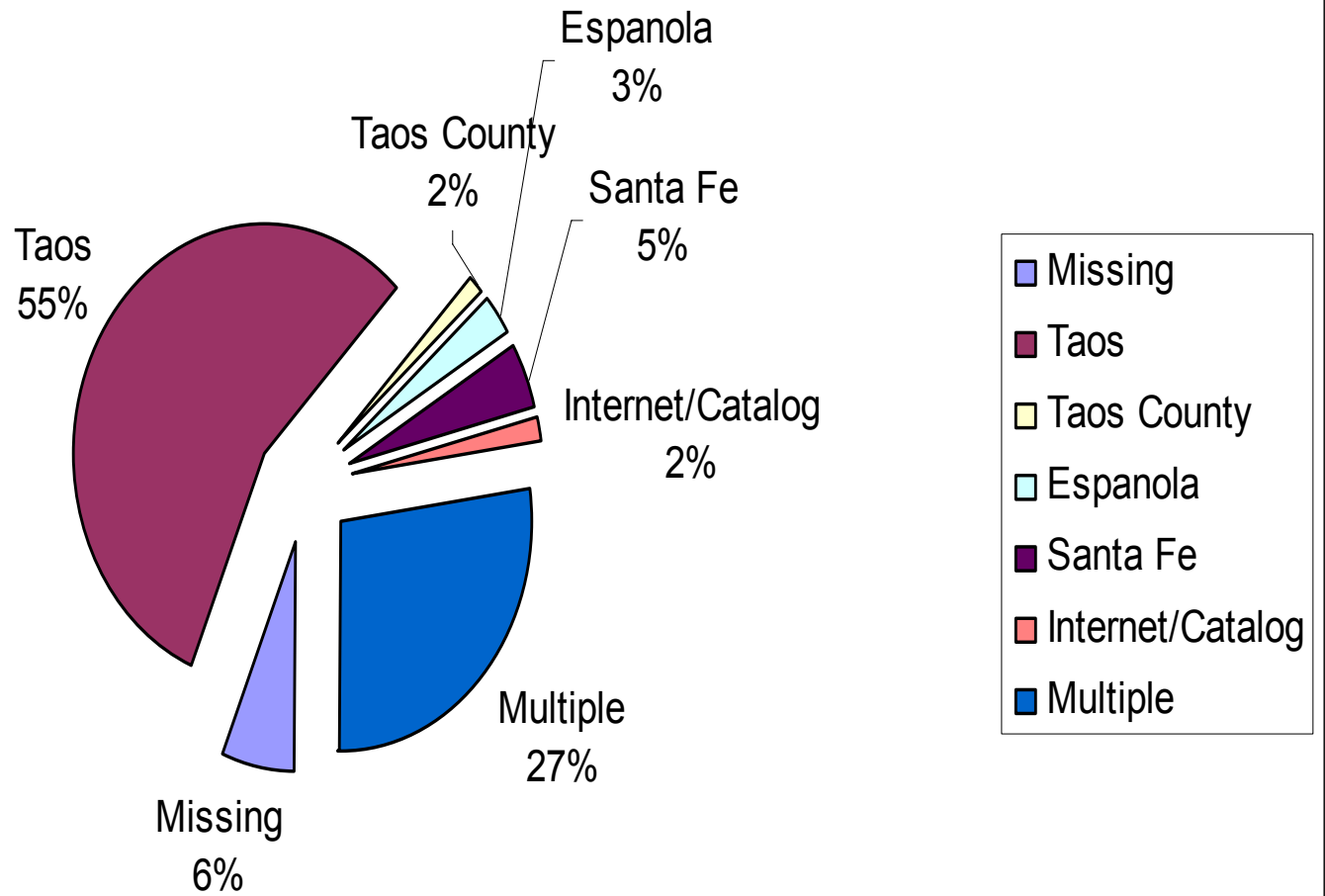
Movies and Live Music



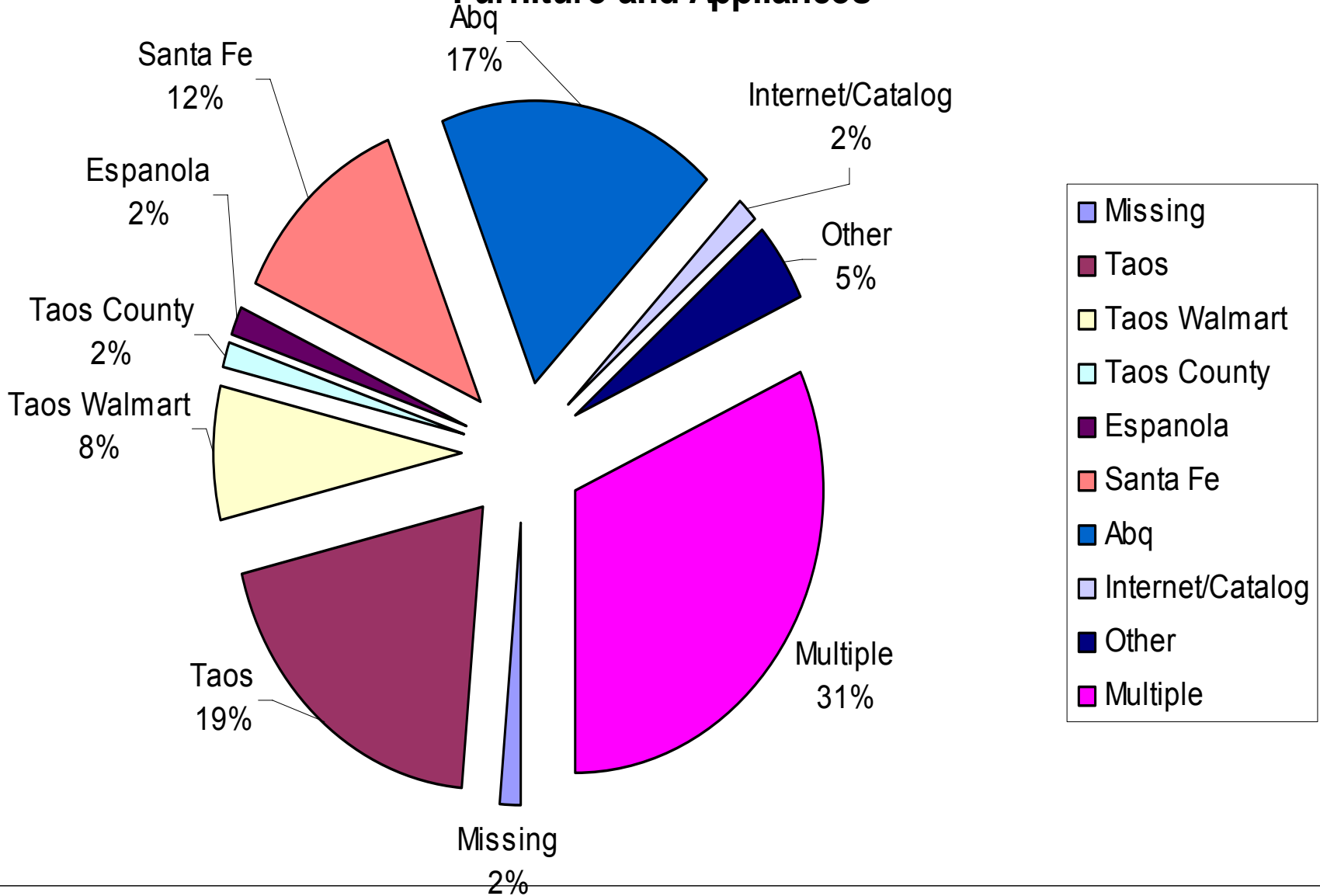
Recorded Media



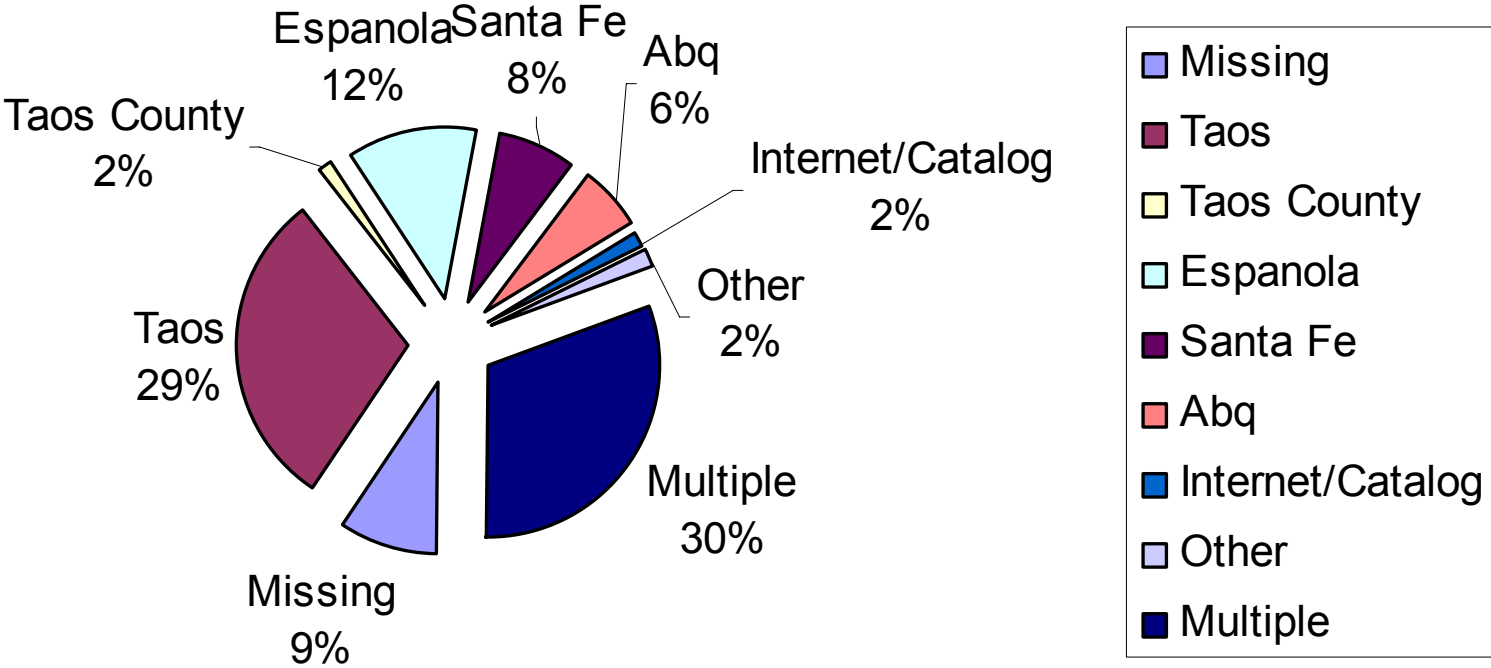
Dining Out



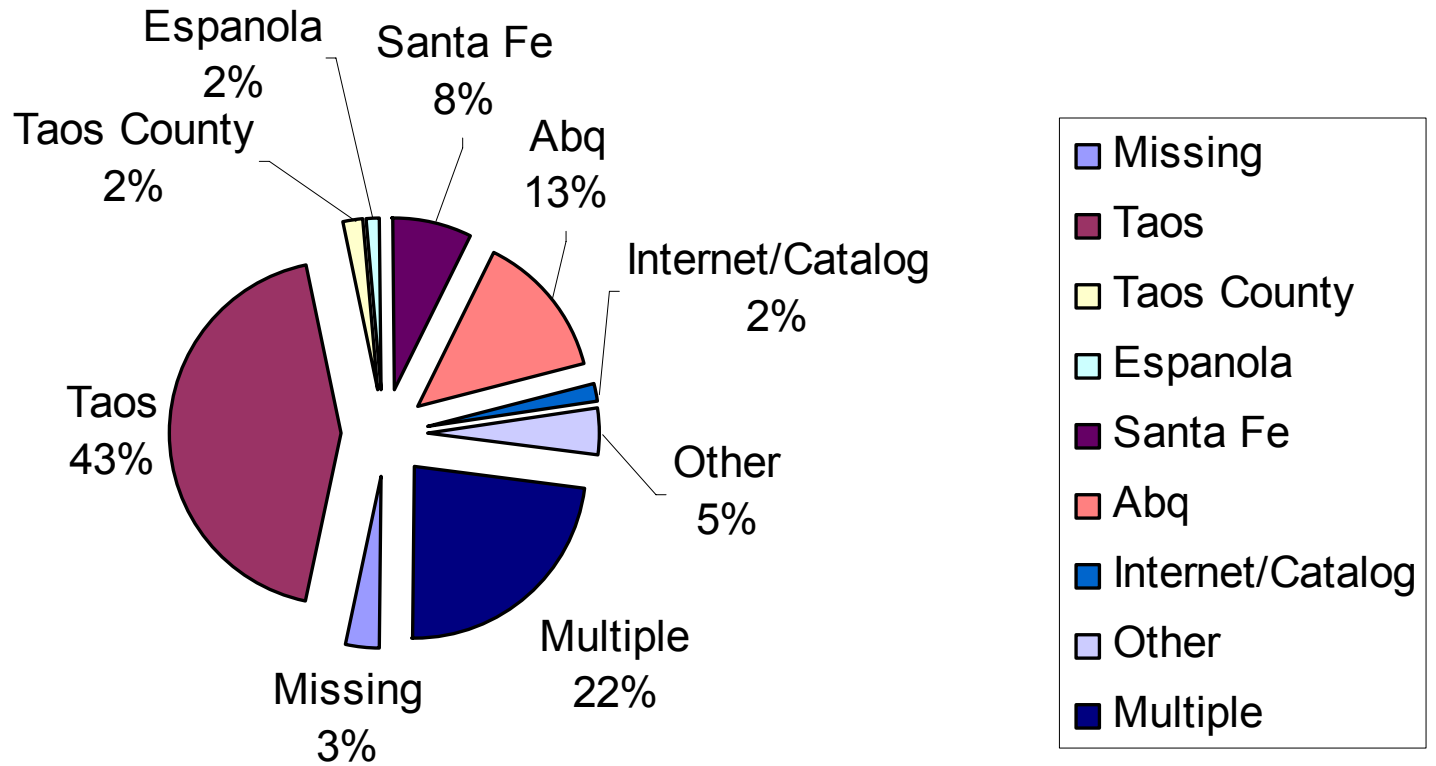
Furniture and Appliances



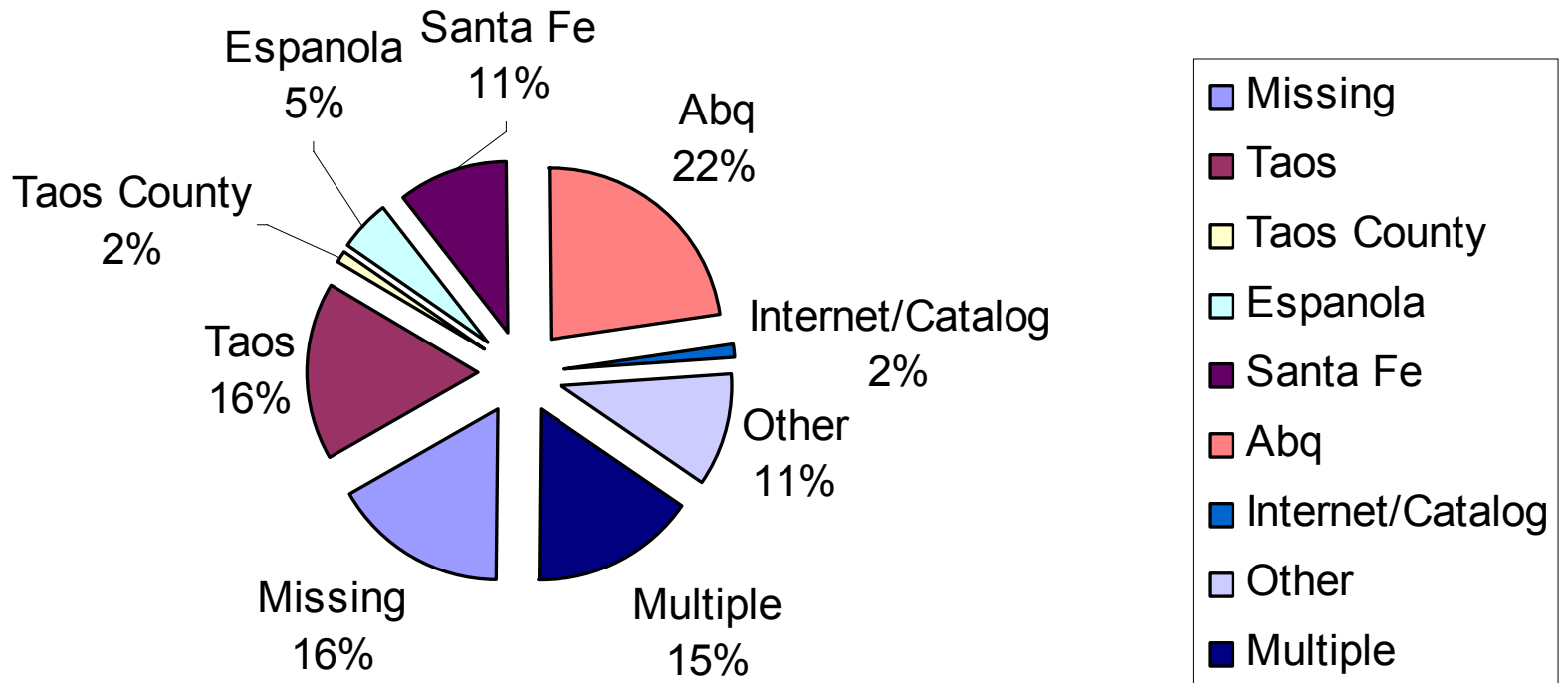
Construction Supplies



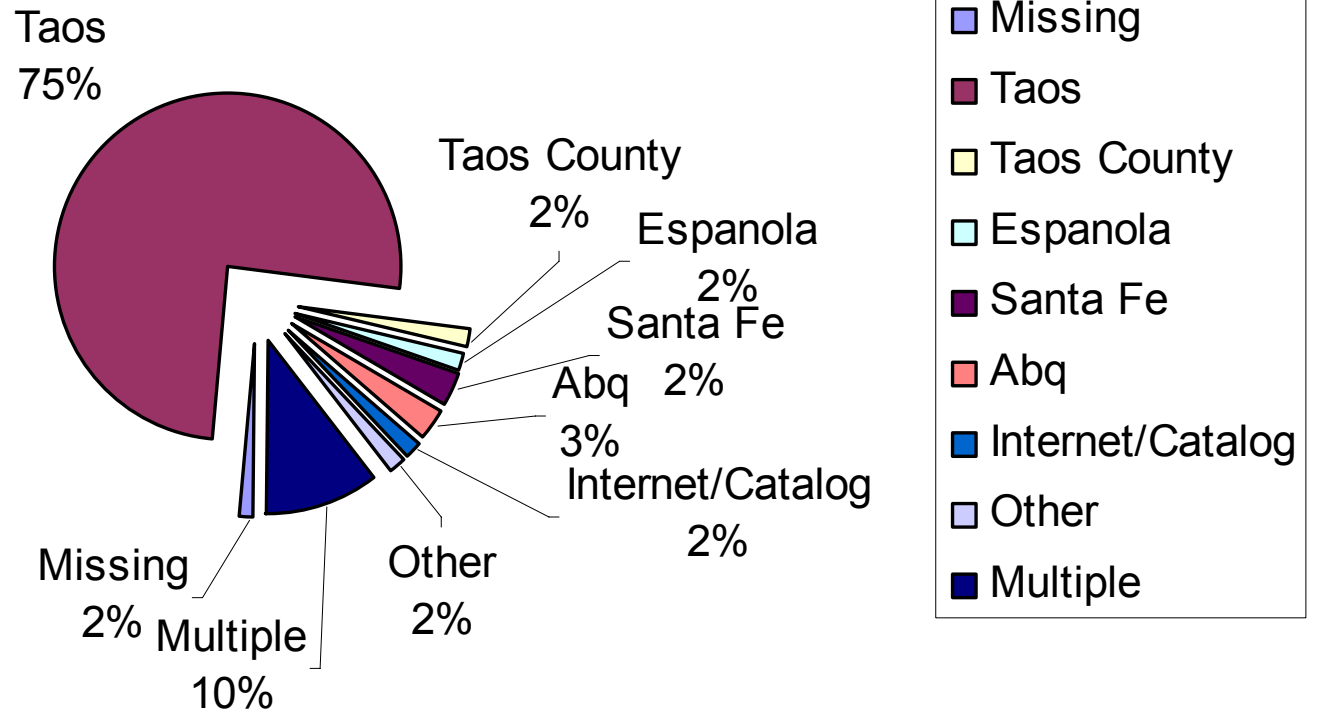
Vehicle Repair



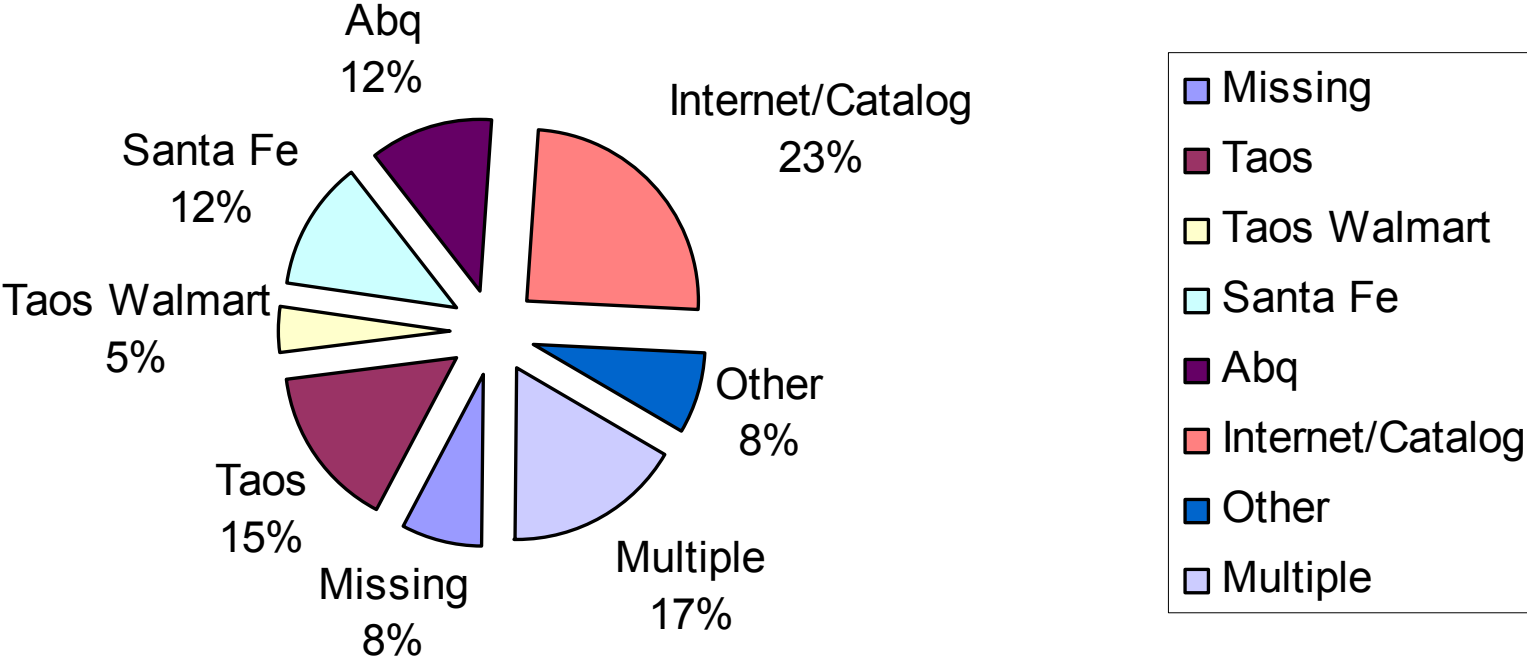
Vehicle Purchases



Professional Services



Computers and Electronics



Ranked Factors Affecting Local Purchasing Decisions

Price

Quality

Customer Service

Available Selection

Proximity

Top Reasons for Nonlocal Purchases (109 Responses)

Not Available (41)

Better Selection Elsewhere (36)

Too Expensive (27)

Reason to Visit Family/Friends (5)

Don't Shop Outside Taos (0)

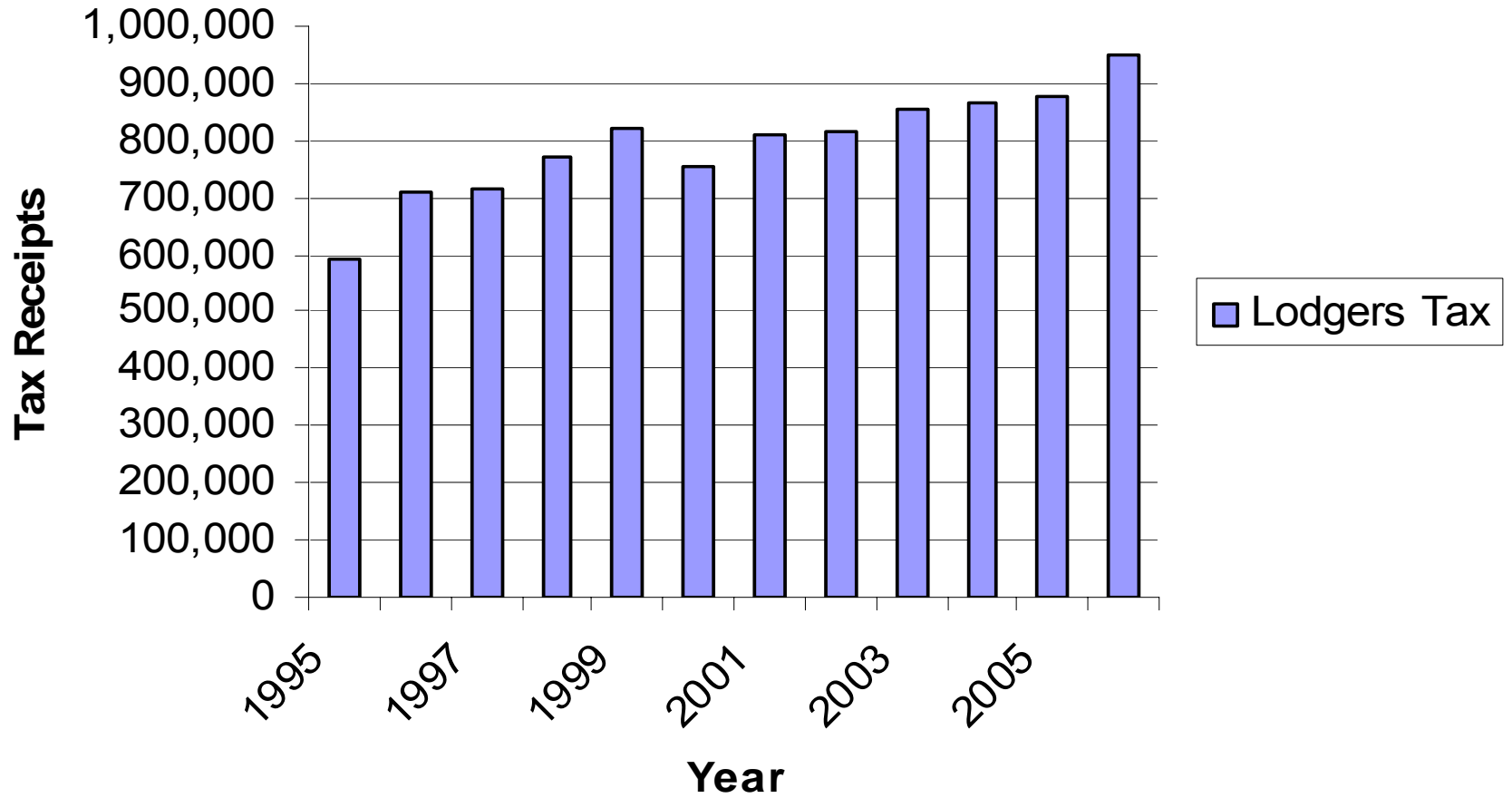
Arts and Tourism

