

4-1972

An Input-output Study of the Economy of Northeast Texas

John W. Adams
Texas A&M University

Follow this and additional works at: https://researchrepository.wvu.edu/rri_ioacctdata

Recommended Citation

Adams, John W., "An Input-output Study of the Economy of Northeast Texas" (1972). *Accounts and Data*. 65.

https://researchrepository.wvu.edu/rri_ioacctdata/65

This Article is brought to you for free and open access by the RRI Input-Output Archive at The Research Repository @ WVU. It has been accepted for inclusion in Accounts and Data by an authorized administrator of The Research Repository @ WVU. For more information, please contact beau.smith@mail.wvu.edu.

ABSTRACT

TITLE : An Input-Output Study of the Economy of Northeast Texas

AUTHOR : John W. Adams

SUBJECT : Input-Output Models and Interregional Economics

DATE : April 1972

LOCAL PLANNING AGENCY : Office of the Governor
Division of Planning Coordination
State of Texas

SOURCE OF COPIES : Clearinghouse for Federal Scientific and Technical Information, Springfield, Va. 22151
Office of the Governor, Division of Planning Coordination, Capitol Station, Box 12428, Austin, Texas 78711
For reference: HUD Regional Office Library, Region V, Fort Worth, Texas
HUD Library, Washington, D.C.
State Depository Library, University of Texas, Austin, Texas 78712
Planning school libraries, Depository libraries

HUD PROJECT NO. : Tex P-313

SERIES NO. : Not applicable

NO. OF PAGES : 110

ABSTRACT : In this study, three tables common to all Input-Output studies; the Transactions Table, the Direct Requirements Table and the Interdependence Table, were developed using primary data for all industries except agriculture which was developed from secondary data. The Input-Output Model is composed of 74 producing industries, 9 final demand sectors and 9 final payments sectors.

During 1967, the economy of Northeast Texas recorded total sales of goods and services valued in producer's prices of \$5.58 billion. Wages received amounted to \$1.59 billion; residual income amounted to \$38.8 million; taxes paid to federal, state and local government amounted to \$330.96 million. Total exports exceeded total imports by \$358.4 million in 1967. Crude petroleum was the largest single export.

The final demand multipliers ranged from 2.27 for the dairy processing industry to a low of 1.029 for the apparel industry.

AN INPUT-OUTPUT STUDY OF
THE ECONOMY OF NORTHEAST TEXAS

Texas
Interindustry
Project

John W. Adams
Department of Agricultural Economics
Texas A&M University
Texas Agricultural Experiment Station

April, 1972

The preparation of this report was financed in part through an urban planning grant from the Department of Housing and Urban Development, under the provision of Section 701 of the Housing Act of 1954, as amended.

OFFICE OF THE GOVERNOR
DIVISION OF PLANNING COORDINATION

PRESTON SMITH
GOVERNOR OF TEXAS

FORWARD

This study of the Northeast Texas economy is one of nine regional projects contracted by the Division of Planning Coordination, Office of the Governor, to estimate the interindustry relationships for each of nine regional economies and to supply data which would be used to estimate the interindustry relationships of the Texas economy. The Northeast Texas regional project and the other eight regional projects were initiated in February, 1969.

The interindustry study of the Northeast Texas regional economy was undertaken by personnel of the Texas Agricultural Experiment Station Department of Agricultural Economics and Rural Sociology under contract with the Division of Planning Coordination, Office of the Governor. The principal results of this study are embodied in a set of input-output tables which quantitatively describe the industrial interrelationships of producers in Northeast Texas. In a significant sense, the results of this study represent the pooled body of knowledge about markets and sources of supply of business firms in Northeast Texas.

PREFACE

Professor Wassily Leontief of Harvard University published the first Input-Output analysis of the U. S. Economy in 1936. As opposed to other analytic tools used by economists which emphasize understanding of economic phenomena through economic variables, such as employment, income, the interest rate, the price level, gross product, value added, and investment, Leontief's Input-Output techniques dealt with the problem of understanding the structure of specialized functioning economies, and the ways in which the individual parts influence each other. The Input-Output technique permits the analyst to classify and organize transactions data generated by the economy into mathematical relationships or statements which represent or model the workings of the economy during some chosen time period. The models systematically display each economic sector's sales and purchases transactions, quantitatively measure outputs and inputs of each sector for the time period chosen, and a solution of the system of equations provides quantitative estimates of intersectoral or interindustry relationships.

Since Leontief's first Input-Output publication in 1936, Input-Output Models of the U. S. Economy have been published by the Bureau of Labor Statistics of the U. S. Department of Labor and by the Office of Business Economics of the U. S. Department of Commerce. The former was for the year 1947 and the latter was for the years 1958 and 1963. A number of other national Input-Output Models have been prepared, including models for Japan, The United Kingdom, France, Sweden, The Netherlands, Russia and Israel. In recent years, Input-Output Models of statewide economies of states within the United States have been published. Notable examples are those for West Virginia, Kansas, Washington, Arizona, Nebraska, North Carolina, New Mexico and Mississippi. Other recent studies of regions and parts of states include The Lower Colorado Region, parts of California, Pennsylvania, Oklahoma and Texas.

Governments and industries alike have found the information provided by Input-Output Models to be useful in planning future activities and assessing the economic impacts of selected investments and policies. Industries such as Western Electric, Celanese Corporation, and United States Steel Corporation have used Input-Output analysis to assist in the planning of procurement of input materials, intraindustry management of diverse but interrelated departments and the estimation of expected direct and indirect consumption of products produced both by direct customers as well as the customers of their respective customers several times removed. Notable uses of Input-Output Models by governmental agencies are the evaluations of economic impacts of public facility construction, defense spending, and water project construction.

In 1968, the Population and Economics Task Force of the Planning Agency Council for Texas initiated an extensive interindustry study of the Structure of the Texas Economy. Funding was obtained through a U. S. Department of Housing and Urban Development 701 Comprehensive Planning Grant with one-third state and two-thirds federal monies. Project administration, leadership, and direction was placed in the Division of Planning Coordination of the Office of the Governor.

The major aim of the statewide program was the estimation of Input-Output Models of regional economies within Texas and of the Texas economy for 1967. The models desired were those that would be estimated from a sample of primary data as opposed to methods used in some other studies such as derivation of regional models from the most recent National Input-Output Model of the U. S. Economy. Although the major objective was the estimation of Input-Output Models from primary data, it was necessary to have access to secondary data for the purpose of calculating a part of the Input-Output Model parameters, including the individual sector or industry output totals. The study year 1967 was chosen since 1967 was the most recent year for which complete censuses of manufacturing, business, transportation, and mineral industries were available for Texas. These censuses were the major sources of secondary data from which output totals for 1967 could be calculated.

Nine Texas Universities were invited by the Governor of Texas to participate in the project. For study purposes, Texas was divided into nine regions and the Governor's Office initiated a series of contracts with each of the nine participating universities (later reduced to eight) for the estimation of a specific regional Input-Output Model, including the collection of data from a sample of manufacturing and business establishments of the region. Each contract provided for a regional project staff and a regional project director at each participating university. The contractual arrangement further provided for uniform coordination of regional projects to the extent that definitions and standard questionnaires, data processing procedures and data classification procedures, as determined through the leadership of the statewide project director's office, would be followed in the conduct of each respective regional study.

The state project director's office established the sampling procedure and drew the sample of establishments to be interviewed within each region. Throughout the project, the state project director's office issued general guidelines, special reports prepared by individual consultants to the project, and conducted a part of the secondary and primary data processing. Regional project directors participated in the formulation of research guidelines through periodic project directors' meetings and in "special reports" to the state director's office. The regional project staffs conducted the surveys, prepared the survey data for computer data processing, transmitted copies of the survey data to the state director's office where they were combined with similar data from other regions and used in the estimation of a state Input-Output Model. In addition, each regional project staff analyzed the data and estimated the Input-Output Model for its particular region.

The Texas Agricultural Experiment Station conducted the Northeast Texas regional project. This report presents the Input-Output Model and suggests some types of analysis that can be made of the regional economy. The Input-Output analysis and interpretations are those of the author and do not necessarily represent the views of the State Project Director, the Office of the Governor, nor the U. S. Department of Housing and Urban Development.

