

# ESTIMATED ECONOMIC IMPACTS OF THE CATTLE RANCHING AND FARMING SECTOR ON THE ELKO COUNTY ECONOMY

Thomas R. Harris  
University of Nevada, Reno  
College of Agriculture, Biotechnology and Natural Resources  
Department of Resource Economics  
University Center for Economic Development

# AGRICULTURAL INCOME AND EXPENSES, ELKO COUNTY

**Table 2. Income Received and Expenses Paid by Farmers in Elko County from 1994 through 2004**

<b>Year</b>	<b>Cash Receipts and Other Income \$'s</b>	<b>Production Expenses \$'s</b>	<b>Realized Net Income \$'s</b>	<b>Farm Labor and Proprietor's Income \$'s</b>
1994	55,507,000	46,113,000	9,394,000	14,532,000
1995	45,086,000	43,380,000	1,706,000	8,114,000
1996	37,355,000	42,793,000	-5,438,000	5,482,000
1997	45,621,000	43,658,000	1,963,000	7,218,000
1998	48,066,000	44,406,000	3,660,000	9,283,000
1999	54,423,000	47,487,000	6,936,000	12,339,000
2000	66,987,000	54,081,000	12,906,000	12,575,000
2001	80,364,000	55,302,000	25,062,000	16,400,000
2002	61,250,000	56,061,000	5,189,000	11,091,000
2003	70,706,000	57,944,000	12,762,000	13,348,000
2004	77,582,000	56,949,000	20,633,000	13,686,000
Average	58,449,727	49,834,000	8,615,727	11,278,909
Standard Deviation	14,353,314	6,174,926	8,830,243	3,373,689
Coefficient of Variation	0.2418	0.1239	1.0249	0.2991

Source: U.S. Department of Commerce. Bureau of Economic Analysis

# Federal Lands by State

- Nevada has 83.1%
- Utah has 64.5%
- Idaho has 62.5%
- Eleven contiguous Western States have 47.0%
- U.S. has 28.8%

Source: USDI, Bureau of Land Management, Public Land Statistics, 1999

# Federal, State, Local Government and Private Sector Lands in Elko County, 2000.

Categories	Acreage	Share of Total (%)
Federal Agencies:		
Bureau of Land Management	6,783,518	61.72
Forest Service	1,068,877	9.73
Other Federal Agencies	5,930	0.05
Total Federal Lands		71.50
Native American Reservations	164,714	1.50
State Government Lands	26,518	0.24
Local Government and Private Sector Lands	2,940,628	26.76
<b>TOTAL</b>	<b>10,990,186</b>	<b>100.00</b>

Reference: Zimmerman, John and Thomas R. Harris. "An Update of Federal and State Land-Based Payments in Nevada." University Center Technical Report UCED 2000/01-06, University of Nevada, Reno 2000.



# EXPORTS AND IMPORTS

- Export sales bring dollars to the county economy which provides for future economic growth.
- Imports sales act as a leakage from the county economy.

# DIRECT IMPACTS

- In 2003, there were 142 economic sectors in Elko County.
- The Cattle Ranching and Farming Sector's value of output in 2003 was \$53.8 million which ranked it 8<sup>th</sup> among the 142 sectors.

# DIRECT IMPACTS

- The Cattle Ranching and Farm Sector employed 482 employees which ranked it 9<sup>th</sup> among the 142 sectors.
- The Cattle Ranching and Farm sector had labor income of \$3.9 million ranked 34<sup>th</sup> of the 142 sectors.

# SECTORAL EXPORTS AND IMPORTS

- The Cattle Ranching and Farming Sector had export sales of \$43.5 million in 2003 which is 4<sup>th</sup> among the 142 economic sectors.
- The Cattle Ranching and Farming Sector had imports of \$20.5 million in 2003 which ranked the sector 5<sup>th</sup> among the 142 sectors.
- In 2003, Elko County realized \$176 million more in imports than exports. This produces a balance of trade imbalance for Elko County.
- However exports for the Cattle Ranching and Farming Sector were \$23.0 million more than sectoral imports.
- The Cattle Ranching and Farming Sector was a positive contributor to the county's balance of trade.

# LOCATION QUOTIENT

- Location quotients estimate the economic base of a local economy.
- A location quotient greater than 1.25 indicates an export sector.
- The Cattle Ranching and Farming Sector ranked 6<sup>th</sup> highest location quotient with a value of 5.75.

# TOTAL ECONOMIC IMPACTS

- Direct output of \$53.8 million yields \$96.6 million or output multiplier of 1.80.
- Direct employment of 482 jobs yields 905 jobs or employment multiplier of 1.88.
- Direct household income of \$3.9 million yields \$14.4 million or income multiplier of 3.67.

# OVERVIEW

The Cattle Ranching and Farming sector plays an important role in the Elko County economy.

It is a basic economic sector.

Helps in the County Balance of trade.

Changes in Cattle Ranching and Farming sector activity will impact the economy and fiscal balances of Elko County.