- Industry grouping: accommodations and food services, arts and recreation, and retail
- Not strong growth, but not decreasing either
- Art dealers do appear to be suffering

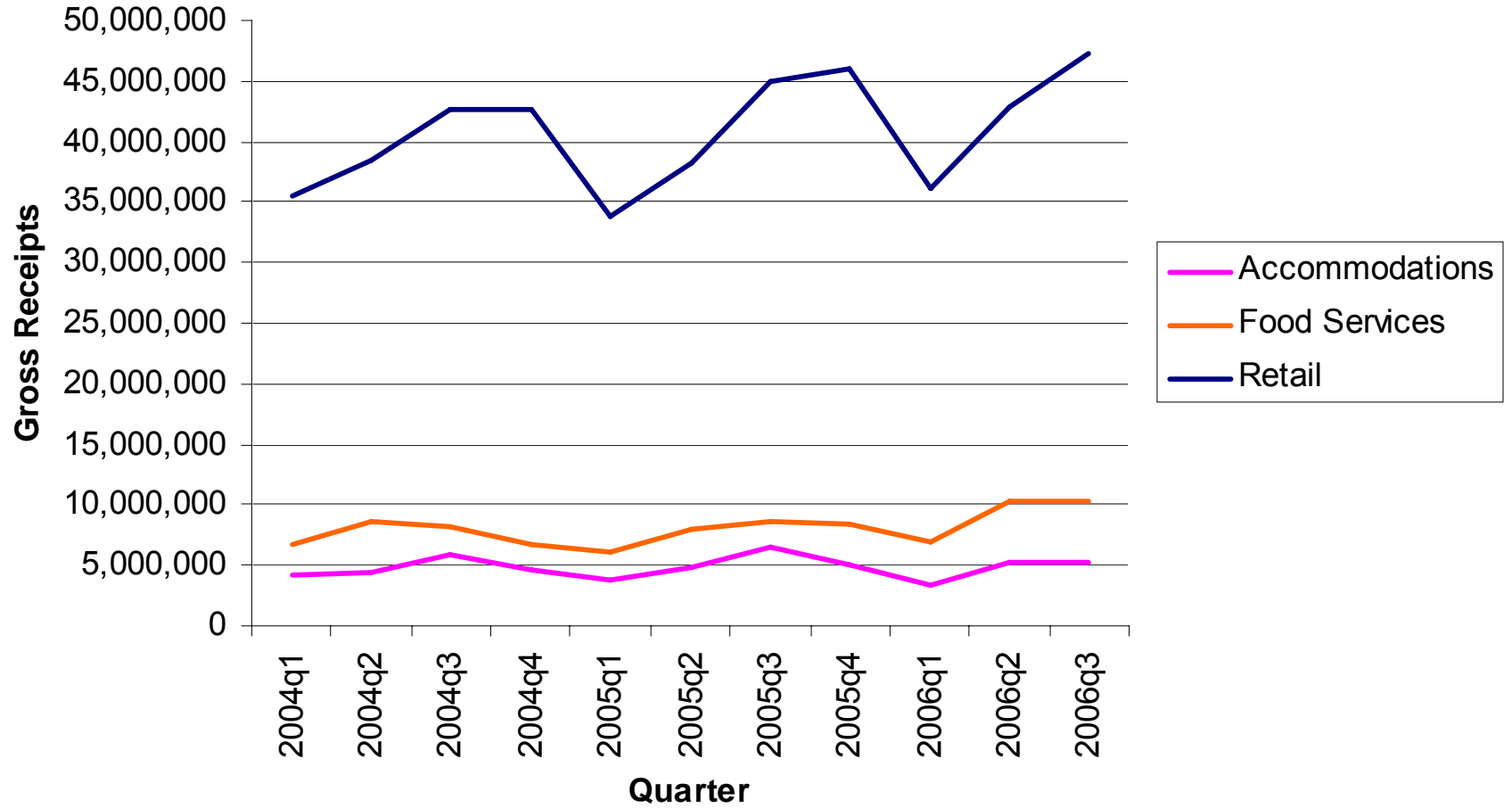
Tourism Department Estimates (FY 2006)

- \$135.56 Million in expenditures (+2.7%)
- 1,870 jobs
- \$28.78 Million in income
- \$3 Million in local taxes
- Taos County Gross Receipts of Lodging, Food, Galleries, and Recreation: \$87.8 Million

Taos Lodgers Tax Receipts



Taxable Gross Receipts



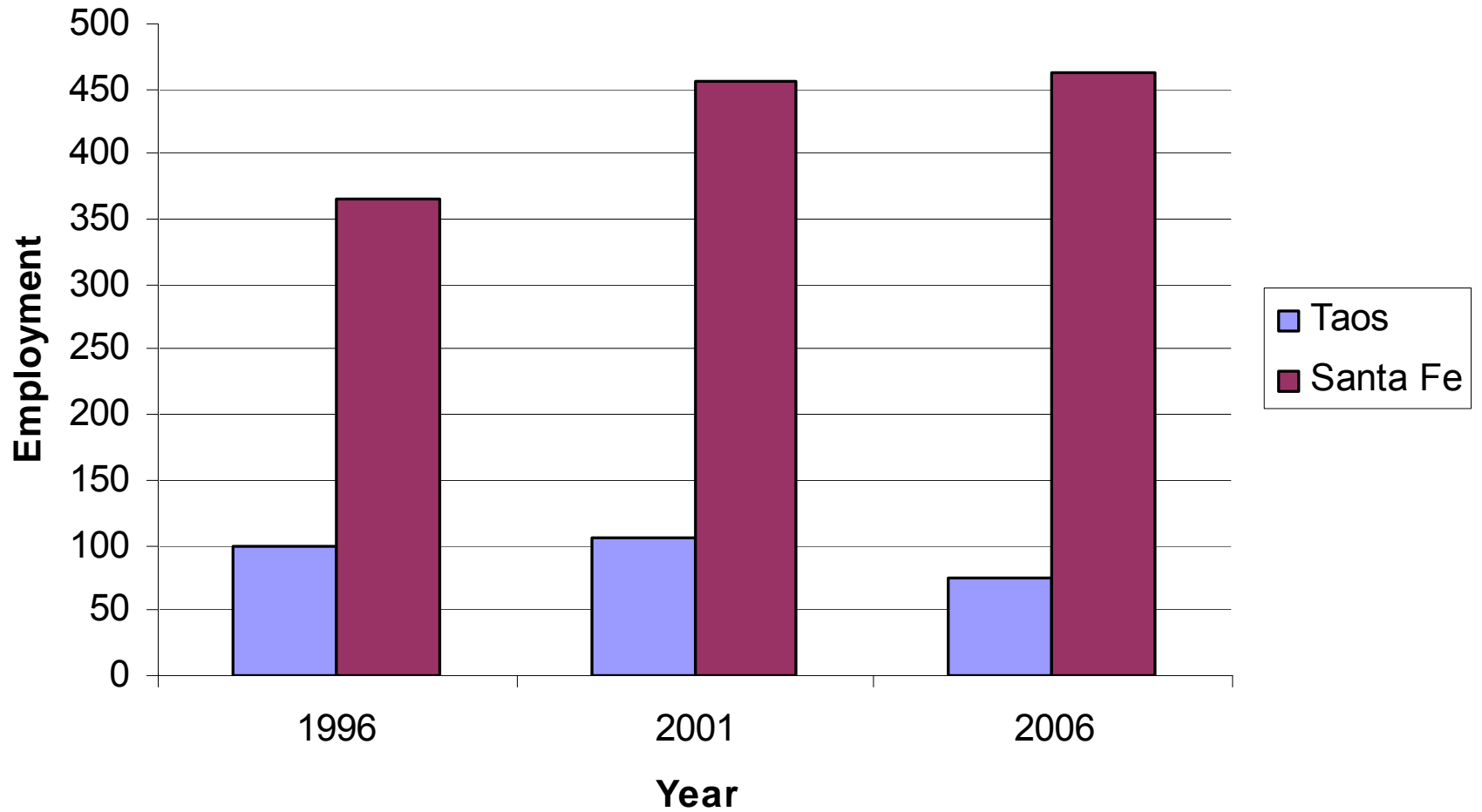
Annual Rate of Change - Taxable Gross Receipts



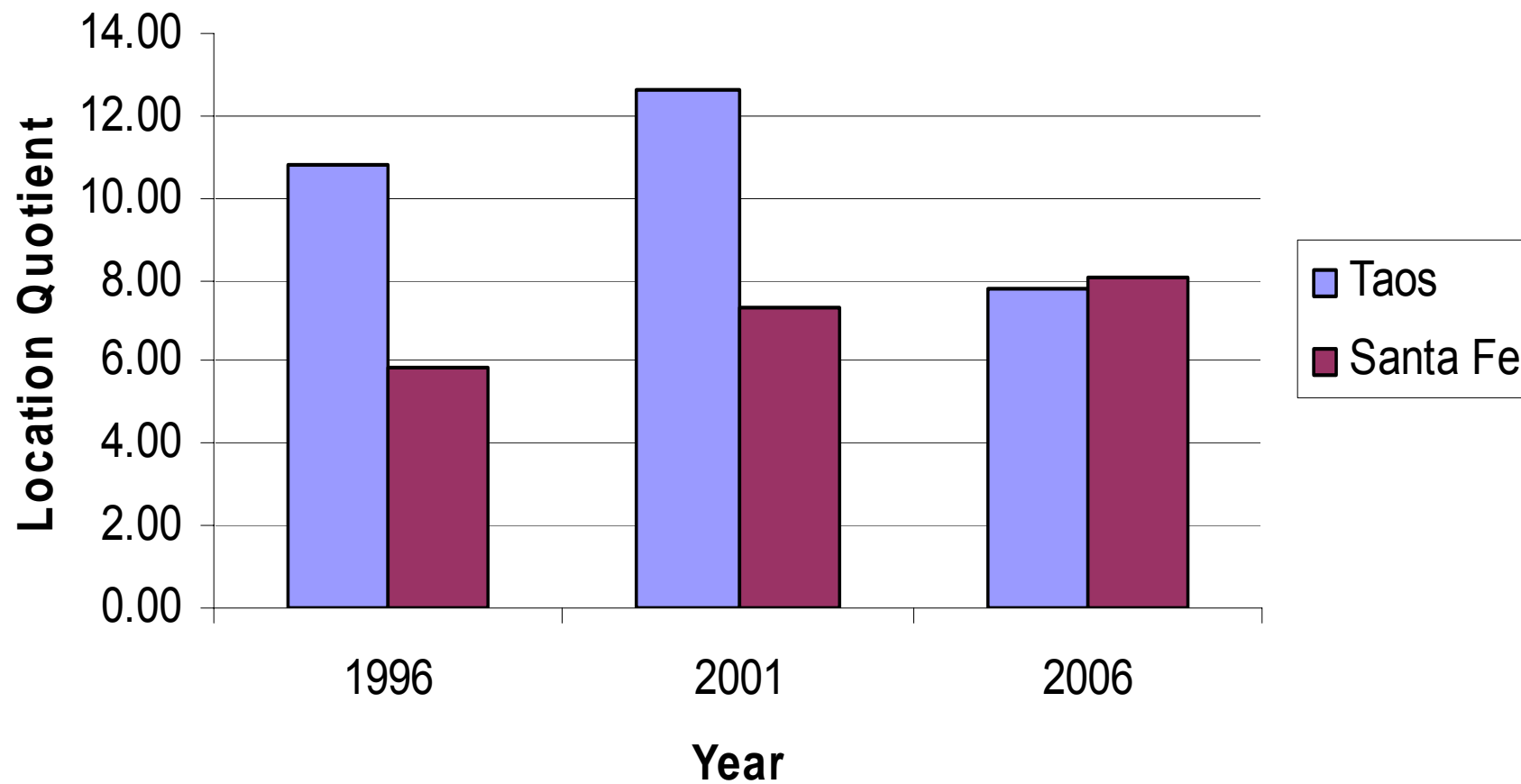
Art Dealers

- Santa Fe's growth in art dealers is quite strong and outpacing Taos
- Total wage bill hasn't increased since 2000
- Employment has been decreasing since 1997
- Still, something must be going well, because...