Herbert W. Grubb, Ph.D.
Texas Input-Output Project Director

TABLE OF CONTENTS

ABSTRACT..... iv

LIST OF TABLES..... v

LIST OF FIGURES..... vi

INTRODUCTION..... 1

PURPOSE AND OBJECTIVES..... 1

THE NORTHEAST TEXAS REGION..... 3

 Population..... 3

 Business Activity and Income..... 5

ANALYTICAL TECHNIQUE..... 11

 Input-Output..... 11

 Regional Delineation..... 14

 Time Period..... 14

 Gross Output..... 15

 Producer's Prices..... 15

 Secondary Production..... 15

 Special Treatment of Trades and Financial Intermediaries..... 15

EMPIRICAL TECHNIQUE..... 16

 Industry Definition..... 16

 Data..... 17

 Response Rates and Coverage..... 21

 Allocation of Purchases..... 21

RESULTS..... 24

 The Transaction Table for Northeast Texas..... 24

 The Direct Requirements Table for Northeast Texas..... 31

 The Interdependence Table for Northeast Texas..... 32

SOME APPLICATIONS OF THE INPUT-OUTPUT TABLES..... 40

LITERATURE CITED..... 49

REFERENCES..... 50

APPENDIX..... 51

LIST OF APPENDIX TABLES

| Table | | Page |
|-------|---|------|
| 1 | Transactions Table for the Northeast Texas Economy, 1967. | 51 |
| 2 | Direct Requirements per Thousand Dollars of Output, Northeast Texas. | 71 |
| 3 | Interdependence Table, Northeast Texas. | 89 |
| 4 | Data Sources Used in Estimating Northeast Texas Industry Coefficients | 107 |

LIST OF TABLES

| Table | | Page |
|-------|--|------|
| 1 | Regional income, source of income, and percent change in total income by counties for Northeast Texas, 1963-64 and 1968-69. | 8 |
| 2 | Hypothetical example of an input-output transaction table. | 12 |
| 3 | The Northeast Texas input-output model with appropriate comparative listings of SIC firm classification codes, 1967. | 18 |
| 4 | Percent coverage by number of respondent establishments and purchases for those industries interviewed in Northeast Texas. | 22 |
| 5 | Value created, by industry in Northeast Texas, 1967. | 27 |
| 6 | Percent of total sales made to other local industries and to final demand by industry in Northeast Texas, 1967. | 30 |
| 7 | Total of each Industry's output attributable to each major category of final demand, Northeast Texas, 1967. | 32 |
| 8 | Percent of total purchases for intermediate inputs, value created and imports by industry in Northeast Texas, 1967. | 35 |
| 9 | Final demand output multipliers associated with each industry in Northeast Texas, 1967. | 37 |
| 10 | Economic impact of a one million dollar increase in final demand for the output of the meat products industry on a industry-by-industry basis. | 41 |

LIST OF FIGURES

| Figure | | Page |
|--------|--|------|
| 1 | The nine regions which comprise the Texas Interindustry Project and the universities which were responsible for each of the regional input-output studies. | 2 |
| 2 | The Northeast Texas Region and the counties which comprise the region. | 4 |
| 3 | Total population, by census years, for Northeast Texas. | 5 |
| 4 | The 1970 population and percent change from 1960 to 1970 by county for Northeast Texas. | 6 |
| 5 | Rural and urban population by census year, Northeast Texas. | 7 |
| 6 | Percent of total employed work force in manufacturing industries, by selected years, Northeast Texas. | 9 |
| 7 | Median income and percent of families earning less than \$3,000 in Northeast Texas, 1967. | 10 |

I N T R O D U C T I O N

Within Texas there is an increased awareness of economic interdependence and an expansion of regional economic planning activities. This has resulted in a need for information which can be used to evaluate changes in economic activity in a region and the impact of changes on regional output, including the distribution of associated benefits and costs throughout the regional economy.

At the national level vast quantities of economic information are available; however, at the state and local level, only a limited amount of economic data are available for use by businessmen and state and local government officials. Businessmen need information about the market structure and regional aspects of the areas in which they operate. In considering tax policy, capital expenditure, and related planning, governmental decisionmakers also need detailed information about the structure of the economy and the impact of factors which affect its performance. The need for such economic data has resulted in this study which provides the data to businessmen and government decision-makers concerning the economy of Texas.

Because the resources and the economy of Texas are so diversified, nine separate regional areas have been defined and economic data have been collected for these areas. Those cooperating in the regional and State studies are: The Division of Planning Coordination of the Governor's Office, and eight universities in Texas. One university conducted two regional studies. Each of the eight universities was responsible for the development of a regional economic model, collecting regional economic data, and providing regional data to personnel in the Division of Planning Coordination who developed the State model.

Personnel of the Texas Agricultural Experiment Station at Texas A&M University are responsible for collecting and analyzing data for the Northeast Texas Region. The other eight regions and the universities conducting research in these regions are shown in Figure 1.

PURPOSE AND OBJECTIVES

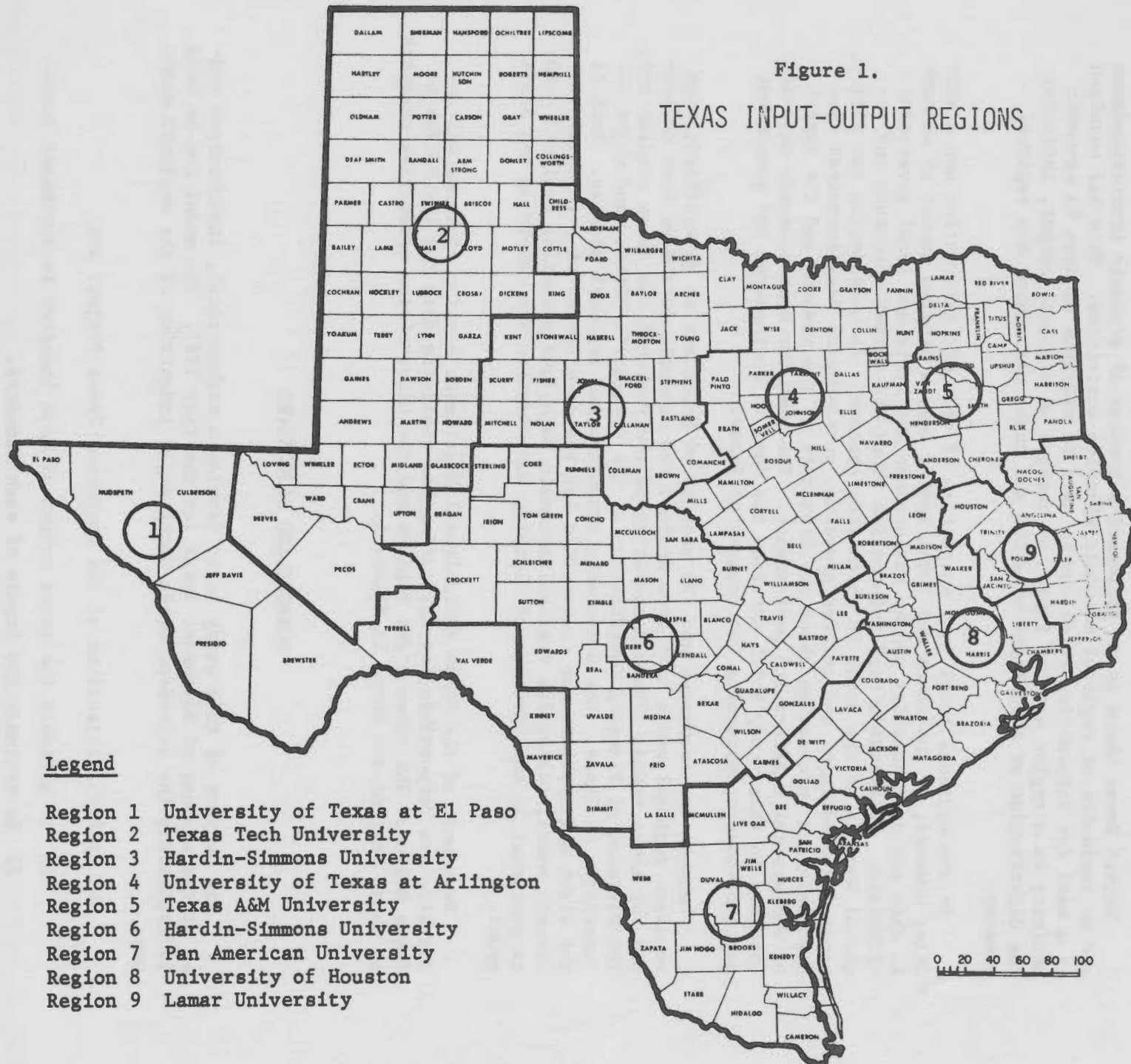
The purpose of this study is to develop a mathematical, input-output model of the economy of Northeast Texas for the Year 1967. The model can be used in estimating the interdependence among major industries of the regional economy.

The specific objectives of the Northeast Texas Project are:

- 1) To estimate the gross output of each industry in Northeast Texas.
- 2) To estimate the inputs of each industry.
- 3) To estimate the interdependency among producing industries.

Figure 1.

TEXAS INPUT-OUTPUT REGIONS



Legend

- Region 1 University of Texas at El Paso
- Region 2 Texas Tech University
- Region 3 Hardin-Simmons University
- Region 4 University of Texas at Arlington
- Region 5 Texas A&M University
- Region 6 Hardin-Simmons University
- Region 7 Pan American University
- Region 8 University of Houston
- Region 9 Lamar University

THE NORTHEAST TEXAS REGION

The Northeast Texas region, as defined in this study, is composed of 23 contiguous counties in the extreme northeast corner of the State, Figure 2. The region shares common boundaries with the states of Oklahoma, Arkansas and Louisiana. Most of the counties in this region are located in the East Texas Timberlands Land Resource Area, although the northwest corner of the region covers a portion of the Blackland Prairie Land Resource Area [1].

Geographically, Northeast Texas can be described as being nearly level to gently undulating forested areas, generally well dissected and locally hilly. Elevation ranges from 200-700 feet above sea level. The average annual rainfall ranges between 40-56 inches and the average growing season, or number of frost free days, ranges from 235-265 days.

Cotton production, oil exploration and production of crude oil have played an important role in the development and history of the area. Cotton and oil no longer play the role they once did, although crude oil production is still one of the major economic enterprises in the region.

Population:

Historically, Northeast Texas has experienced periods of rapid growth and decline. During the 40 year period 1900-1940, the population of the region increased from 491,385 to 719,652. But in the next 20 years, 1940-1960, population decreased from 719,652 to 605,466. During the last 10 years, 1960-1970, the rapid decline in population has been reversed and population has once more started to increase, Figure 3.

Between 1960 and 1970, the population of Northeast Texas increased from 605,466 to 638,345 or an increase of 32,879.^{1/} This growth in population has not been spread evenly over the region. Four counties, Bowie, Gregg, Henderson and Smith, accounted for 90 percent of this growth. Population by county and the percentage change between 1960 and 1970 is shown in Figure 4.

Not only has total population been changing; so has the number of people living in urban areas. In 1940 the population of the region was classified as being 76.2 percent rural and 23.8 percent urban. By 1960 rural population had fallen to 53.5 percent of the total, while urban population had increased to 46.5 percent. About 1963 the number of people classified as rural and those classified as urban were equal. Since 1963, urban population has continued to increase while rural population has declined, Figure 5.

Much of the change in population can be associated with major economic events that influenced the entire nation. In the early 1900's agriculture was experiencing some of its better years. Oil exploration and oil production, a local phenomena, was attracting people to the region. During the depression years, 1929-1940, many people returned to

^{1/} During 1950-1960 all but three counties lost population and the total population was down 40,798.

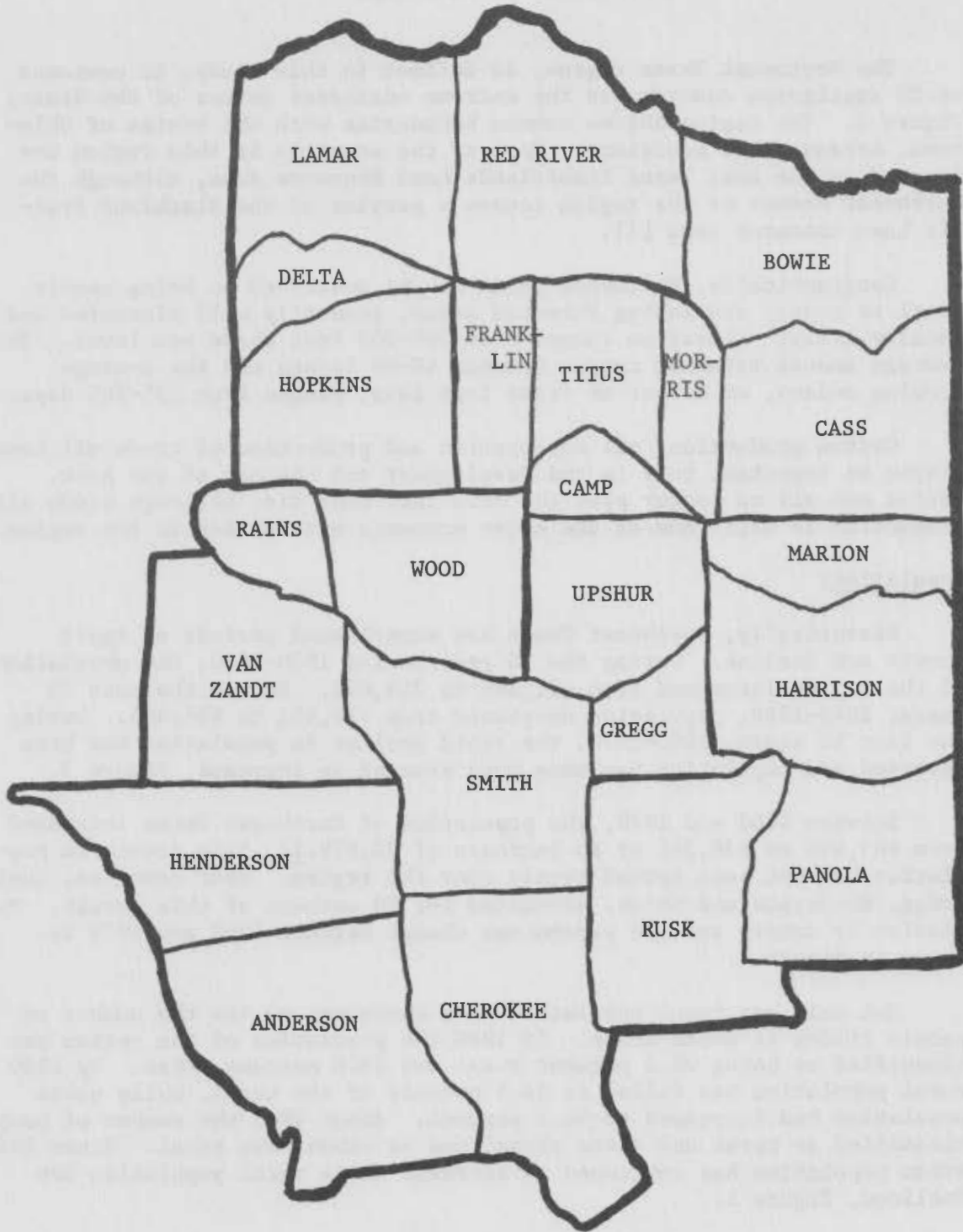


Figure 2. The Northeast Texas Region and the counties which comprise the region.

the rural areas. During World War II many defense jobs became available and an exodus to urban areas started. The location of new industries and the expansion of existing industries in the urban centers of Northeast Texas, such as Tyler, Texarkana and Longview attracted many rural people.