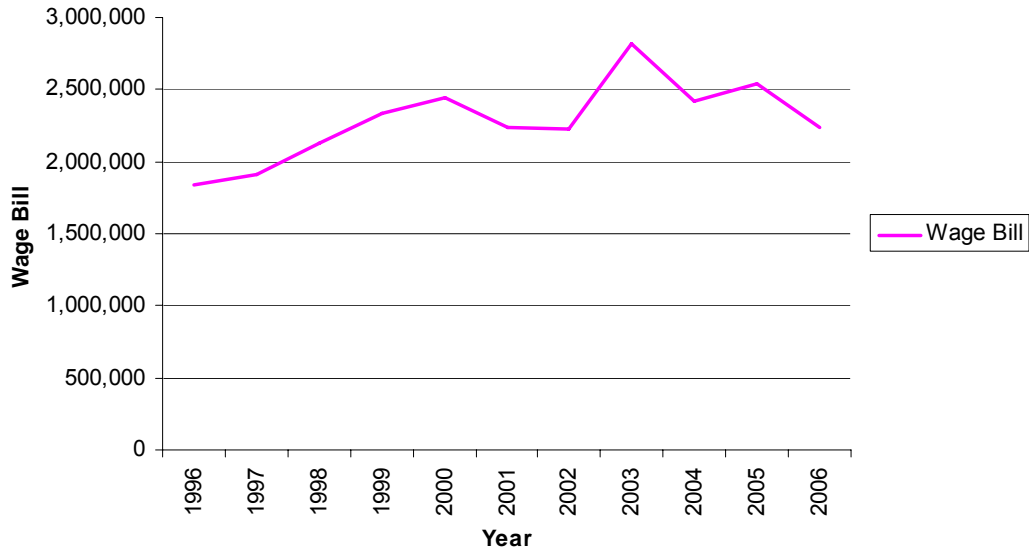
Diverging Art Dealer Trends



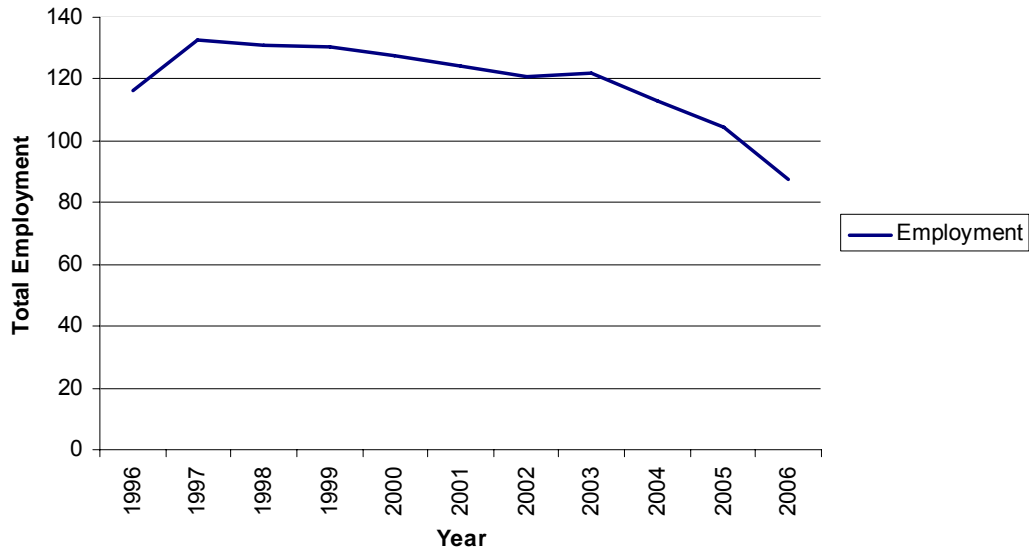
Art Dealer Location Quotients



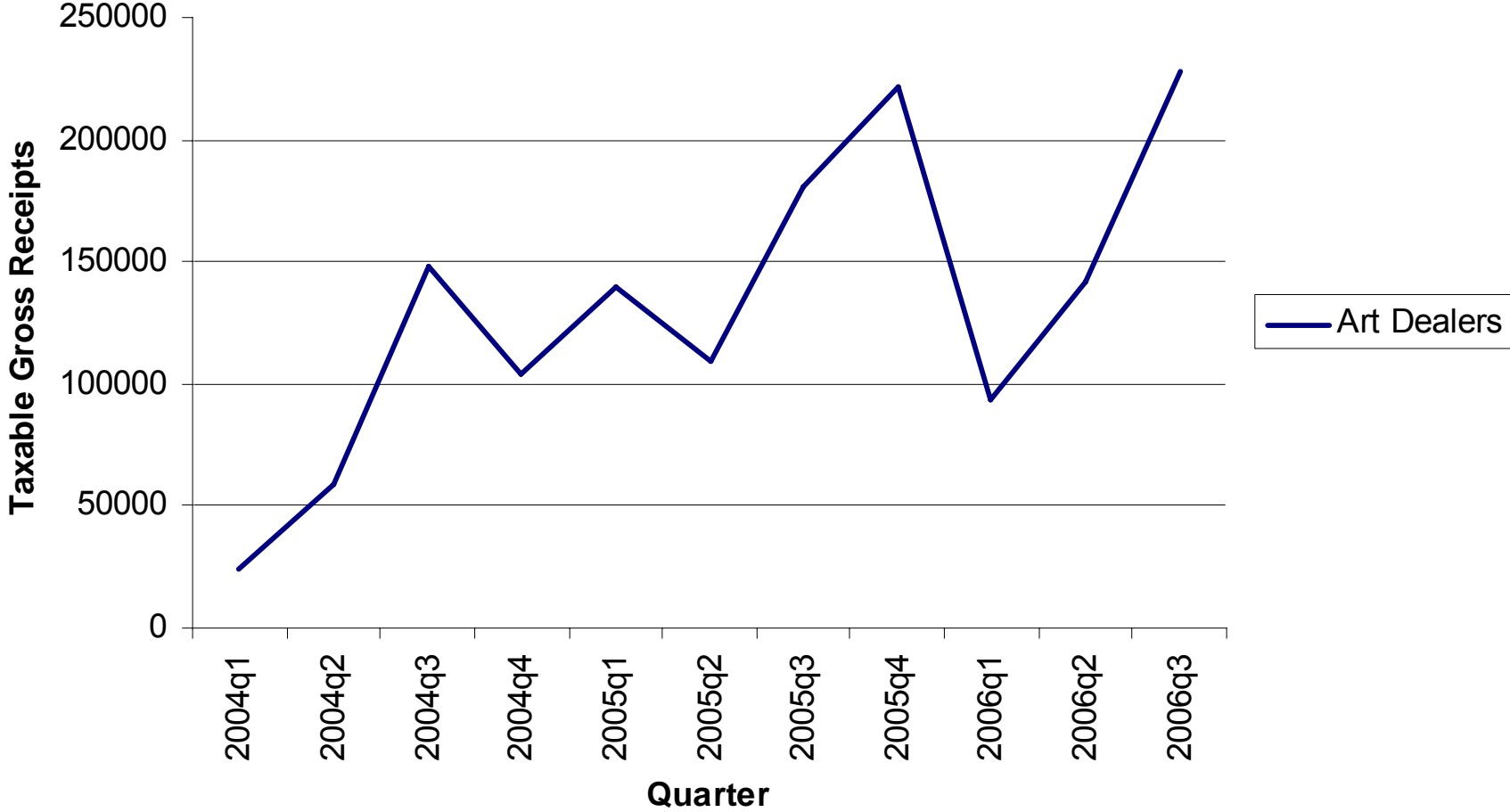
Art Dealers: Total Wage Bill



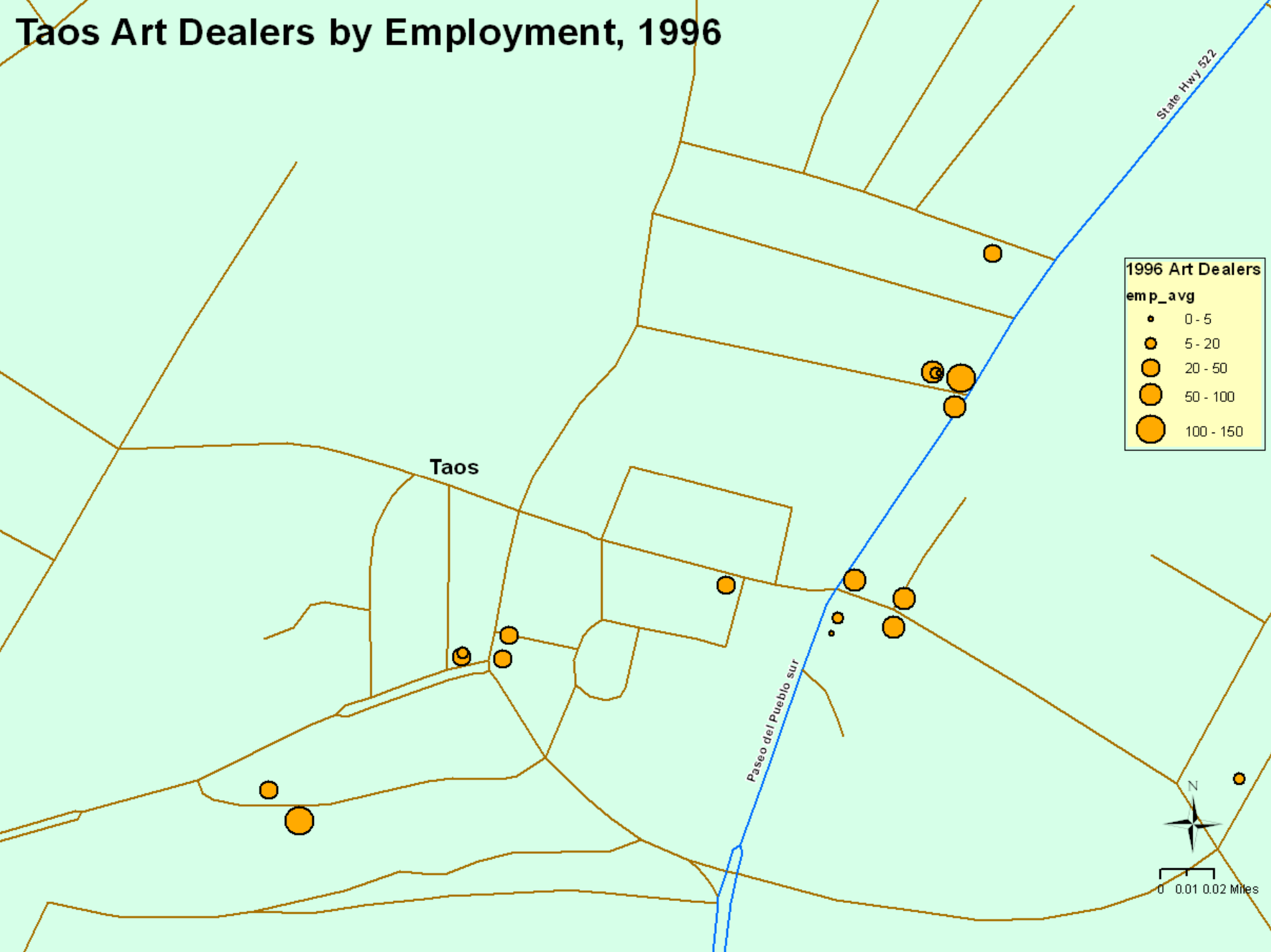
Art Dealers: Employment



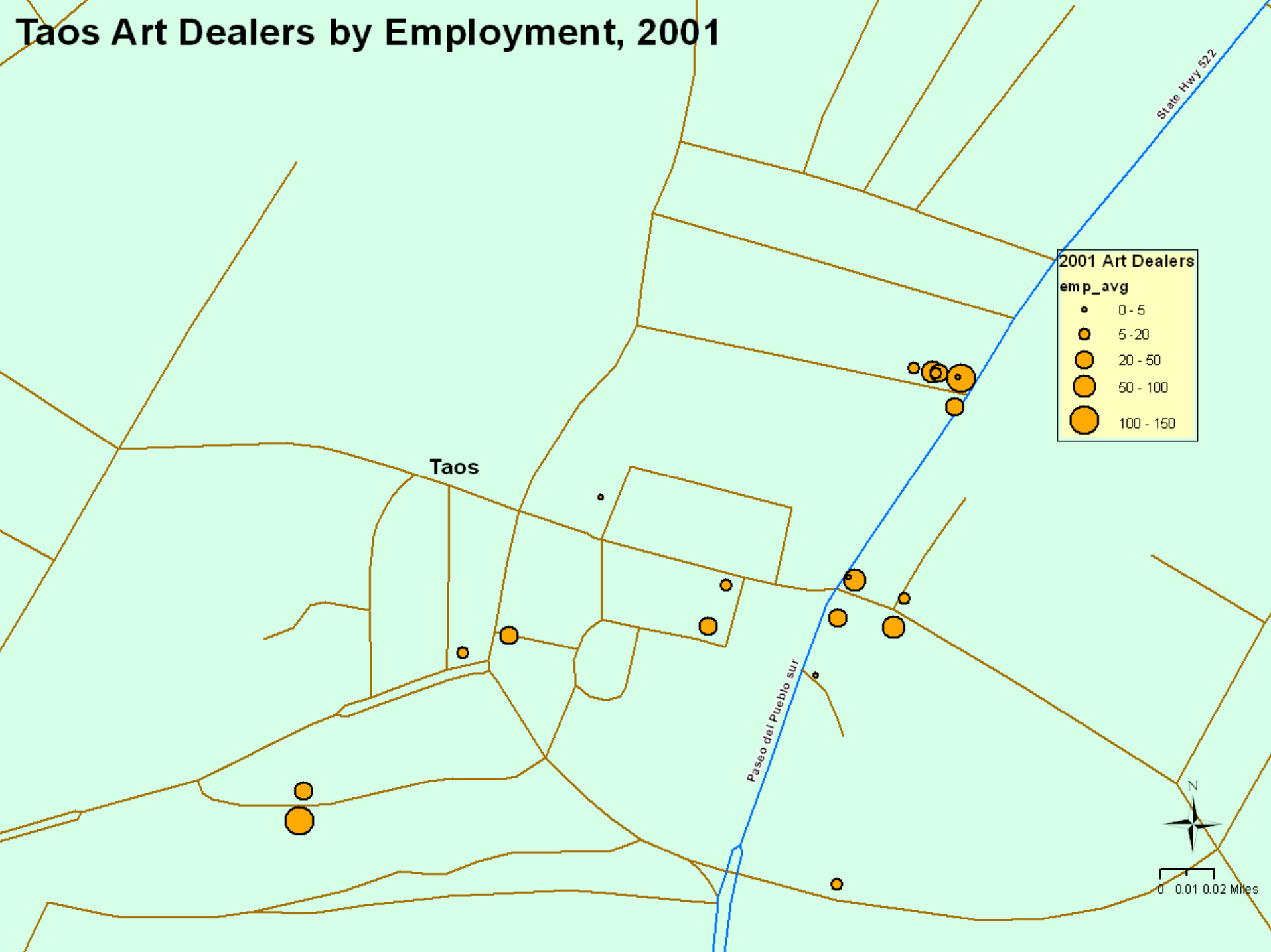
Art Dealers



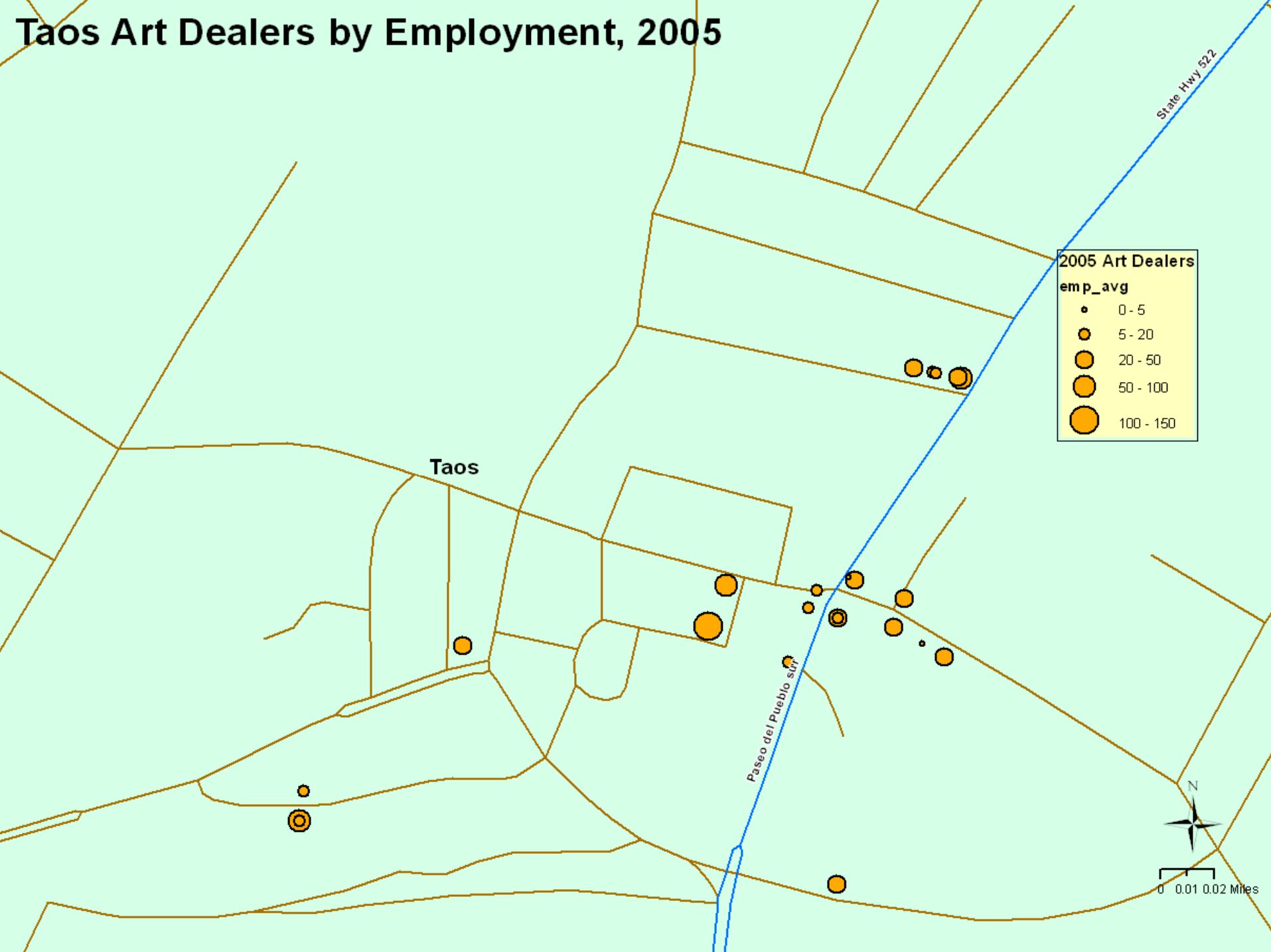
Taos Art Dealers by Employment, 1996



Taos Art Dealers by Employment, 2001



Taos Art Dealers by Employment, 2005



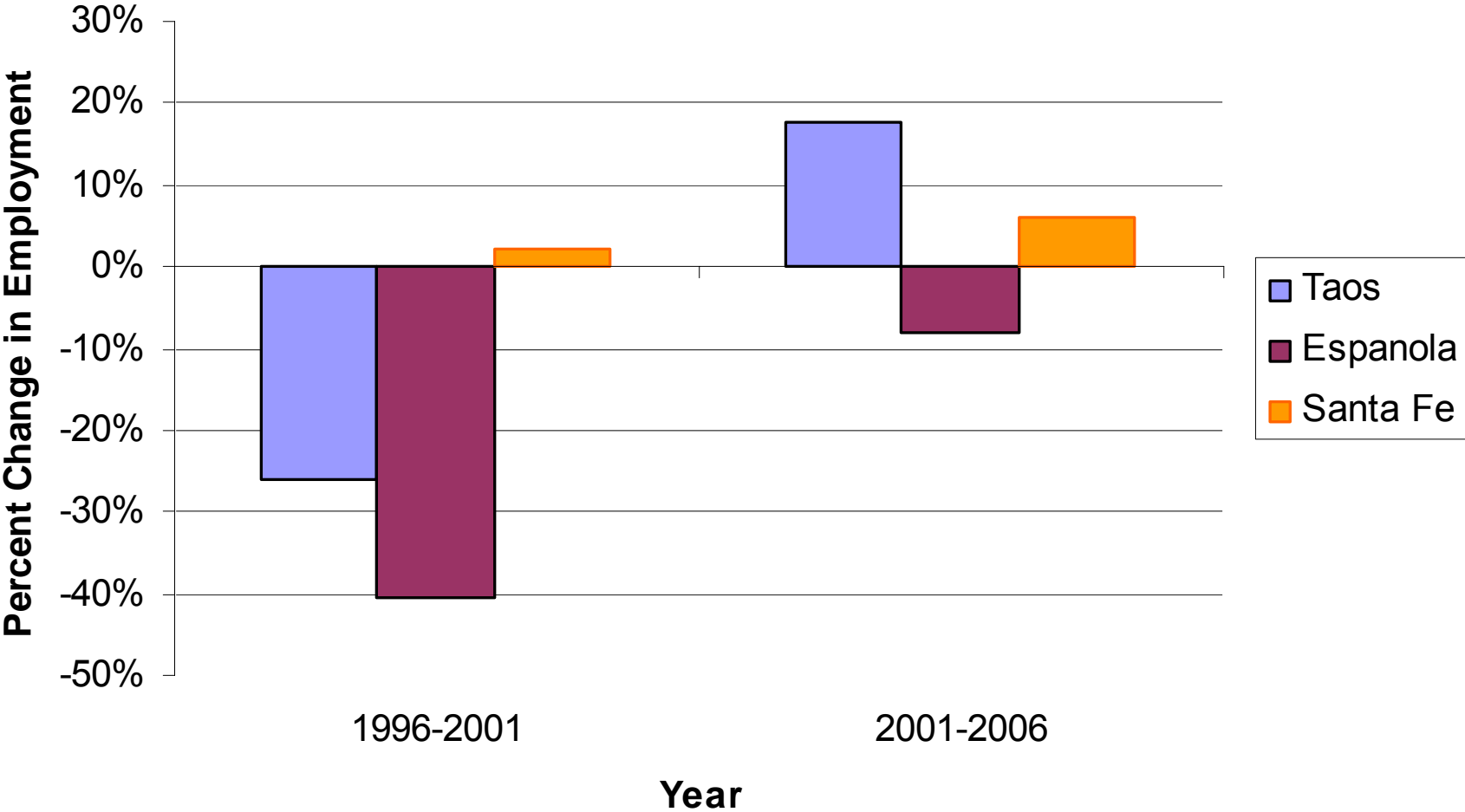
Art Dealer Market

- Galleries indicate that the majority of buyers have shifted from Texas to Colorado, but also include Santa Fe, Albuquerque, Arizona, and the east coast

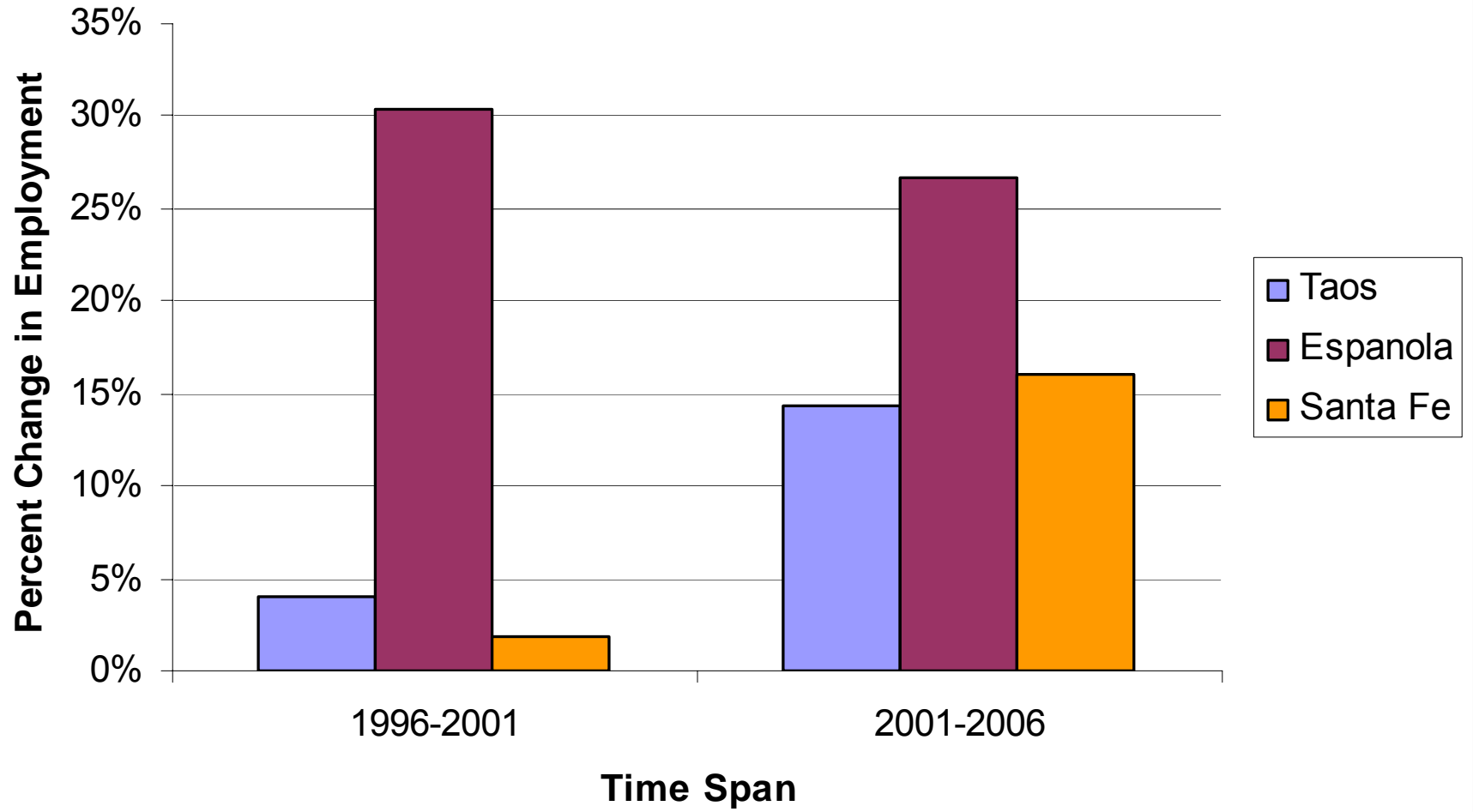
Accommodations and Food Services

- Respectable growth post 2000, especially compared with Santa Fe
- Employment in food services increased 14% from 2001 to 2006. This is less of an increase than Santa Fe and Española, but is much better than from 1996-2000

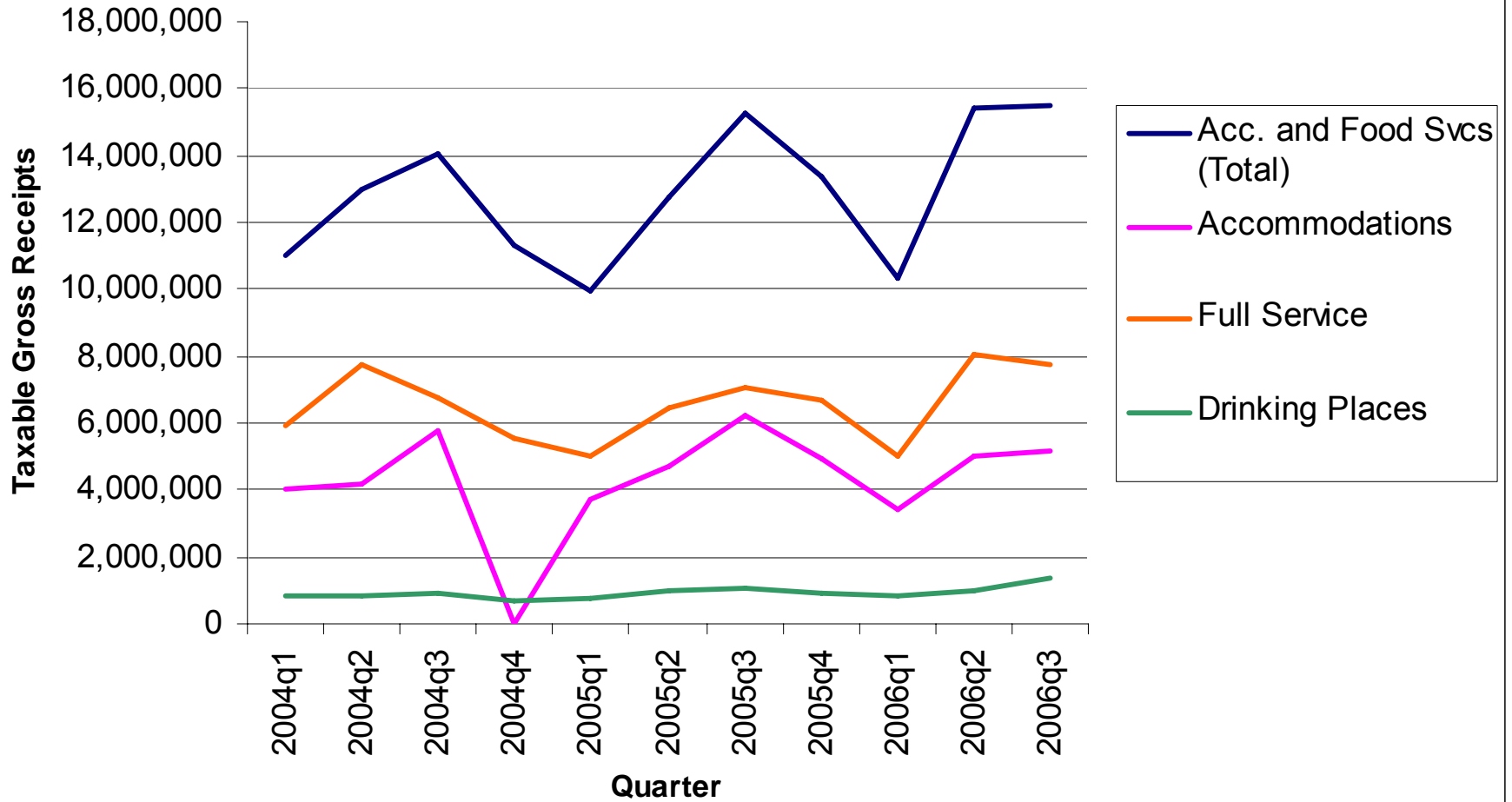
Recovering Accommodations?



Growth in Food Services



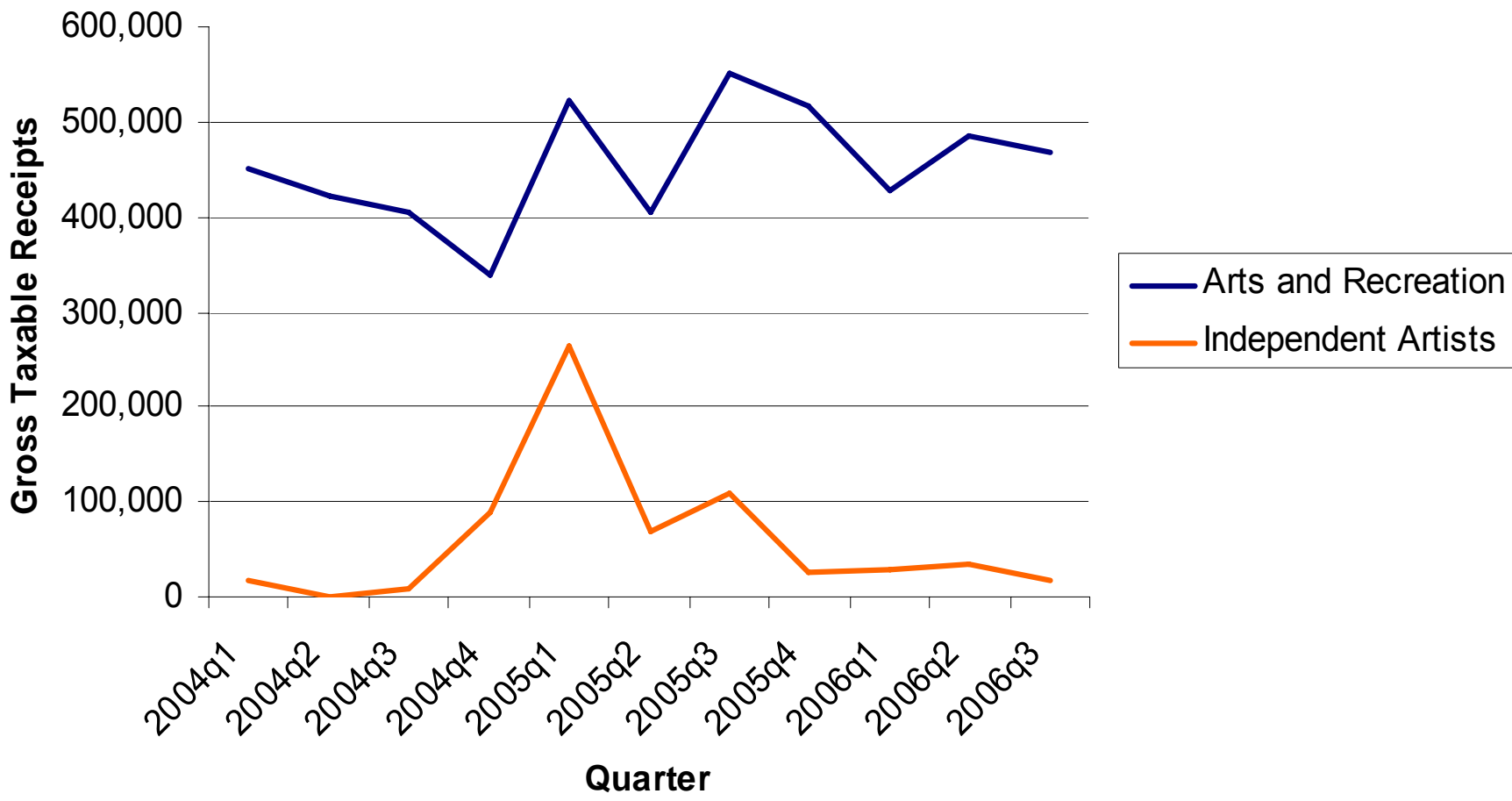
Accommodations and Food Services: Taxable Gross Receipts