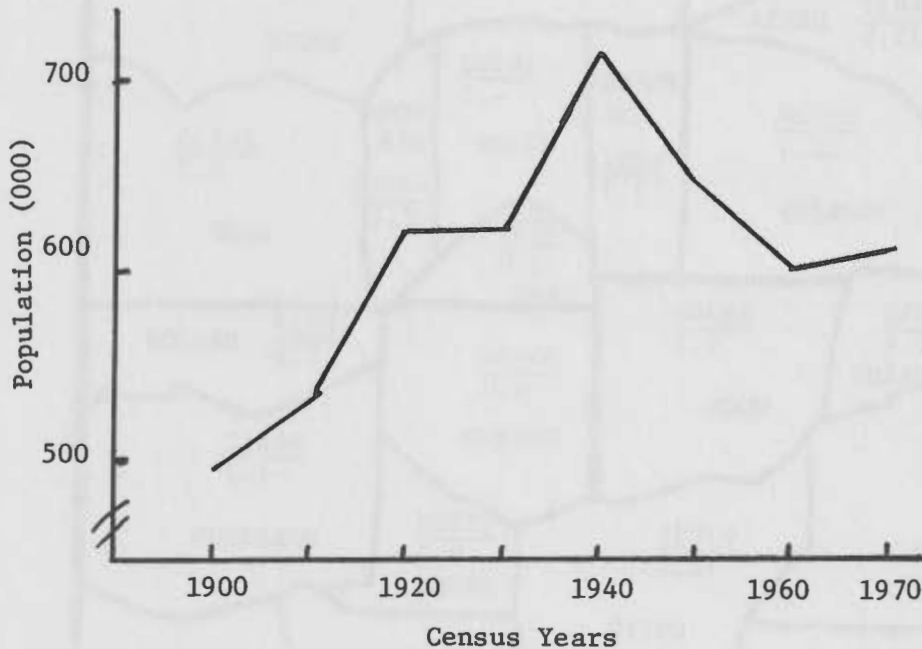


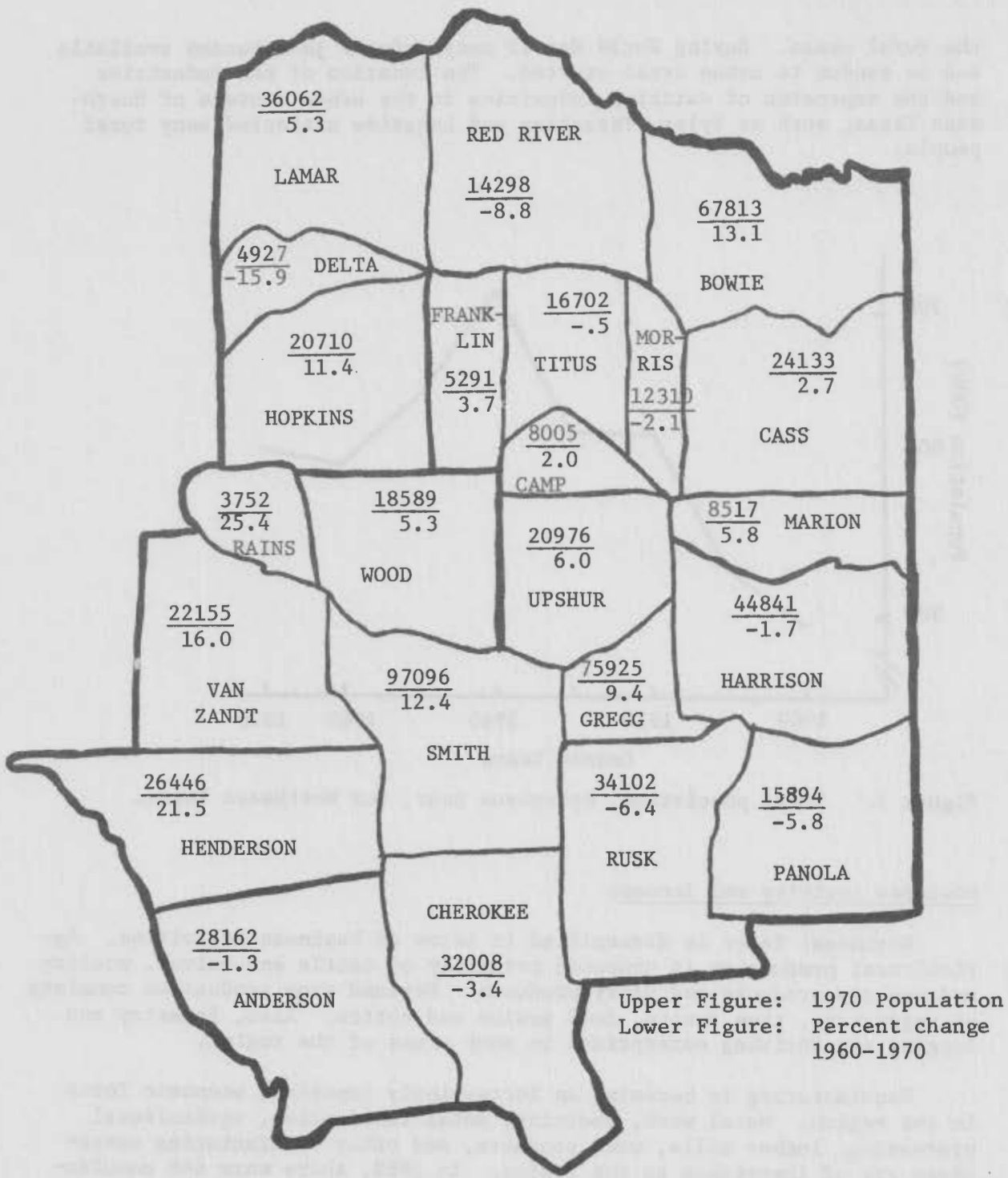
Figure 3. Total population, by census year, for Northeast Texas.

Business Activity and Income:

Northeast Texas is diversified in terms of business activities. Agricultural production is composed primarily of cattle and calves, poultry and poultry products and dairy products. Dryland crop production consists of vegetables, tree fruits, feed grains and cotton. Also, forestry and logging are thriving enterprises in many areas of the region.

Manufacturing is becoming an increasingly important economic force in the region. Metal work, smelting, metal fabrication, agricultural processing, lumber mills, wood products, and other manufacturing operations are of importance to the region. In 1968, there were 646 manufacturing plants located in Northeast Texas, of which 35 firms had more than 250 employees, 265 had between 20 and 249 employees, and 346 firms had between 1 to 19 employees.

Another indication of the growing importance of manufacturing is the percentage of the total work force engaged in manufacturing. From 1960 to 1967 the percentage of the work force engaged in manufacturing has increased from 16 percent to 23 percent, and to 26 percent in 1969, Figure 6.



Source: U.S. Bureau of the Census: U.S. Census of Population 1970, U.S. Government Printing Office, Washington D.C.

Figure 4. The 1970 population and percent change from 1960 to 1970 by counties for Northeast Texas.

In addition to agriculture and manufacturing, petroleum and natural gas production provides a base upon which viable wholesale and retail trade industries thrive. Regional statistics which provide a general depiction of the region's economy by county and recent changes in terms of total income derived from major economic categories are presented in Table 1.

Total regional income increased by 20.7 percent or \$198,999,000 from 1963-64 to 1968-69. Not all major economic categories have shared in

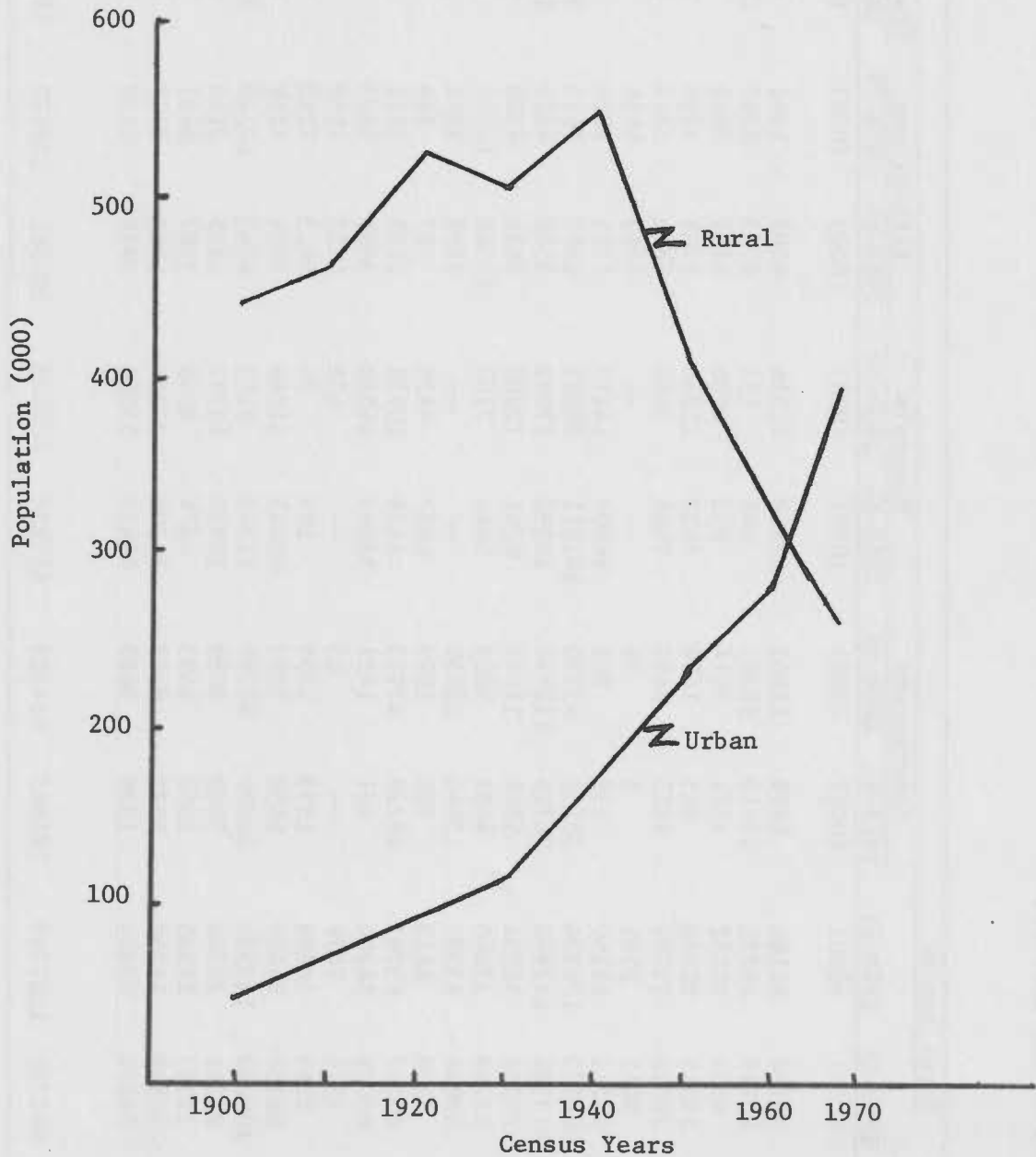


Figure 5. Rural and urban population by census year, Northeast Texas.

Table 1. Regional income, source of income, and percent change in total income by counties for Northeast Texas, 1963-64 and 1968-69.

| County | Total Income | | | | | | | | | | % Change in Total Income |
|-------------------|--------------|---------|-------------|---------|----------|---------|-------------|---------|--------------------|---------|--------------------------------|
| | | | Manufacture | | Minerals | | Agriculture | | Trade and Services | | |
| | 1963-64 | 1968-69 | 1963-64 | 1968-69 | 1963-64 | 1968-69 | 1963-64 | 1968-69 | 1963-64 | 1968-69 | |
| | (000) | (000) | (000) | (000) | (000) | (000) | (000) | (000) | (000) | (000) | |
| Anderson | 38774 | 45186 | 9879 | 11062 | 19958 | 22516 | 4167 | 5042 | 4770 | 6566 | 16.5 |
| Bowie | 40727 | 49231 | 17410 | 15581 | 441 | 151 | 6743 | 9160 | 16133 | 24339 | 20.9 |
| Camp | 4357 | 10152 | 1374 | 3014 | 932 | 2835 | 1155 | 3065 | 896 | 1238 | 133.0 |
| Cass | 14265 | 20380 | 645 | 1408 | 7932 | 11860 | 2701 | 3206 | 2987 | 3906 | 42.9 |
| Cherokee | 29010 | 32709 | 6815 | 9655 | 7581 | 3611 | 7400 | 7745 | 7214 | 11698 | 12.7 |
| Delta | 5041 | 5585 | 5 | 79 | -- | -- | 4460 | 4616 | 576 | 890 | 10.8 |
| Franklin | 18741 | 18150 | 539 | 849 | 16007 | 14113 | 1715 | 2626 | 480 | 562 | -3.8 |
| Gregg | 168703 | 176334 | 30555 | 43730 | 101921 | 84822 | 1863 | 1653 | 34364 | 46129 | 4.5 |
| Harrison | 113381 | 147992 | 76725 | 112724 | 22592 | 17692 | 3588 | 4120 | 10474 | 13456 | 30.5 |
| Henderson | 20954 | 38232 | 5244 | 11941 | 6241 | 12005 | 4414 | 6508 | 5055 | 7778 | 82.4 |
| Hopkins | 23758 | 37040 | 4681 | 9282 | 5644 | 7167 | 10368 | 14822 | 3065 | 5769 | 55.9 |
| Lamar | 30924 | 43385 | 13640 | 22639 | -- | -- | 9165 | 9502 | 8119 | 11244 | 40.3 |
| Marion | 8328 | 6853 | 780 | 1079 | 6487 | 4179 | 497 | 546 | 564 | 1049 | -17.7 |
| Morris | 60167 | 63797 | 49229 | 47773 | 6528 | 10731 | 2155 | 1932 | 2255 | 3361 | 6.0 |
| Panola | 60005 | 54202 | 621 | 1421 | 52993 | 44580 | 3806 | 5103 | 2585 | 3098 | -9.7 |
| Rains | 1271 | 2479 | -- | 13 | -- | 456 | 1163 | 1539 | 108 | 471 | 95.0 |
| Red River | 8393 | 10998 | 1333 | 1705 | 104 | 71 | 5423 | 7253 | 1533 | 1969 | 31.0 |
| Rusk | 80150 | 84480 | 5688 | 7357 | 62645 | 61149 | 5074 | 7758 | 6743 | 8216 | 5.4 |
| Smith | 105270 | 153580 | 50899 | 90788 | 12343 | 9163 | 8743 | 10140 | 33285 | 43489 | 45.9 |
| Titus | 22391 | 28746 | 5428 | 8089 | 10833 | 11792 | 1835 | 3188 | 4295 | 5677 | 28.4 |
| Upshur | 12567 | 17585 | 1552 | 2403 | 5874 | 8249 | 3167 | 4631 | 1974 | 2302 | 39.9 |
| Van Zandt | 36998 | 46848 | 6982 | 8238 | 21300 | 27256 | 6563 | 8117 | 2153 | 3237 | 26.6 |
| Wood | 58574 | 67804 | 1839 | 3489 | 49470 | 54080 | 3916 | 6138 | 3349 | 4097 | 15.8 |
| Regional Total | 962749 | 1161748 | 291863 | 414319 | 417828 | 408478 | 100081 | 128410 | 152977 | 210541 | 20.7 |

Source: Unpublished work sheet from State Comptroller Office, Austin, Texas.

this increase. Total mineral production has declined by \$9.3 million during the five year period while manufacturing has increased by \$122.5 million during the same five year period.

Of the twenty-three counties which comprise the Northeast Texas region, Franklin, Marion and Panola are the only counties experiencing a decline in income. All of the decline in income in these three counties has been due to the decline in the production of minerals. Camp, Rains, and Henderson counties have had the greatest increase in income. The increase in income for these three counties has been due to an increase in the production of minerals, Table 1.

In terms of median income the Northeast Texas region had a low of \$2044 in Rains county and a high of \$5033 in Gregg county in 1967. Of the 23 counties, 16 had a median income over \$3000 and 7 had a median income of less than \$3000, Figure 7. With \$3000 being defined as the poverty level, a good number of the citizens in Northeast Texas are living in poverty.

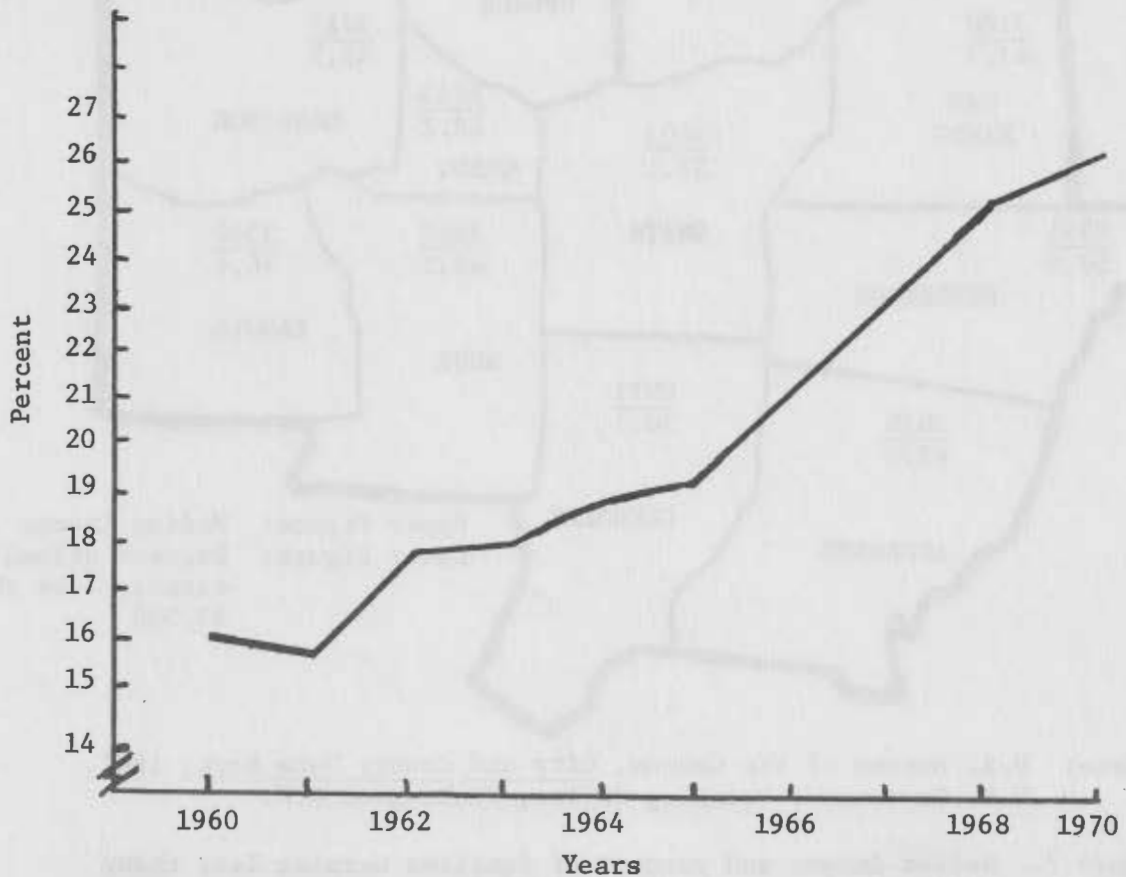
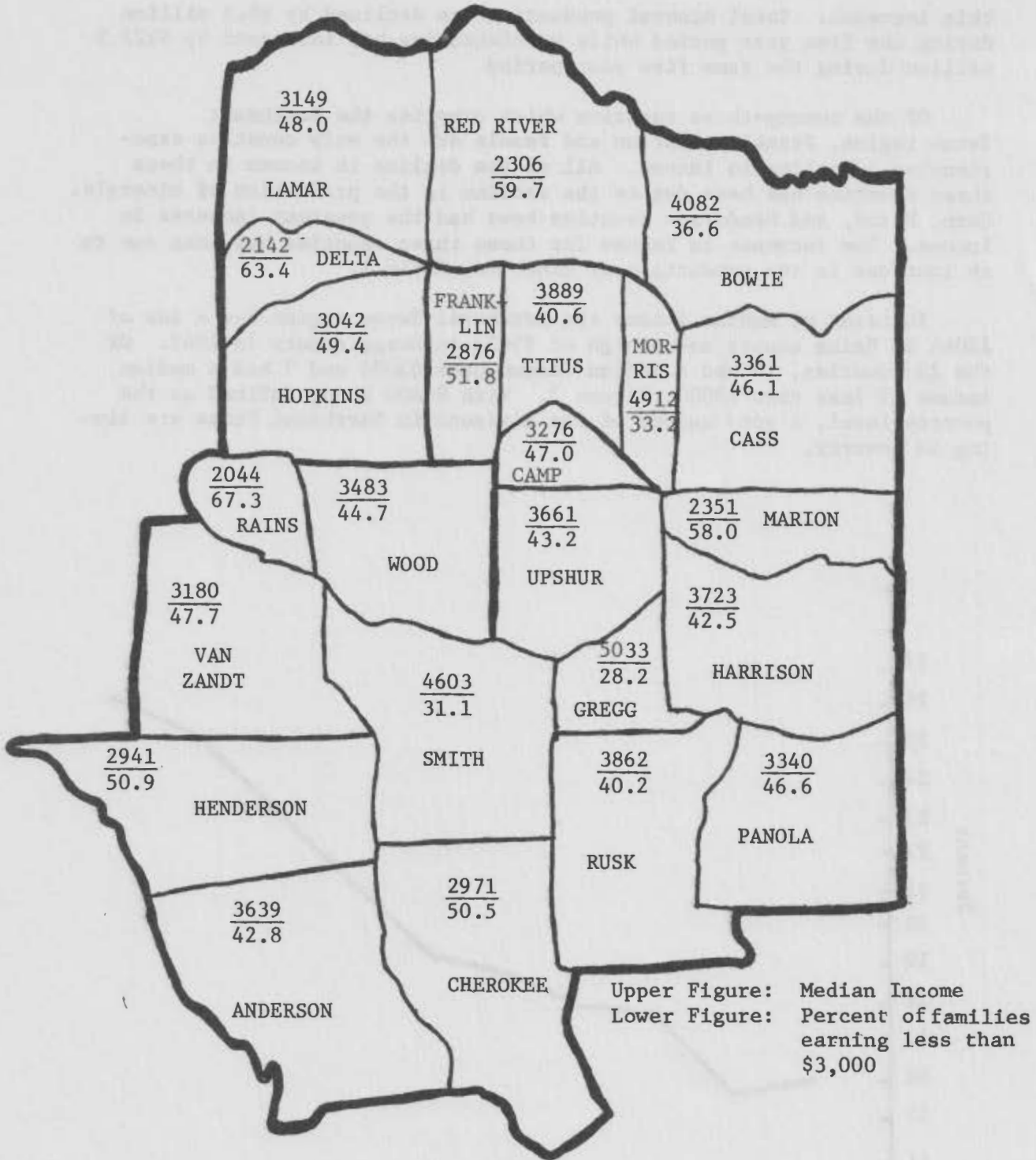