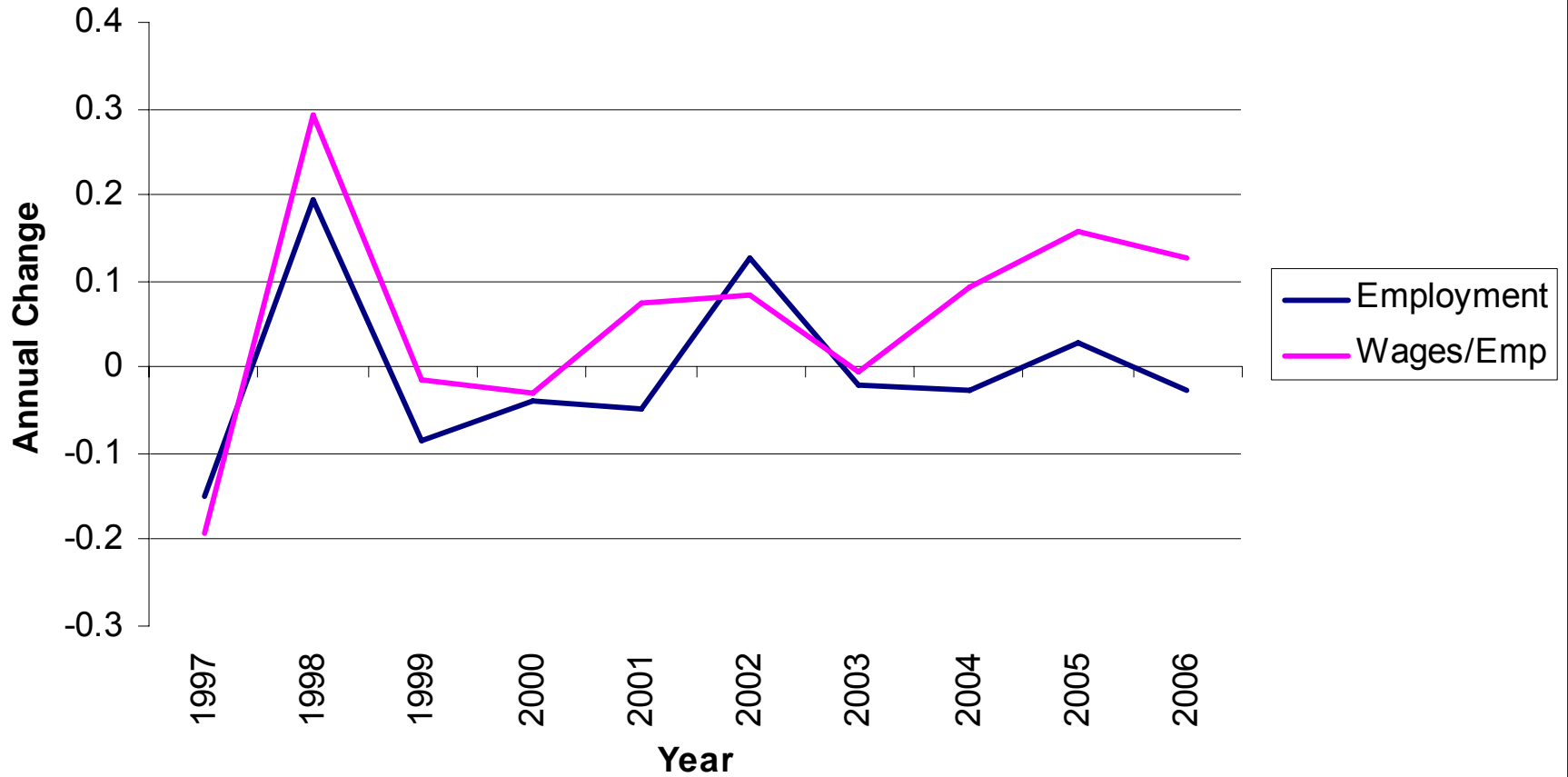
Arts and Recreation

- Largely dependent on the ski areas and so it fluctuates wildly
- Also includes the Taos Mountain Casino and the Town of Taos itself
- Numerous small independent artists

Arts and Recreation: Taxable Gross Receipts



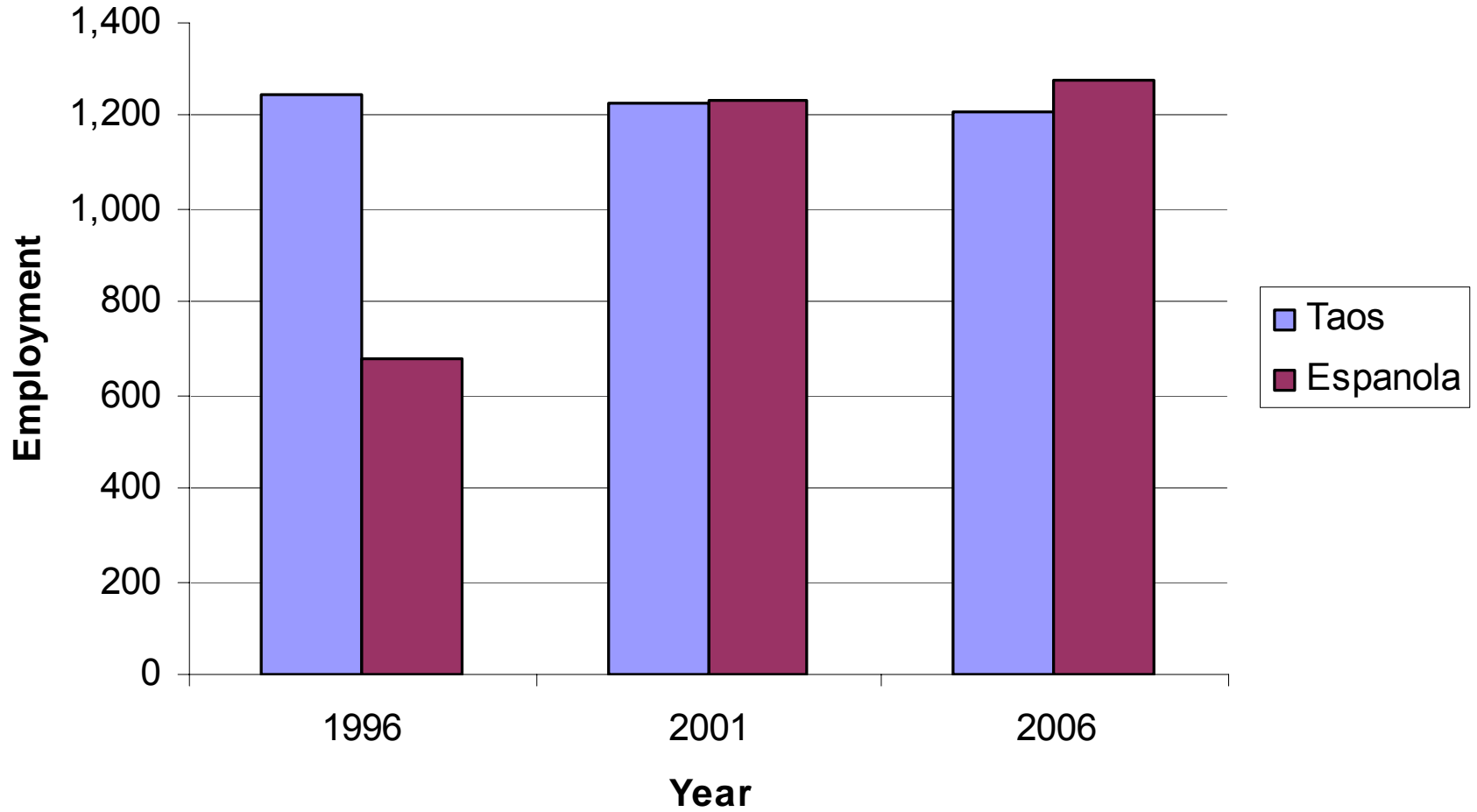
Arts and Recreation: Annual Percent Change in Wages and Employment



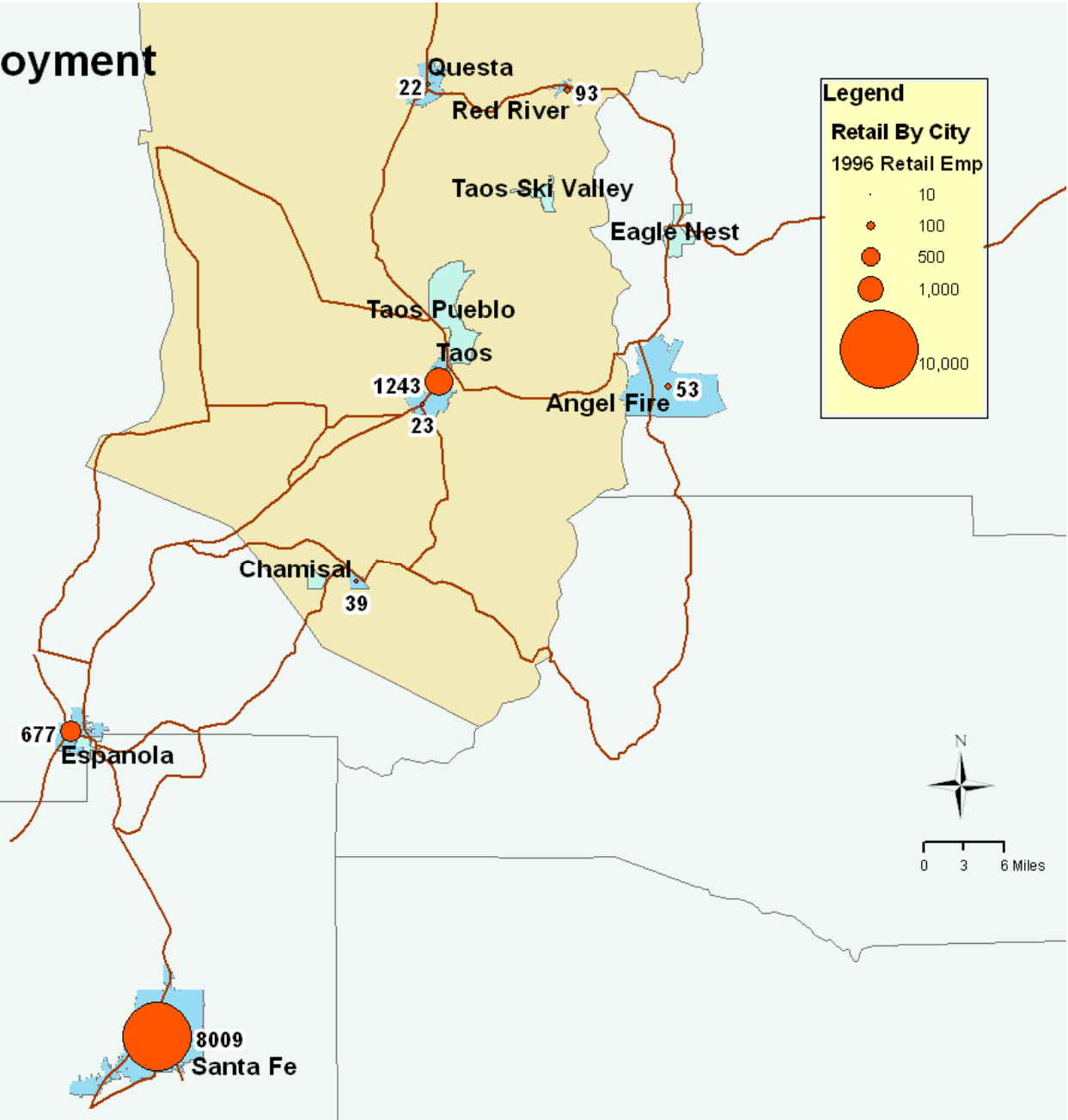
Retail

- Retail has been steady for several years, virtually no growth in employment, but cyclical growth in sales
- Taos still serves as a regional retail center, but Española has shared equal weight since the Super Wal*Mart

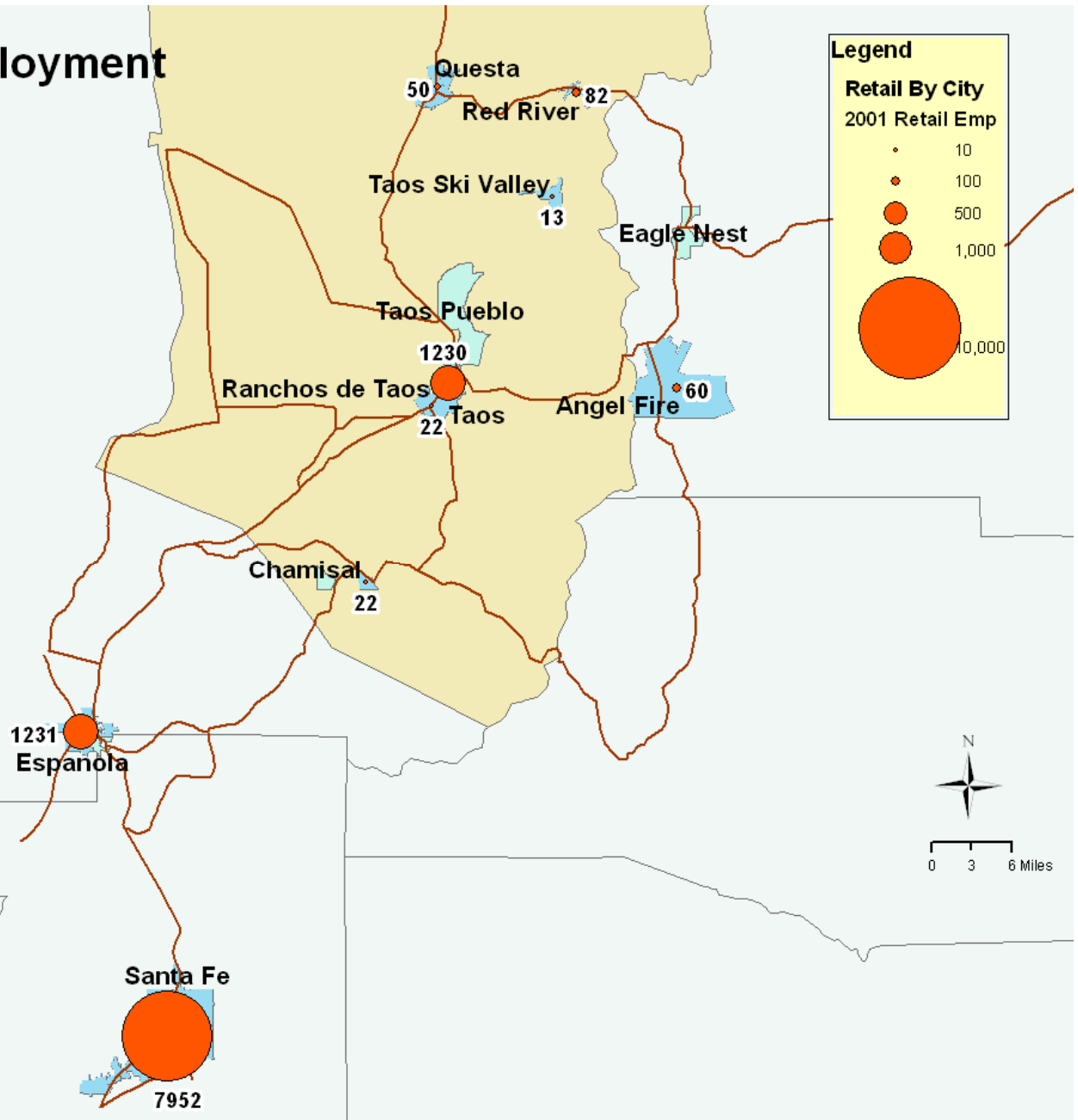
11 Years of Retail Employment



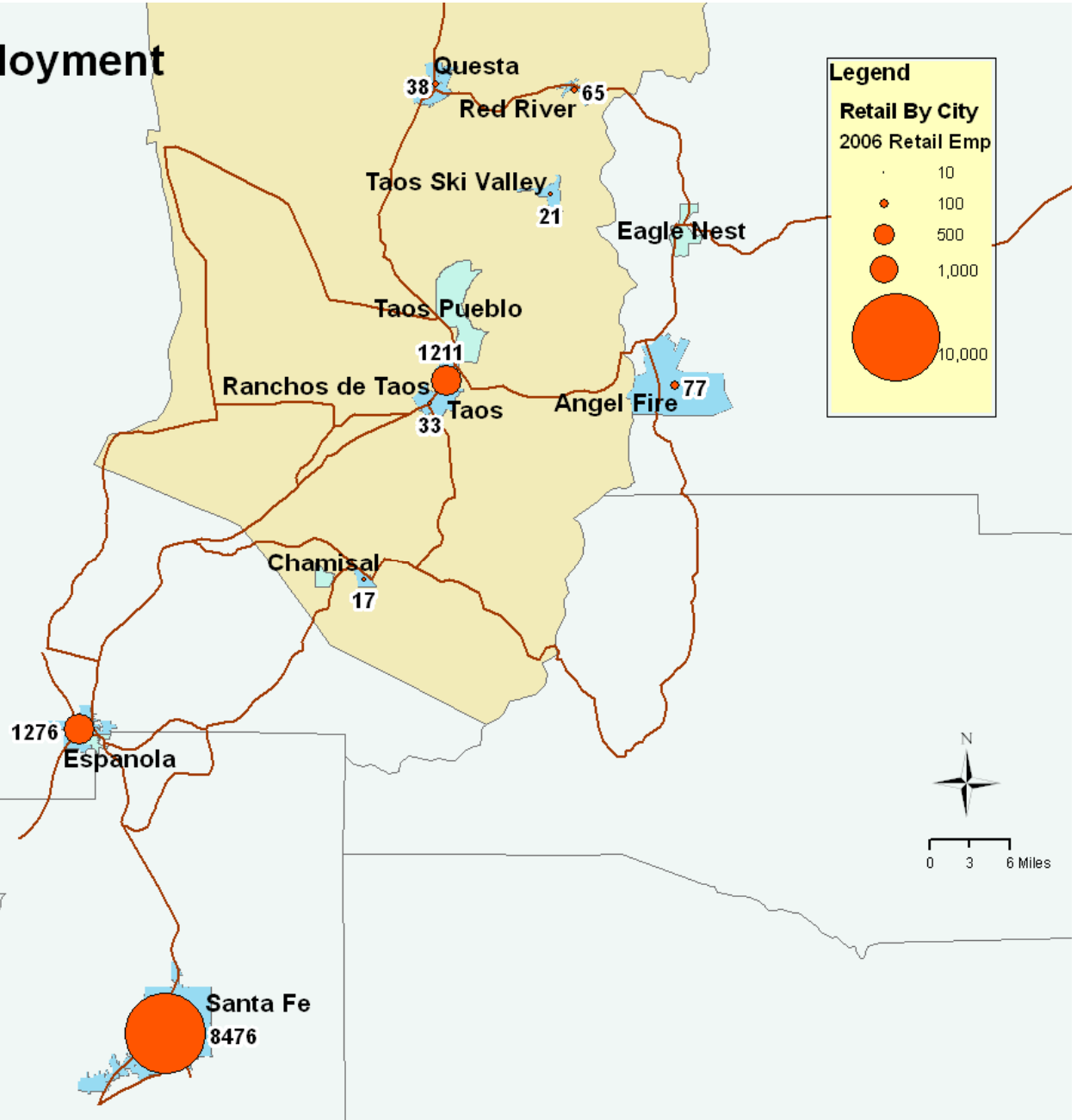
1996 Retail Employment



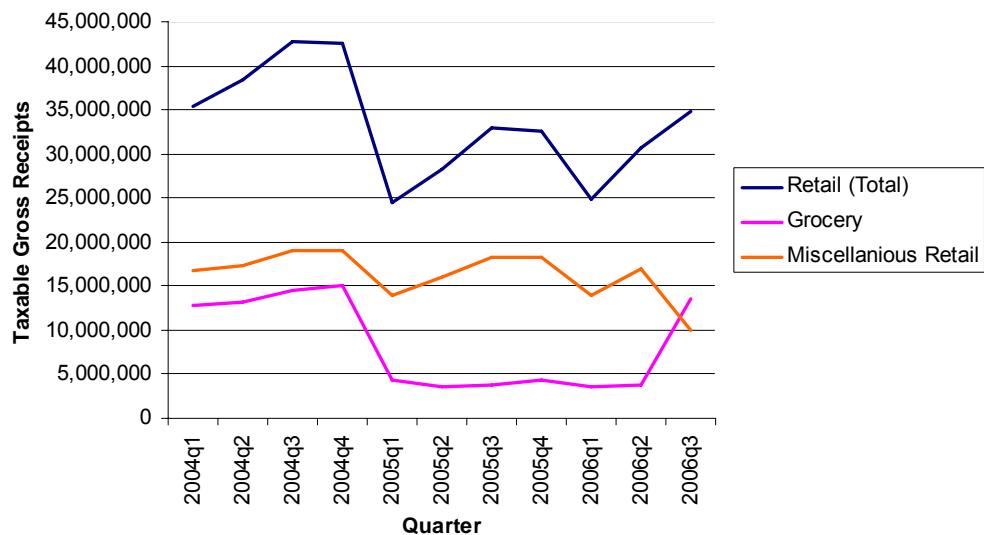
2001 Retail Employment



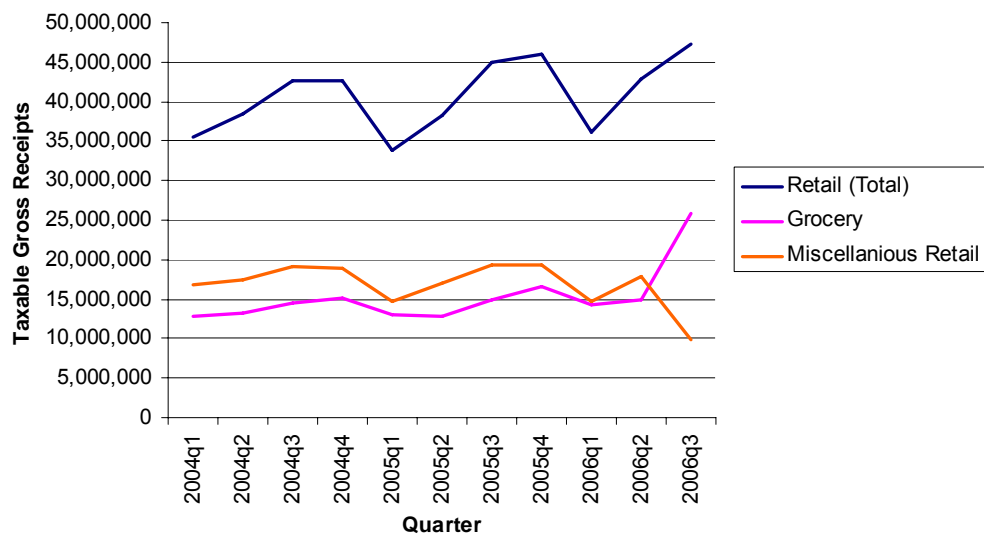
2006 Retail Employment



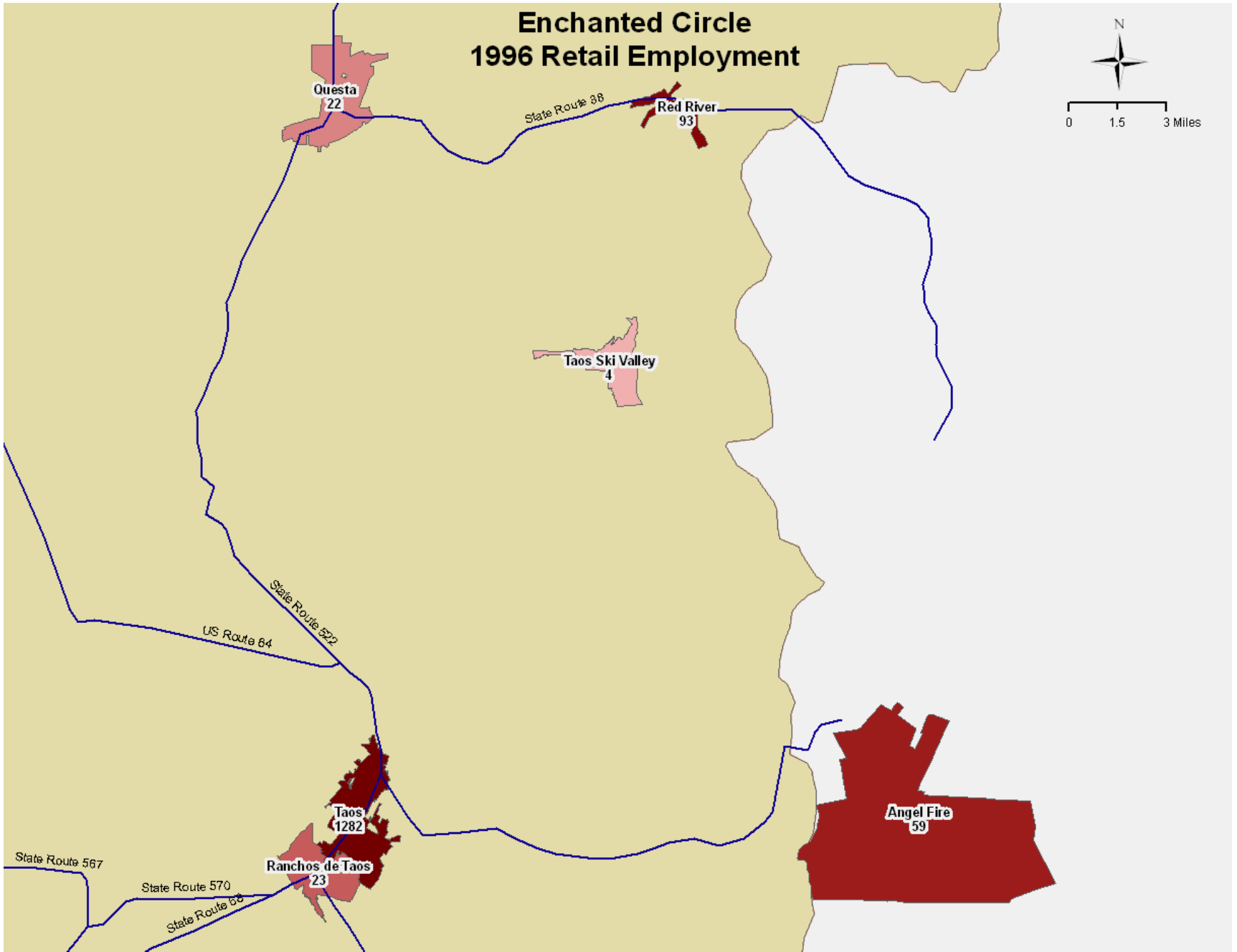
Major Retail Losses?



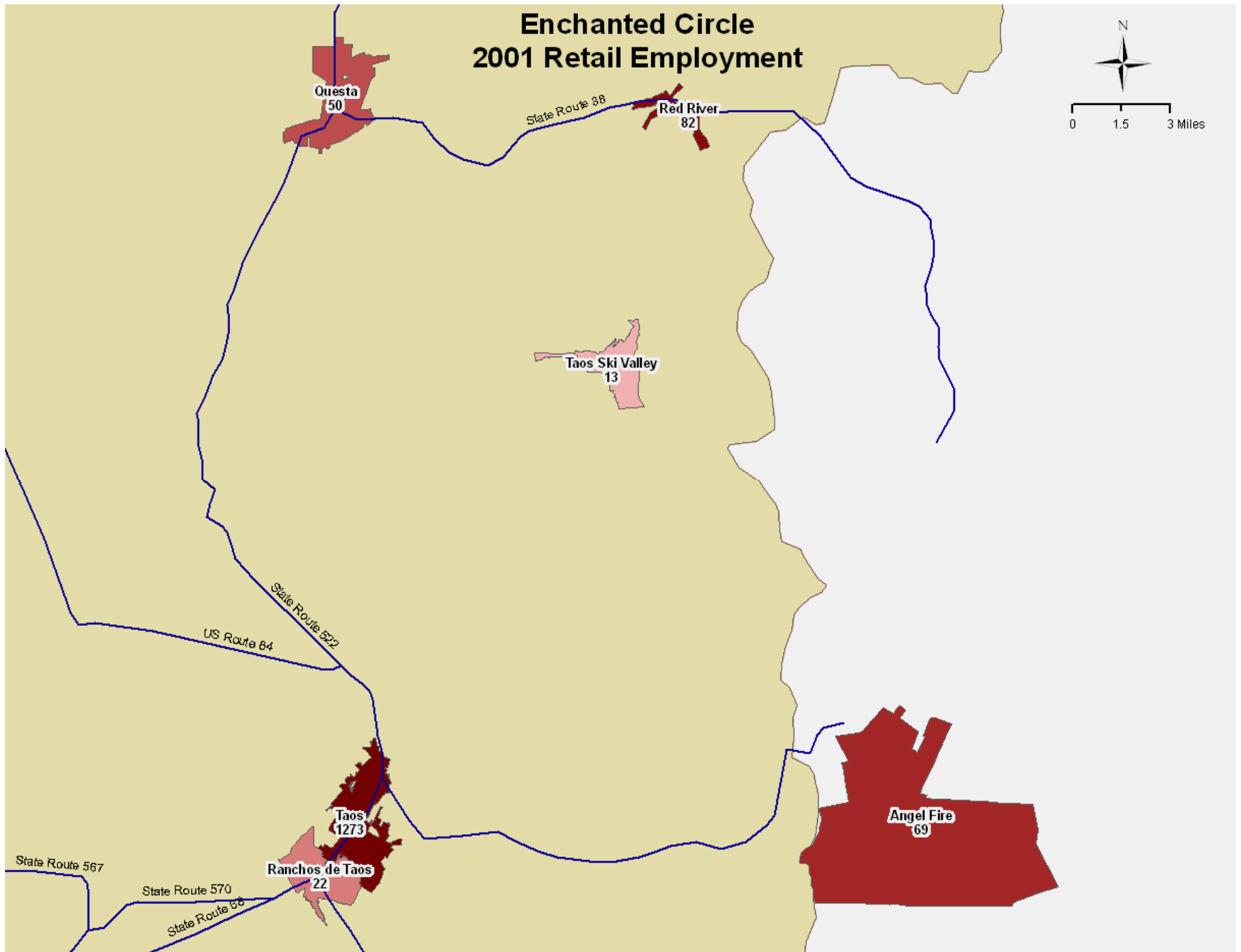
Retail Revenues, Food Deductions Included