Figure 6. Percent of total employed work force in manufacturing industries, by selected years, Northeast Texas.



^a Source: U.S. Bureau of the Census, City and County Data Book, 1967, U.S. Government Printing Office, Washington D.C.

Figure 7. Median income and percent of families earning less than \$3,000 in Northeast Texas, 1967.^a

ANALYTICAL TECHNIQUE

The theoretical basis for an input-output study is the same for all such studies, and the basic techniques for constructing the input-output tables are widely known.^{2/} The requirements of each situation, however, call for some rather fundamental modification of these techniques so that the analytical framework used in practice needs some description.

However, a discussion of input-output analysis will proceed the presentation of analytical techniques. This introduction to input-output analysis will provide those who are not familiar with input-output a chance to acquaint themselves with terms and a general idea as to how the input-output model is put together.

Input-Output:

Input-output or interindustry analysis is a macroeconomic technique

which deals with the quantitative analysis of the interdependence of producing and consuming units in an economy. In particular, it studies the interrelationships among producers as buyers of each others output, as users of scarce resources, and as sellers to final consumers.

Like all formal economic models, the input-output system is derived from assumptions about economic behavior and definitions of the variables used in analysis [8 p. 1].

Interindustry analysis differs from other macroeconomic models in that it provides information about specific industries which is not distinguished in other aggregate analysis.

Basically, input-output analysis is an accounting system which provides a formal framework for measuring the flows of current inputs and outputs among all producing and consuming activities in an economy. In this accounting system the producers of goods and services appear twice, once as a producer of outputs and once as a user of inputs. Those activities which only consume appear once as a user [8].

The interindustry accounts show the disposition made of the output of an industry and from whom inputs are acquired by industry during the accounting period under consideration. The markets of many industries are primarily other industries, and only indirectly, through a circular chain of sales, does the output of many producers contribute to the satisfaction of the demands of final users. With input-output being an accounting system which deals primarily with production and the interindustry relationships among industries (which are both producers and consumers of goods and services) the accounts are arranged so that it is

^{2/} For example, see E. O. Heady and W. Chandler, Linear Programming Methods, Fourth Printing, Iowa State Press, Ames, Iowa, 1964, or W. H. Miernyk, The Elements of Input-Output Analysis, Fifth Printing, Random House, New York, New York, 1967.

possible to identify the inputs needed by an industry to maintain its level of production.

In input-output models, the accounts are arranged so that sales by an industry can be identified by reading across a row. Purchases by the same industry are identified by reading down a column. A column is the industry's production function showing the value of intermediate inputs needed to produce a certain level of production. An example of the arrangement of these accounts is shown in Table 2. When these accounts are in tabular form, the table is referred to as a transaction table or gross flows table.

The transaction table presents a picture of the economy as it existed at some point in time. By itself this table is a portrayal of the intricate flows which bind industries together into a complex network which finally satisfy the wants of the consumer.

Table 2. Hypothetical example of an input-output transaction table.

| Selling Industries | Purchasing Industries | | | | | Total Sales |
|--------------------|-----------------------|----------------|------|----------|--------------|-------------|
| | Purchase From | Agriculture | Mfg. | Services | Final Demand | |
| | | Sale To -----> | | | | |
| Agriculture | | 390 | 1400 | 0 | 1500 | 3290 |
| Manufacturing | | 150 | 920 | 630 | 3450 | 5150 |
| Services | | 240 | 860 | 1520 | 2650 | 5270 |
| Final Payments | | 2510 | 1970 | 3120 | 6110 | 13710 |
| Total Purchase | | 3290 | 5150 | 5270 | 13710 | 27420 |

The economy of Table 2 is composed of (1) three processing industries, (2) final demand and (3) final payments. A processing industry produces goods and services which are used as inputs by other industries and consumer goods by final users. Final demand represents consumptions, i.e. that portion of an economy composed of final users. Consumption includes household uses, exports, governmental uses, changes in inventory, and capital investment. Final payments represents payments made for labor, rent, interest, capital used in the production process and inputs that are imported into the economy.

As a producer of goods and services agriculture sells some of its output to itself (\$390),^{3/} manufacturing (\$1400) and to final demand

^{3/}These intraindustry purchases represent a sale and/or purchase made from one firm in the industry to another firm in the same industry. For example a livestock producer buying grain from a farmer is a intraindustry transaction.

(\$1500). Total sales in the accounting period are the sum of these (\$3290). In order to produce this \$3290 of goods and services agriculture purchased inputs from agriculture (\$390), from manufacturing (\$150), from services (\$240), and from final payments (\$2510), i.e. rent, interest, depreciation and residual income.^{4/} Total purchases thus amounted to \$3290 during the period under consideration. Total sales equals total purchase since the accounting system is a double entry system, i.e. a sale by one industry is a purchase by another industry.

Related to and dependent on the transactions table are the direct requirements table and the interdependence table. Both the direct requirements and the interdependence tables are based directly on the data contained in the transaction table.

The datum in the direct requirements table is referred to as a technical or input coefficient. Technical coefficients show the amount of output required from one processing industry per unit of output of another processing industry.^{5/} Technical coefficients are computed for processing industries only by dividing each column entry for an industry by that industry's total input. Hence, these coefficients show the direct requirements for inputs from each industry to produce one dollar's worth of output of a given industry.

Whereas technical coefficients are estimates of direct requirements only, interdependence coefficients (datum in the interdependence table) are estimates of both the direct and indirect output required of each processing industry to produce one dollar's worth of output for a given industry. Interdependence coefficients show the "linkages" within the entire economic system by relating the output of one producing industry to its own final demand and to the output of other producing sectors. This set of coefficients reflects not only the amount of output in a given industry necessary to supply the needs of final demand of that industry, but also the indirect effects on output in this particular industry in relation to final demand for output of other industries.

With the direct relationships of each industry defined in direct requirements table and expressed by technical coefficients it is possible to view these relationships as a system of equations which can be express-

^{4/}Residual income includes profits. Profits as defined here are treated as a payment rather than a return. This is done to balance the sales and purchase accounts for much the same reasons net worth is shown as a liability on an income statement.