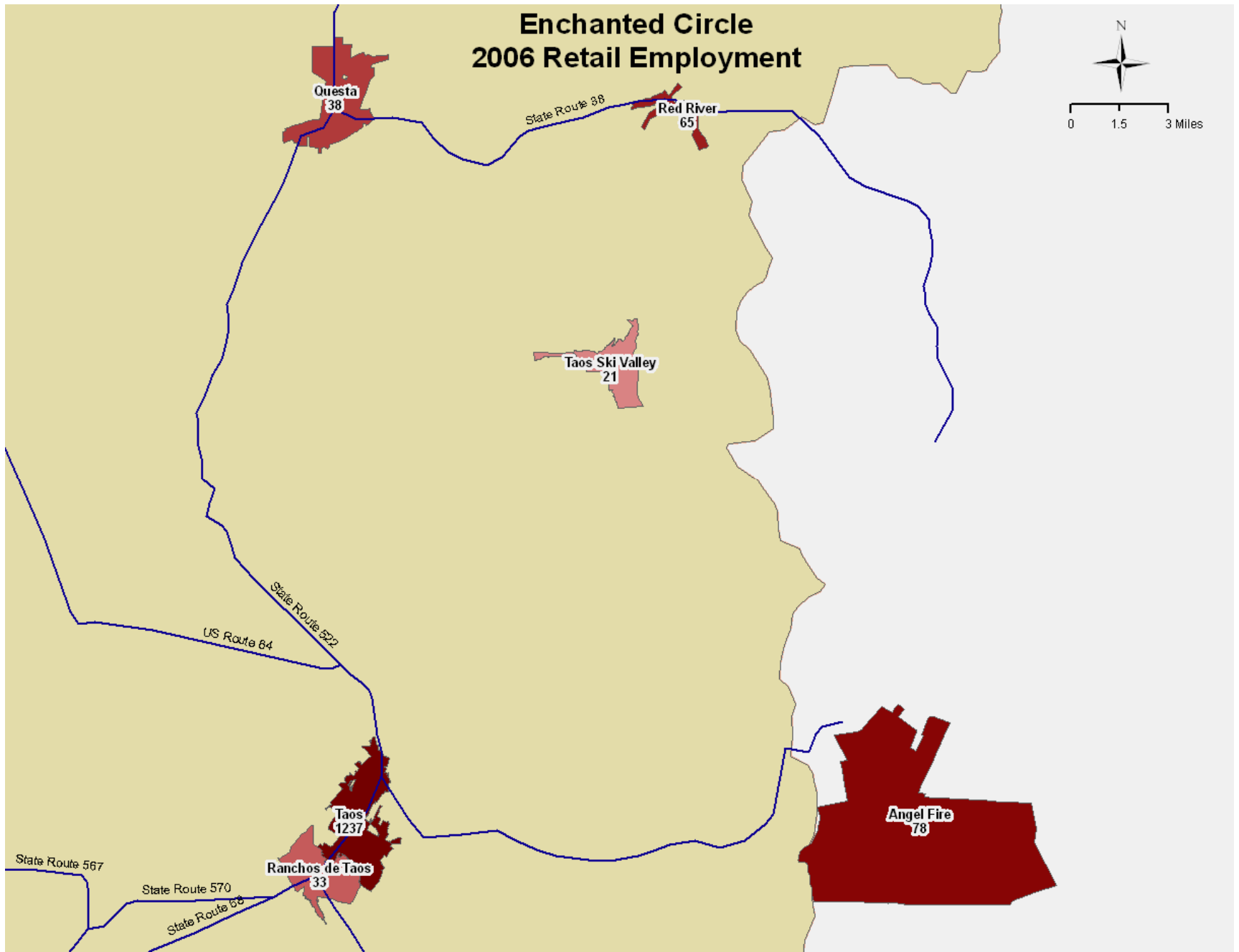
Enchanted Circle 1996 Retail Employment



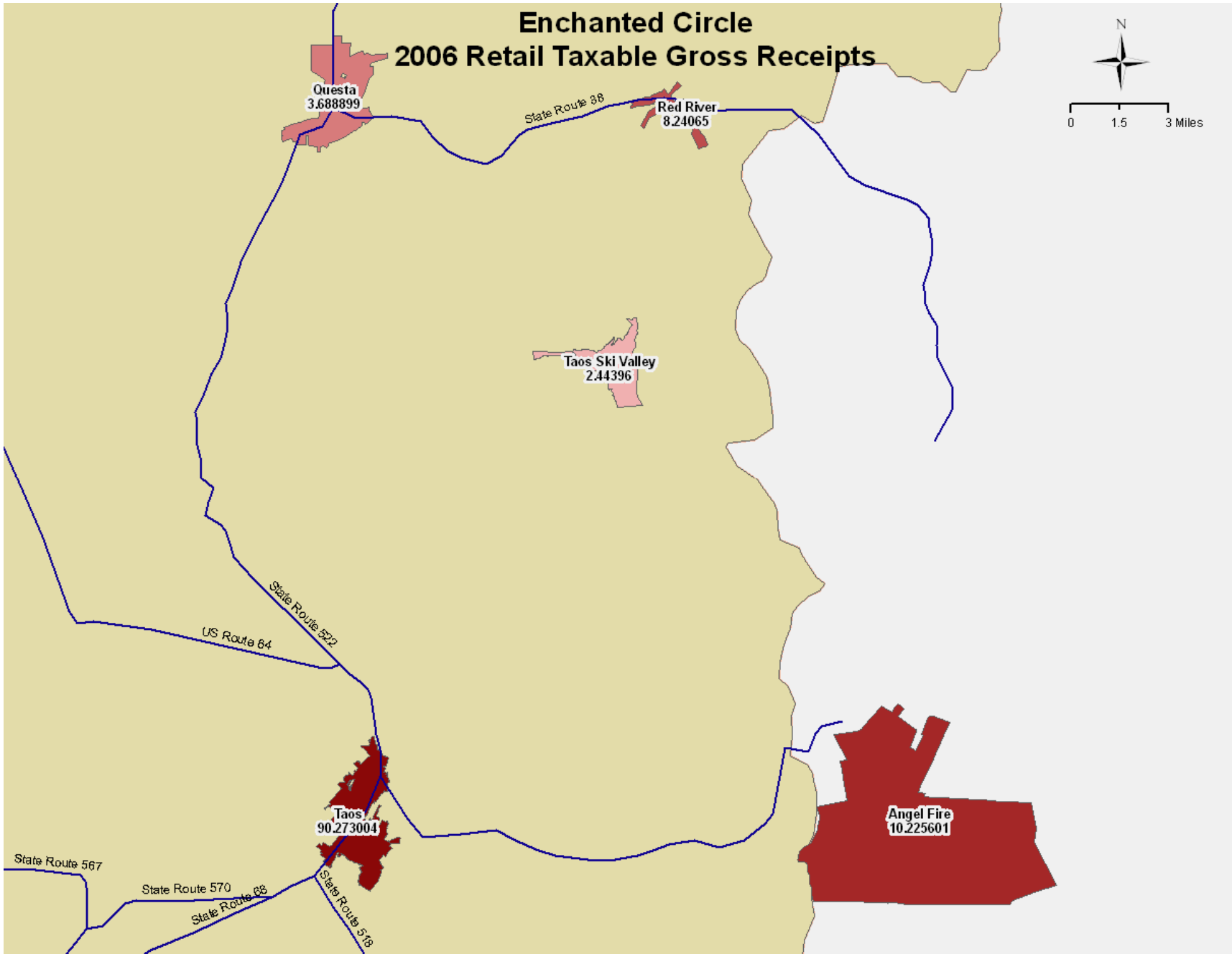
Enchanted Circle 2001 Retail Employment



Enchanted Circle 2006 Retail Employment



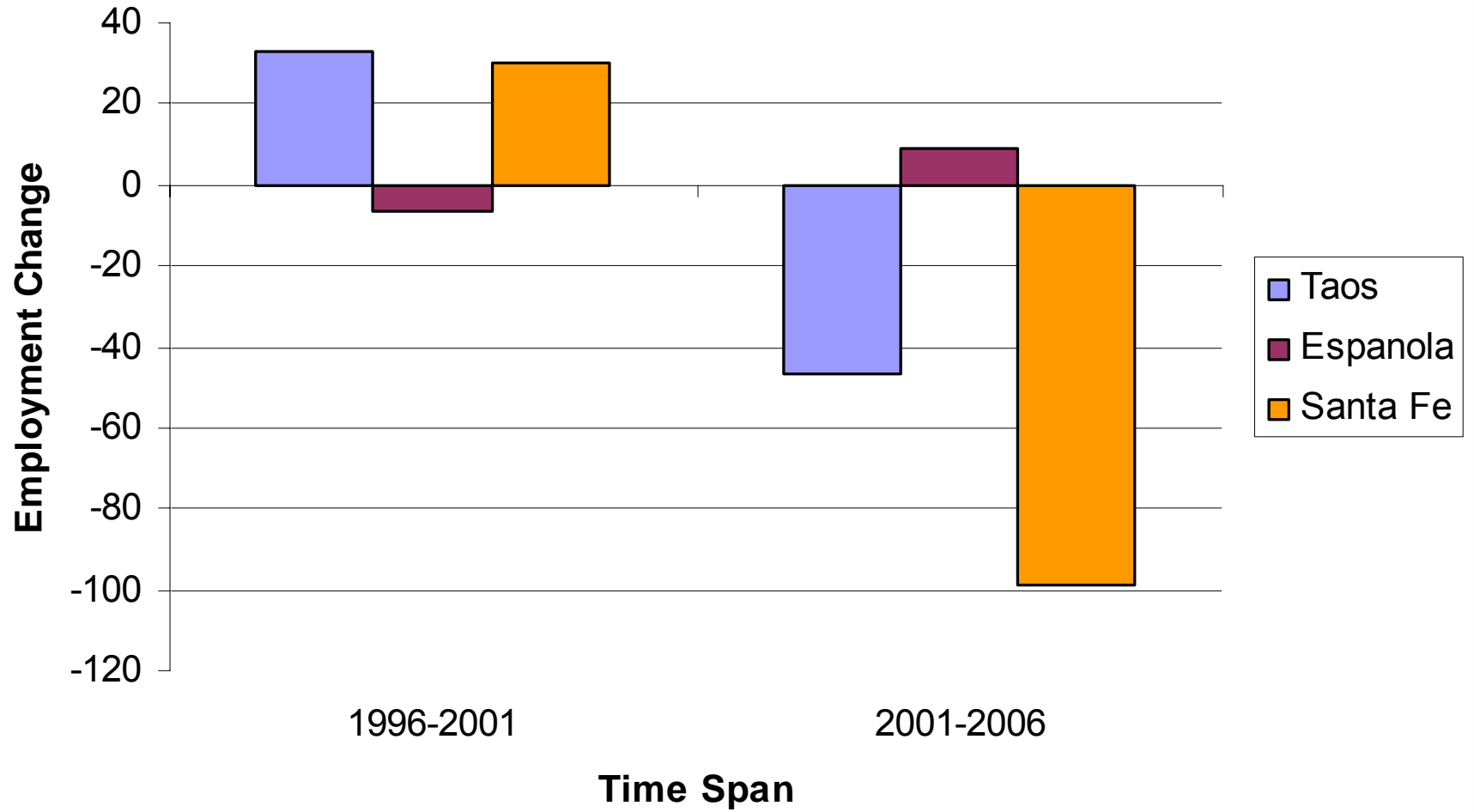
Enchanted Circle 2006 Retail Taxable Gross Receipts



Real Estate

- Housing market has not been doing well
- But Taos is doing better than Santa Fe
- Seems to be recovering well in the later part of 2006

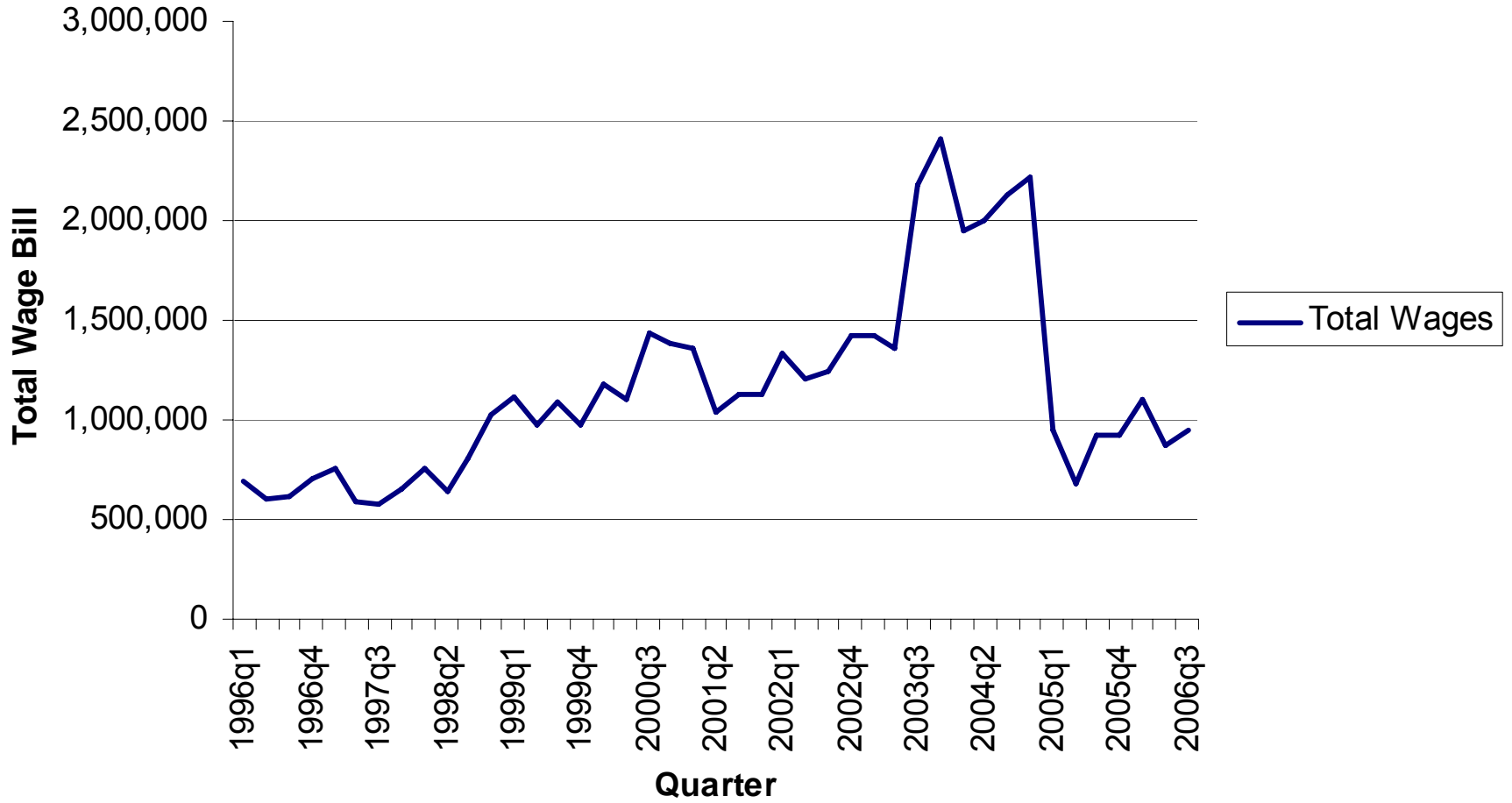
Real Estate Employment



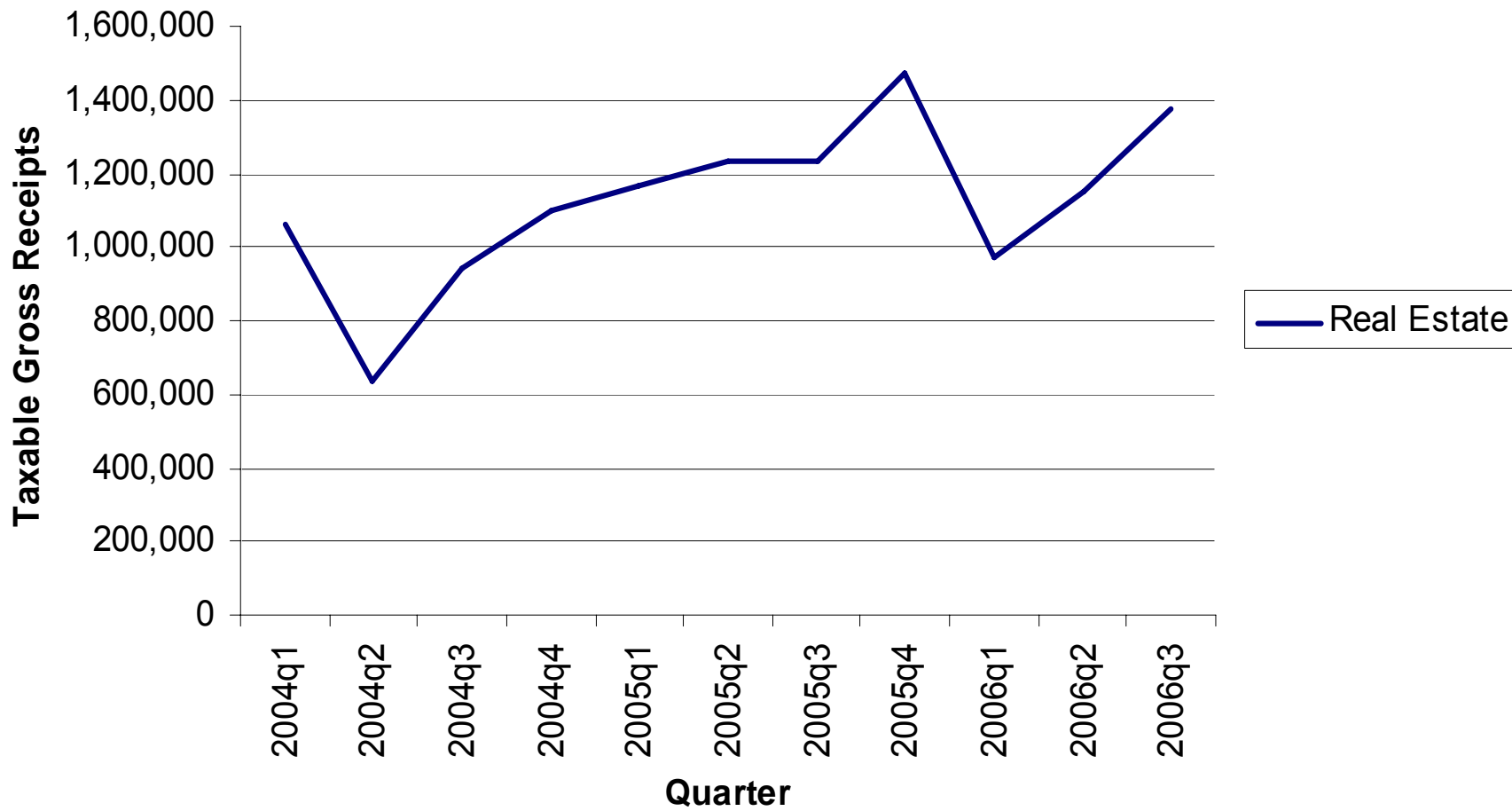
Real Estate



Real Estate: Total Wage Bill



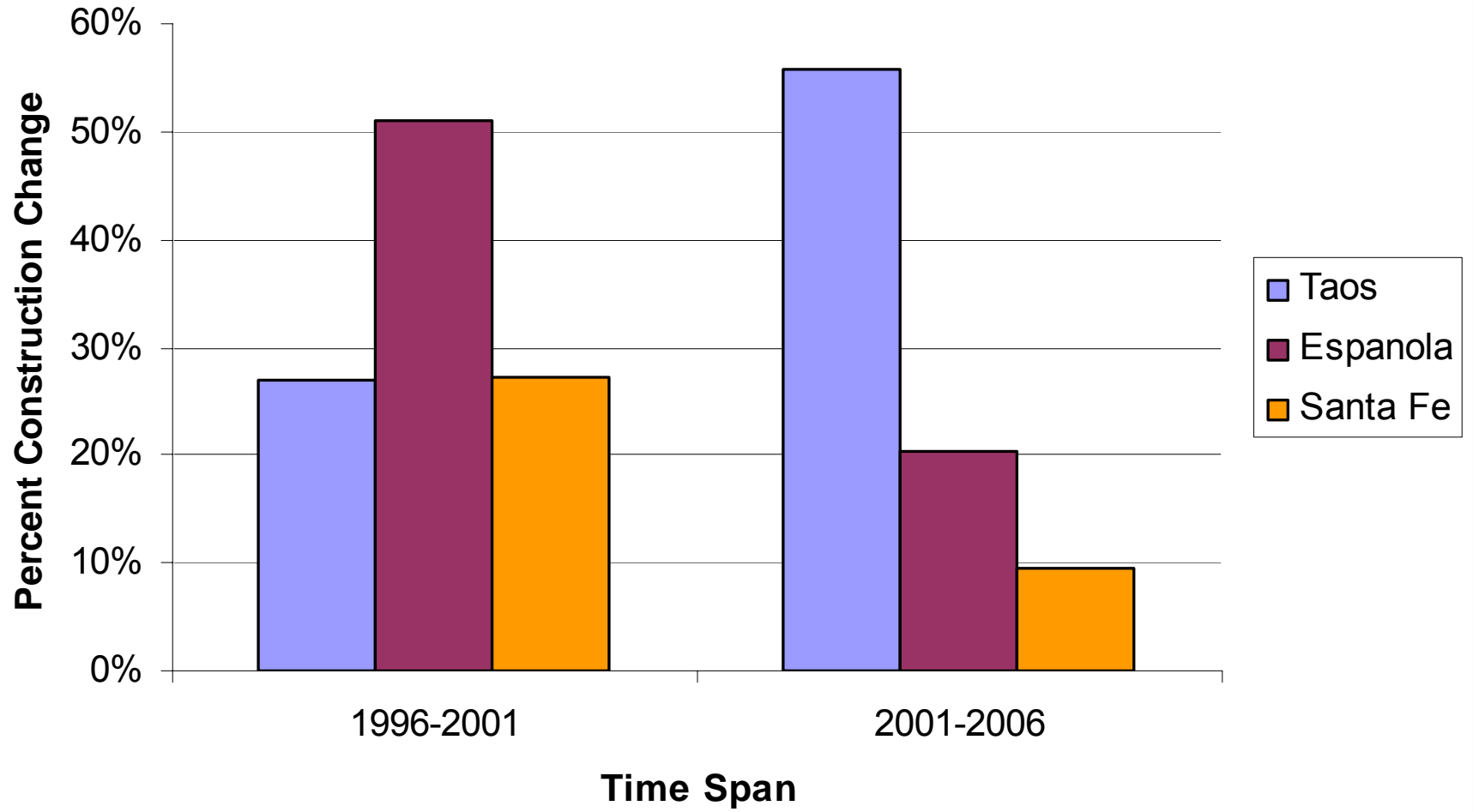
Real Estate: Taxable Gross Receipts



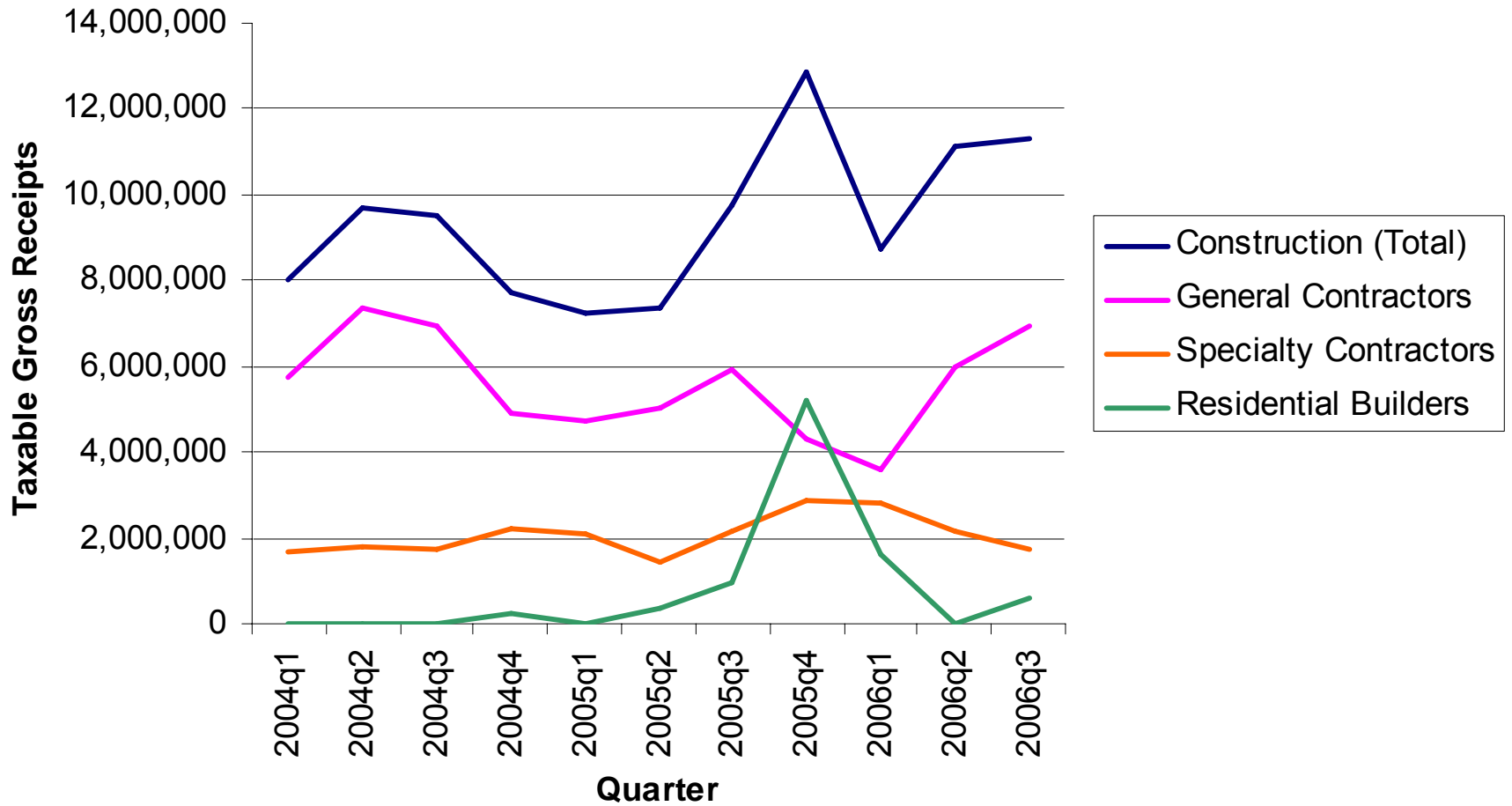
Construction

- Construction is doing very well, better than the rest of the region as a whole, including Santa Fe