^{5/}For example using the Agricultural industry, Table 1, technical coefficients are computed by dividing 3290 into 390, 150 and 240. The results of this division .1185, .0456 and .0729 are called technical coefficients. For Agriculture to produce one dollar of output it requires 11.85 cents of input from agriculture, 4.56 cents from manufacturing and 7.29 cents from services. The remaining 76.30 cents goes for wages, rent, and imports. When summed, the column of technical coefficients equals 1.

ed in mathematical terms and solved. Although there are several ways to solve a system of equations the method used in this study is matrix algebra and more specifically matrix inversion. A discussion of the matrix inversion technique is beyond the intended scope of this report. The technique of matrix inversion is fully developed elsewhere in the literature concerning input-output^{6/} and in any mathematical text which deals with matrix algebra.

With this introduction to input-output studies it is possible to describe the process necessary in the creation of the three tables and the problems of analysis once the tables are at hand.

Regional Delineation:

The first step in conducting this regional interindustry analysis was to define the region to be studied. Generally, boundaries for a region are based on logical and a prior knowledge of the regional economic activity, locations of population, availability of resources and the intent of the analyst relative to the use of the model he is proposing to build. The regional boundaries for Northeast Texas were determined by combining two of the 21 planning regions for Texas, i.e. Northeast and East Texas, as they are defined in "Planning Regions for the State of Texas" [2].

Because the different branches of State government are using these planning regions for their various purposes it was desirable that the regional boundary of this study conform fairly closely to the boundaries as established for general planning purposes. The study area and its relationship to the rest of Texas is shown in Figure 1.

Time Period:

The input-output structure of the economy of Northeast Texas described in this report applies to the year 1967. This period was chosen because of the amount of census statistics that were available on a county by county basis for industrial and business activities during this time period.

Total output or input for any establishment or industry will be different during different time periods, so the time period chosen may affect the level of production in the regional economy. However, the analysis is based on the relative distribution of costs. Thus the composition of industry outlays, measured by per dollar of output, is likely to be much less variable than the level of output itself. Thus the analysis of the economy of Northeast Texas in 1967, while affected by the peculiar circumstances which may have existed in 1967, has analytical value for later years. Just how long these cost distributions are valid is not known with certainty. Periodic studies or checks are needed to determine if the input patterns have changed.

^{6/} See, for example, H. B. Chenery and P. B. Clark, Interindustry Economics, John Wiley and Sons, Inc., New York, 1959; W. E. Martin and H. O. Carter. A California Interindustry Analysis Emphasizing Agriculture, Part 1, Giannini Foundation Research Report, No. 250, 1962.

Gross Output:

Gross output represents either the value of sales, value of shipments, farm receipts, or value of work done by establishments within the regional economy. Since gross output represents revenue received by producers it does not correspond to prices paid by purchasers. To arrive at purchaser's price it would be necessary to add the cost of transportation, wholesale and retail trade mark-ups and any other costs incurred in the distribution process.

Producers' Prices:

Producers' prices exclude the costs of distribution, i.e. all items are priced f.o.b. the shipper. All the costs of distribution are included in the model but the distribution costs are recorded as sales and purchases between the transportation industries, trade industries and any costs associated with the movement of goods and services from the producer to the consumer.

The use of producer prices makes it possible to show the separate but interrelated functions required to produce and move goods and services to the point where they are consumed.

Secondary Production:

In many situations an establishment produces one or more products which are associated with industrial categories other than the one with which the establishment is normally identified. In this study an establishment is classified on the basis of its major activity. Thus overlapping of activities means that the output of some industries includes products usually associated with another industry. In general, no attempt was made to divide output among primary and secondary activities of an establishment [3 pp. 17-21]. An exception to this was made in the case where an establishment did its own construction and maintenance of buildings. The estimated value and inputs associated with this type of activity were transferred to the construction and/or maintenance industries. Thus an establishment in an industry may actually maintain its own buildings using whatever material and labor are necessary. However, in terms of this study the industry will be shown as buying this service from the construction and maintenance repair industries.

Generally, the industry classification system used in this study was broad enough to minimize the amount of overlap of secondary production activities. Agriculture production was classified on the basis of commodities rather than an establishment basis; so there is no secondary production in the various agricultural industries.

Special Treatment of Trades and Financial Intermediaries:

Treatment of the wholesale-retail trades and financial institutions presents a rather special problem in conducting an input-output study. If sales were actually traced through the distribution channel, the output of many industries would be shown entering the wholesale and retail trade, whereupon the identity of the product would be lost. This would conceal many of the connections between producers and consumers. To

prevent this and maintain the identity of the products, wholesale and retail traders are viewed as being brokers who provide a service. The output of the trades is measured in terms of gross margin earned, that is total sales less costs of goods purchased for resale. Goods which are purchased for resale are treated as going directly from producer to consumer with the trades receiving a margin. The gross margin earned by the trades covers all overhead items and the profit earned.

Much the same type of situation occurs in the finance-insurance-real estate industry. If sales were actually recorded as such there would be large dollar transfers for which there is no corresponding flow of goods and services. For example life insurance premiums are paid by households to a life insurance company, thus a transfer is made and there is no corresponding flow of goods and services. There is also the situation in which land is sold; there is money exchanged between the buyer and seller but there is no increase in the production capability of the land or in the economy. Land has been exchanged for money and there is no corresponding flow of goods and services.

However, the insurance agent and the real estate agent do provide a service and are compensated for this service. Thus, the output of the financial institutions are measured in terms of gross margins earned rather than in terms of total sales.

EMPIRICAL TECHNIQUE

The steps taken in conducting the Northeast Texas interindustry study were: (1) definition of the industries which comprise the economy; (2) determination of the purchase and sales pattern of each; (3) estimation of gross output for each industry; and (4) evaluation of the results.

Industry Definition:

To develop the input-output model, the industries of the Northeast Texas region were identified, analyzed and classified into 74 industrial groups. The Standard Industrial Classification, SIC, Manual, employed by federal agencies for collection and utilization of statistics, was a useful reference [4]. The classification system of the Manual directs the grouping of industries on the basis of primary product or service produced.^{7/}

The output of goods and services within the 74 industrial groups in Northeast Texas accounts for most of the production of the region. The remainder is generated by federal, state and local governmental entities and by households within Northeast Texas.

^{7/}The Standard Industrial Classification was developed for use in the classification of establishments by type of activity in which engaged; for purposes of facilitating the collection, tabulation, presentation, and analysis of data relating to establishments; and for promoting uniformity and comparability in the presentation of statistical data collected by various agencies of the United States Government, State agencies, trade associations and private research organizations.

A description of the number and kind of firms operating in Northeast Texas was obtained from the Texas Employment Commission and the 1969 Directory of Texas Manufactures [5]. Both of these sources utilize the SIC coding system so it was possible to inventory the total number of firms via the four digit SIC code. Those firms which did not report to the Employment Commission and were not manufacturers, were identified by other Texas State Agencies. Also, various trade associations helped with the identification of firms by providing information on their membership.

Major economic groupings (agriculture, mining etc.) industry description and the four digit SIC code which is used to classify each industry is shown in Table 3 for the Northeast Texas regional input-output model.

Data:^{8/}

Perhaps the greatest problem in conducting an input-output study is obtaining the required data. In conducting the Northeast Texas study it was decided that several different approaches would be used to collect data for the model. Personal interviews and mail questionnaires were used to obtain data directly from businessmen. Regulatory agencies provided some information and data were taken from the usual sources of secondary data.

A field survey of a sample of local business establishments was used to obtain sales and purchases information for all industries included in the major industrial groupings i.e. manufacturing, wholesale trade, retail trade, services, contract construction, mining and communications (except telephone and telegraph).

From the sample of sales and purchases the Northeast Texas project staff estimated the sales and purchasing patterns for each of the southeast industries included in the manufacturing, wholesale trade, retail trade and services groupings.^{9/} The sample data obtained in contract construction, utilities, mining and communications were sent to other regional project directors who were responsible for estimating the distribution of sales and purchases for each of the regional projects and the State project.^{10/}

^{8/}All questionnaires used, procedural statements, progress reports, and other supporting documents are in the author's file in the Department of Agricultural Economics and Rural Sociology, Texas A&M University, College Station, Texas.

^{9/}All regional projects followed this same procedure of analyzing certain segments of the economy and obtaining a portion of the analysis from other project directors or special projects.

^{10/}The reasons for having one project director handle certain portions of the industries were; that time and money could be saved by having one person specialize in a area and share this knowledge. Also, some project directors already had some expertise in the areas assigned to them thus allowing all projects to capitalize on this knowledge.