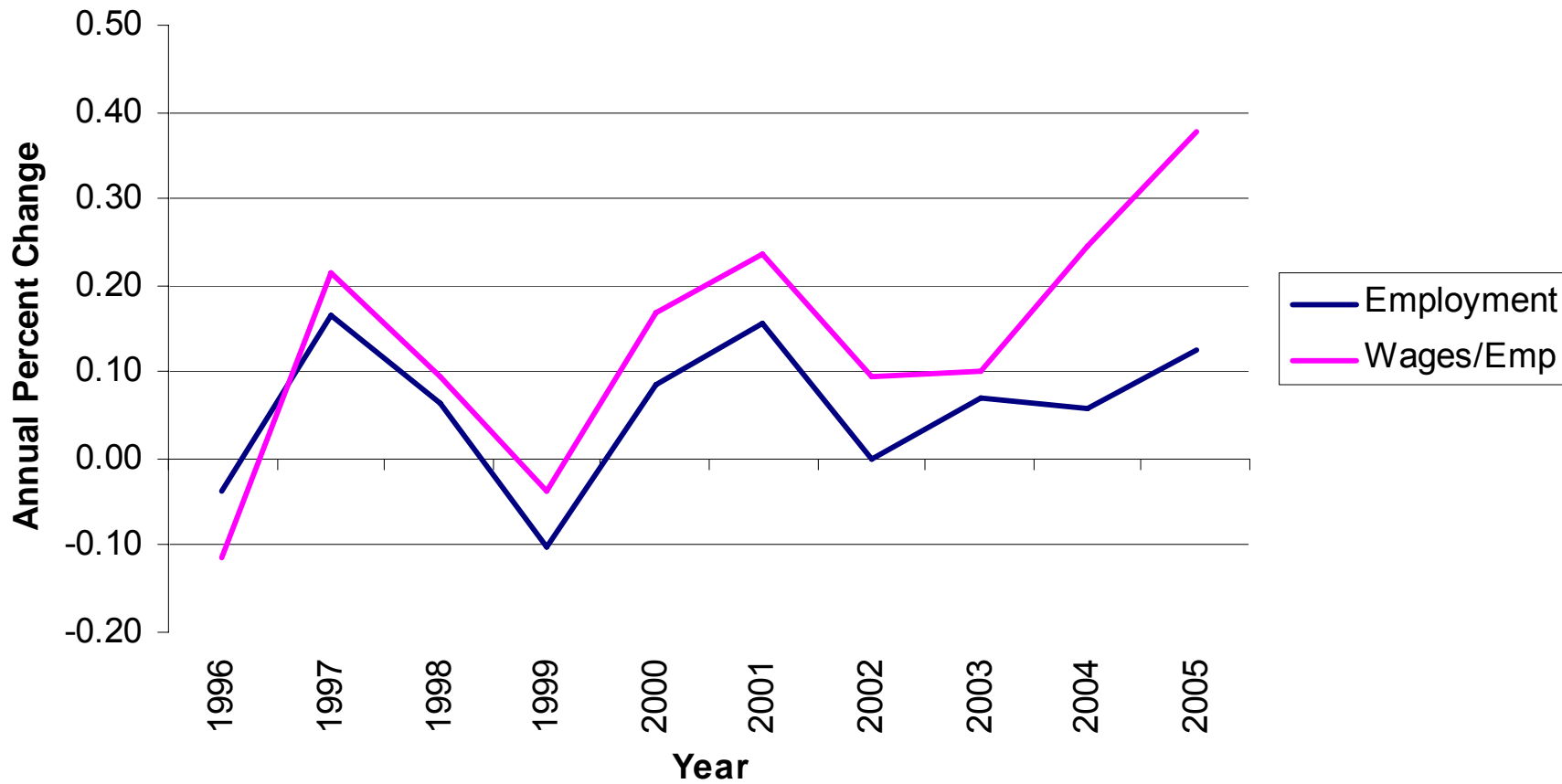
Strong Construction Growth in Taos



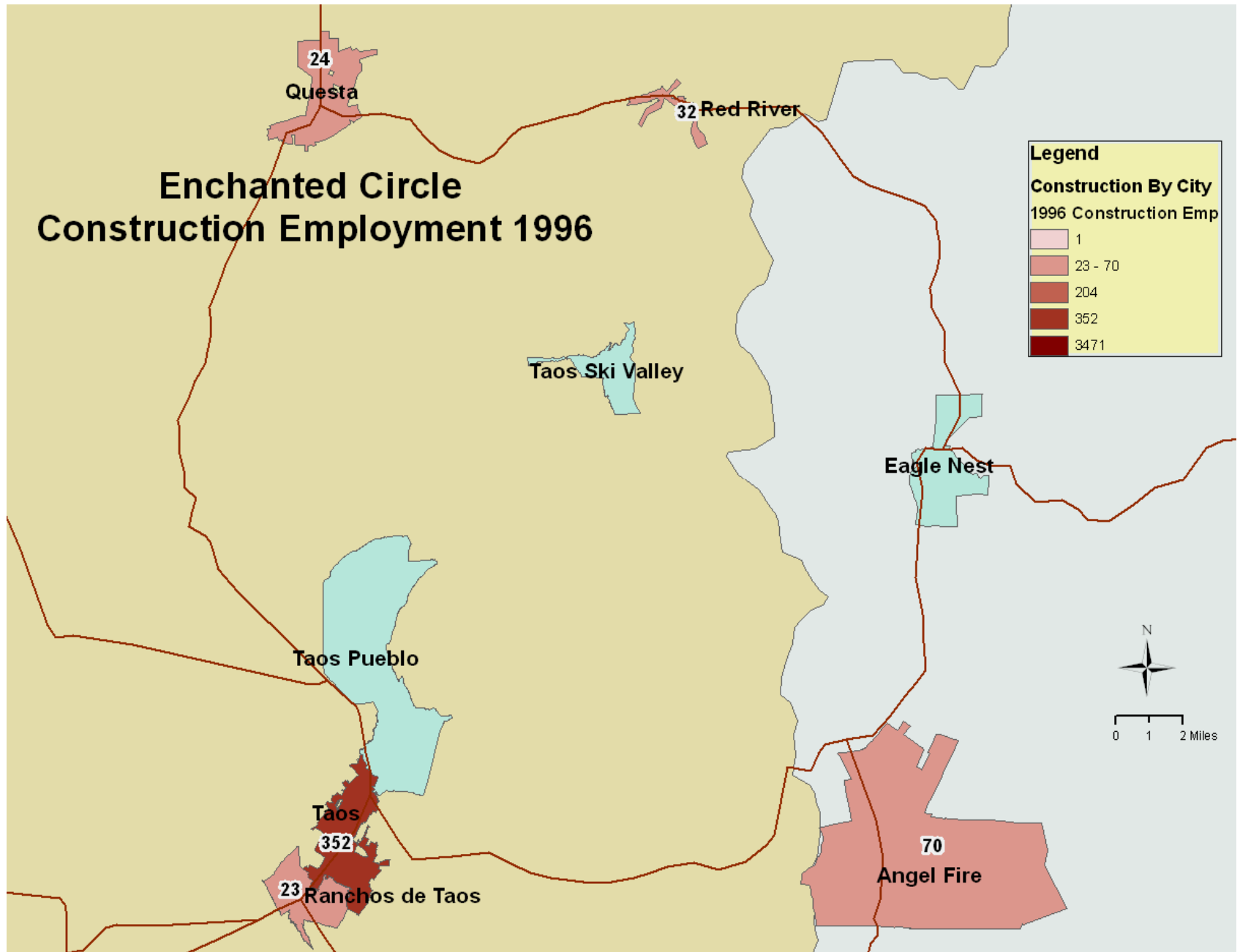
Construction: Taxable Gross Receipts



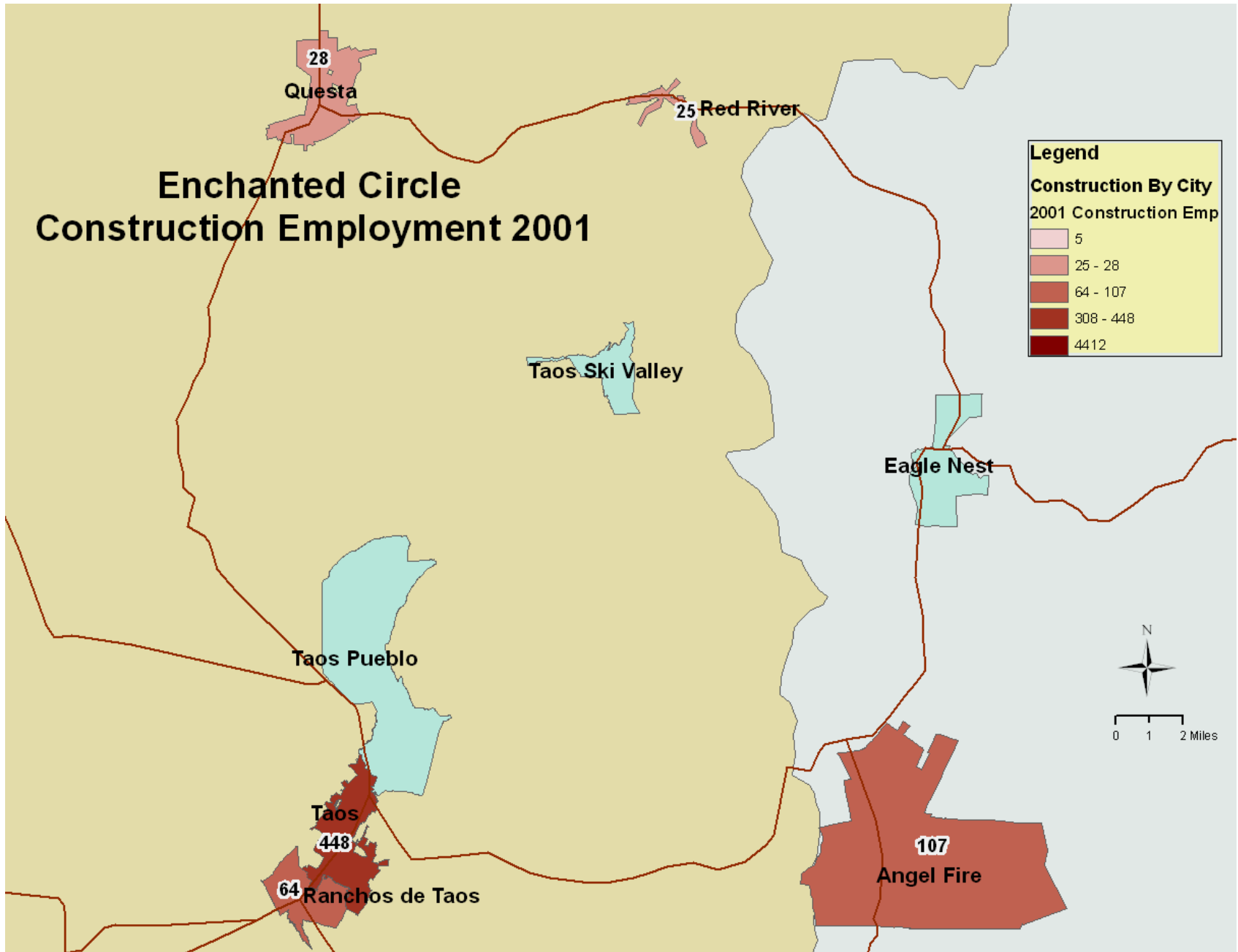
Construction: Annual Percent Change in Employment and Wage Bill Per Employee



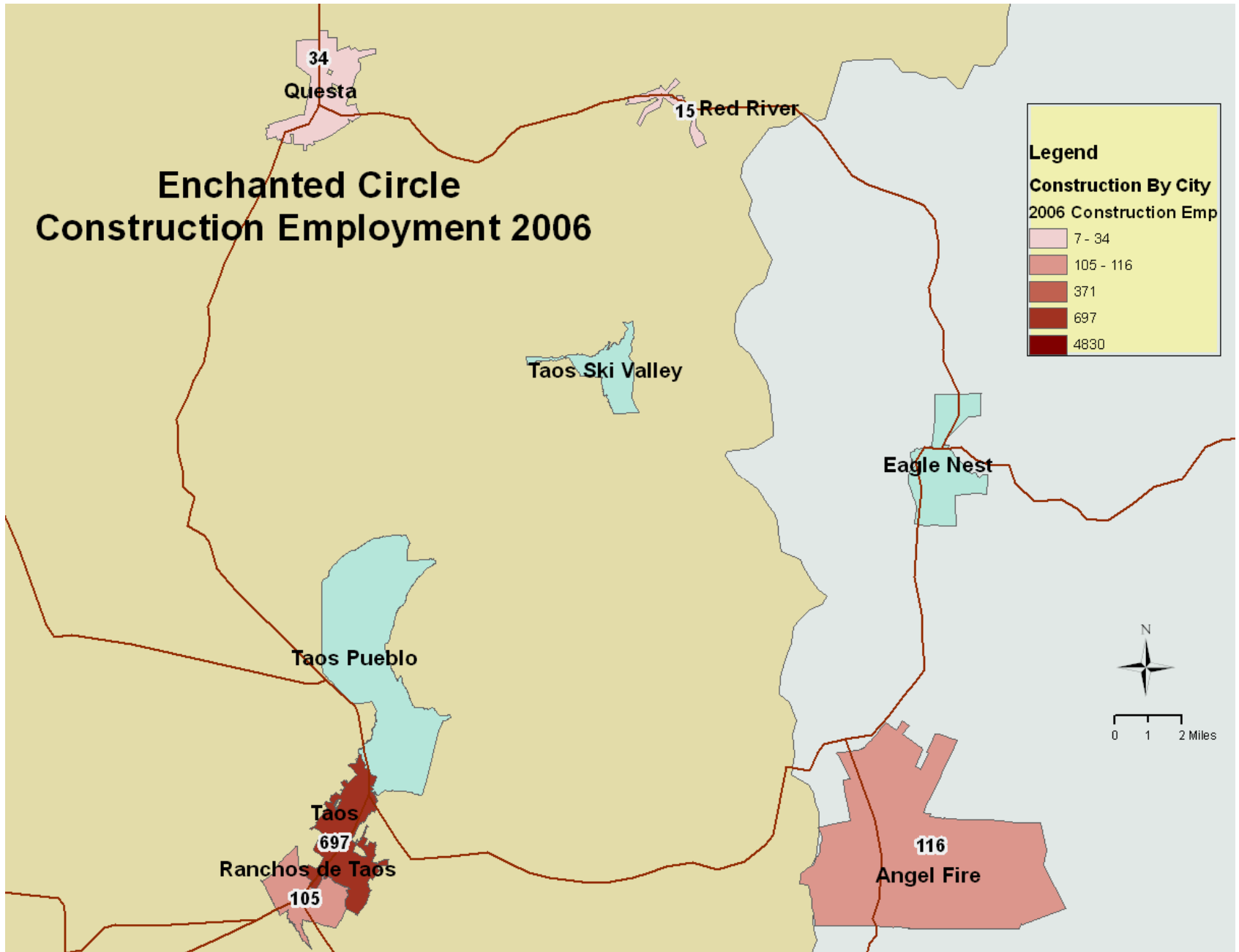
Enchanted Circle Construction Employment 1996



Enchanted Circle Construction Employment 2001



Enchanted Circle Construction Employment 2006



What Does It All Mean?

- Taos economy is doing better than in the past
- A number of Arts / Tourism related industries have had level or negative employment changes, but taxable gross receipts are up
- 2006 Q1 was particularly bad

National Trends, Local Issues

- U.S. is characterized by an aging demographic, a dangerously unstable housing market, and an increasing reliance on services (particularly “knowledge services”)

Taos In Context: Population

- Taos is facing both an aging demographic of local residents and migration from a wealthy older population
- Portion of youth is declining and will continue to decline
- Challenge is how to care for low income population as they age while still developing opportunities for youth

Taos In Context: Real Estate

- New Mexico housing market is considered the one of the strongest in the nation, so we may escape the worst of a housing crash.
- Albuquerque housing prices are forecasted to grow at 9% in 2007.
- Prices in Taos will almost certainly continue to rise for some time.

Current Future Danger

- Land use is perhaps the most important issue. Though restricting construction of new homes may be painful in the short term, the extreme rate of construction, combined with extremely high real estate prices and an aging population, is altering the character of the town.

Tourism has Problems

- Snow conditions have a strong effect on lodging, food, art dealers, and retail. Can't be controlled
- High levels of debt and a looming housing market slide suggest lower levels of travel across the United States

The Art Community

- Taos does seem to be losing it's strength as an art community, though perhaps more due to the strong growth of Santa Fe than losses in Taos (remember, taxable gross receipts for art dealers are growing).

Plugging Leakage Holes: Construction

- Residents
 - 31% in Taos County, but considered expensive
- Contractors
 - Large contractors are likely to get supplies from Española, but for smaller purchases it's not worth travel costs

Plugging Leakage Holes: Clothing

- Residents
 - 23% local purchases, with about 15% each in Santa Fe and Albuquerque
 - Clothing is specifically mentioned by several residents as something that is desired locally. They noted several expensive boutique shops and Wal*Mart, but very little in between the two

Capitalizing on Business Assets

- Movies and Film have high multipliers and Taos has experience with the industry
- Can specialty construction be leveraged to make Taos a regional center for quality cultural work?
- How can Taos encourage a potential knowledge base in professional services and technologies?

Recommendations from Businesses

- Encourage entrepreneurship in schools and through local mentorship programs
- Develop trade and craft skills in workers
- Create life skills classes, teaching basic budgeting, account balancing, etc...

Recommendations from Businesses II

- Beautify the town and take other steps to improve the quality of life, which also makes the town more attractive as a destination
- How much would tourist spending increase if parking meters and tickets were handled differently?
- Take steps to encourage a thoughtful, artistic, engaging culture, including an active night life, artistic events, etc...

Encourage Trade and Craft

- Trade services must be purchased locally
- Luxury / Boutique crafts and foods (e.g. Custom doors, drums, quality art) are fulfilling and have high value.
 - Almost always better for both workers and businesses than producing tourist trinkets.

Encourage Professional and Technical

- Ideal location for experienced web engineers. Some specialty goods and services benefit from an online presence.
- Architects, Landscapers, Accountants, Lawyers, and other professionals are always in need and are preferred local.

Media Creation

- Movies and Film have high multipliers and are being actively encouraged by the state.
- Taos has experience and history of involvement.
- More movie related professionals are taking up residence in Taos.
- Myriad of other industries:
 - Sound
 - Art
 - Construction
 - Food

Specialty is a National Trend

- Everyone knows big retail, but there are also big professional services.
- Small communities have to encourage goods and services that people want to buy locally (e.g. mechanics, specialty contractors, specialty services, local organic produce)
- Also boutiques: unique quality goods and specialized services.

Feedback!

- One week before a final version of this presentation is submitted to the Town.
- Please email or call me with thoughts, comments, or concerns.

The End

Nicholas Potter

505.277.7067

npotter@unm.edu