Table 3. Northeast Texas Input-Output Model with appropriate comparative listings of SIC firm classification codes, 1967.

| Industry Number | Industry Description | SIC's Included in Each Industry ^{a/} |
|----------------------|------------------------|--|
| AGRICULTURE | | |
| 1 | Irrigated Crops | 0112, 0113, 0122, 0123, 0119 |
| 2 | Dryland Cotton | 0212 |
| 3 | Dryland Crops | 0213, 0413, 0219 |
| 4 | Range Livestock | 0235 |
| 5 | Feedlot L.S. | 0135-36 |
| 6 | Dairy | 0132 |
| 7 | Poultry & Eggs | 0133, 0134 |
| 8 | Forestry | 0811, 0822-23, 0843-44, 0851, 0861 |
| 9 | Ag. Supply | 5962, 5959 |
| 10 | Ginning | 0712 |
| 11 | Ag. Services | 0713-15, 0719, 0722, 0723, 0729, 0731, 0741 |
| MINING | | |
| 12 | Crude Petroleum | 1311 |
| 13 | Nat. Gas Liquids | 1311, 1321 |
| 14 | Oil & Gas Ser. | 1381-82, 1389 |
| CONSTRUCTION | | |
| 15 | Residential | 1511 |
| 16 | Commercial | 1511 |
| 17 | Facility | 1611, 1621 |
| 18 | Repair | 1700 |
| MANUFACTURING | | |
| 19 | Meat Products | 2011 ^{b/} , 2013, 2015 |
| 20 | Dairies | 2021-24, 2026 |
| 21 | Millings & Feed | 2041-46 |
| 22 | Bakery | 2051-52 |
| 23 | Foods Canned & Frozen | 2031-38 |
| 24 | Other Foods | 2061-63, 2071-72, 2091-99, 2121 |
| 25 | Beverage | 2082, 2084, 2086, 2087 |
| 26 | Apparel | 2211-99, 2311-99 |
| 27 | Logging | 2411 |
| 28 | Lumber | 2421, 2426, 2429 |
| 29 | Millwork | 2431-99 |
| 30 | Furniture | 2511-42 |
| 31 | Paper Products | 2611-55 |
| 32 | Printing & Publishing | 2711, 2721, 2731, 2741 |
| 33 | Other Printing | 2732, 2751-99 |
| 34 | Chemical & Petroleum | 2812-34, 2841-44, 2851, 2861, 2891-99, 2911-3079 |
| 35 | Agricultural Chemicals | 2879, 2871-72, 2879 |
| 36 | Glass | 3221-31 |
| 37 | Clay | 3251-69 |
| 38 | Stone | 3281-99, 3274-75, 3201 |
| 39 | Cement | 3271-73, 3241 |

| | | |
|------------------------|--------------------------|---------------------------------------|
| 40 | Foundries | 3312-33, 3341, 3339 |
| 41 | Metal & Fabric. | 3334-3441 |
| 42 | Plate Work | 3443 |
| 43 | Sheet Metal | 3444-49 |
| 44 | Metal Doors | 3442 |
| 45 | Other Metal Products | 3411-33, 3451-99 |
| 46 | Industrial Machinery | 3522-79, 3585 |
| 47 | Service Machinery | 3581-82, 3586-99 |
| 48 | Electrical Machinery | 3611-51, 3653-79 |
| 49 | Transportation Equipment | 3652, 3691-99, 3713-99 |
| 50 | Scientific Equipment | 3811-71 |
| 51 | Games and Toys | 3941-42, 3949 |
| 52 | Other Manufacturing | 3911-99, 3111-99 |
| 53 | Ordnance | 1911-99 |
| TRANSPORTATION | | |
| 54 | Railroads | 4011-41 |
| 55 | Motor Freight | 4131-4334, 4221-26 |
| 56 | Pipelines | 4612-13, 4619 |
| 57 | Other Transportation | 4411-4583, 4111-4789 |
| COMMUNICATIONS | | |
| 58 | Telephone & Telegraph | 4811-21 |
| 59 | Radio & Television | 4832-4833 |
| 60 | Other Communications | 4899 |
| UTILITIES | | |
| 61 | Gas Services | 4922-23, 4932, 9149, 9249, 9349 |
| 62 | Electric | 4911, 4931, 9151, 9251, 9351 |
| 63 | Water | 9102, 9202, 4941, 4952-53, 4959, 4961 |
| TRADES | | |
| 64 | Whsle. Ag. Prod. | 5052, 5053, 5059 |
| 65 | Whsle. L.S. | 5054, 4731 |
| 66 | Whsle. General | 5012-49, 5081-99 |
| 67 | Retl. Ag. Equip. | 5252 |
| 68 | Retl. General | 5211, 5221-51, 5253-5999 |
| F.I.R.E. ^{c/} | | |
| 69 | Fin-Ins-Rest. | 6000-6700 |
| SERVICES | | |
| 70 | Legal | 8111 |
| 71 | Lodging | 7011-32 |
| 72 | Personal | 7211-99 |
| 73 | Business | 7311-99 |
| 74 | All Other | 7813-7949, 7512-7699, 8011-8999 |

FINAL DEMAND

| | |
|------------------|----------------------|
| 75 ^{d/} | Households |
| 76 | Federal Government |
| 77 | State Government |
| 78 | Local Government |
| 79 | Exports Texas |
| 80 | Exports U.S.A. |
| 81 | Exports Foreign |
| 82 | Capital |
| 83 | Net Inventory Change |
| 84 | Total |

FINAL PAYMENTS

| | |
|------------------|--------------------|
| 75 ^{e/} | Depreciation |
| 76 | Wages |
| 77 | Profits |
| 78 | Federal Government |
| 79 | State Government |
| 80 | Local Government |
| 81 | Imports Texas |
| 82 | Imports U.S.A. |
| 83 | Foreign |
| 84 | Total Purchases |

^{a/} Standard Industrial Classification Code as defined on a 4 digit basis. The firms included under this system are described in the publication, The Standard Industrial Classification Manual published by the Bureau of Statistical Standards, U. S. Government Printing, Washington D. C.

^{b/} For example 2011 is the 4 digit code given to firms primarily engaged in the slaughtering, for their own account or on a contract basis for the trade, of cattle, hogs, sheep, lambs, calves, horses and other animals except small game, for meat to be sold or used on the same premises in canning and curing and in making sausage, lard and other products.

^{c/} Finance-Insurance-Real Estate

^{d/} Rows and columns 1-74 have the same name; from 75 on, rows and columns are not the same. The numbers shown here refer to columns.

^{e/} Rows and columns 1-74 have the same name; from 75 on, rows and columns are not the same. The numbers shown here refer to rows.

The flow of goods and services for those industries included in the transportation, finance, insurance, real estate, and the three different levels of governments were estimated from mail questionnaires and regulatory agency files by the staff working on the State model in Austin.

Flows of goods and services for all those industries in agriculture except forestry, agricultural supply, ginning and agricultural services were developed from secondary data under a special project conducted jointly by the personnel of the Texas Agricultural Experiment Station and the Agricultural Economics Department at Texas Tech University.

Appendix Table 4 contains the data sources, by industry, used in estimating the flow of goods services, between industries and final demand in Northeast Texas during 1967.

Response Rates and Coverage:

To provide for an estimate of the interregional flow of goods and services in Northeast Texas, 363 establishments cooperated by providing detailed information on both sales and purchases made by their establishment in 1967. There is not, presently, a procedure for testing the statistical reliability of each estimate as it appears in the transaction table. Also, the number of establishments sampled in some industries are limited in number. However, expectations are that the trade flows have been reasonably approximated and represent accurate estimates of the trade flows that existed in the Northeast Texas economy in 1967.

The percent coverage by the number of respondent establishments and purchases for those industries interviewed in Northeast Texas ranged from a low of 2.74 percent in general retail to a high of 71.43 percent in electrical machinery, Table 4. In terms of purchases made by an industry only 1.90 percent of total purchases were sampled in the foundries industry. In total, 9 percent of the establishments engaged in manufacturing, wholesale trade, retail trade and services provided data on the goods and services bought and sold in 1967. Purchases made by these firms accounted for 33.63 percent of all purchases made by firms engaged in those activities listed above.

In those industries where the trade flow coefficients were developed by other regional projects coverage ranged from 100 percent in some situations where regulatory agency data were used to zero percent in agriculture where secondary data provided all of the information needed.

Allocation of Purchases:

Although sales and purchases data were obtained, purchases data were used in estimating industry coefficients. Sales data were used in estimating sales going to households, exports, and capital formation.

In order to expand the sample industry coefficients to represent the total industry cost or purchase ratios were developed. The purchase ratios were determined by dividing total expenditures into each purchase made, this is using only sample data.

Gross purchases, of the industry, multiplied by the cost ratios

Table 4. Percent coverage by number of respondent establishments and purchases for those industries interviewed, Northeast Texas^{a/}

| Industries Interviewed | Number of Firms | | | Purchases | | |
|------------------------------|-----------------|--------------|---------------------|----------------|---------------|---------------------|
| | Sampled (No.) | Region (No.) | Percent of Coverage | Sample (\$000) | Total (\$000) | Percent of Coverage |
| Ag. Services | 4 | 18 | 22.22 | 315 | 7878 | 4.00 |
| Ag. Supplies | 8 | 30 | 26.67 | 921 | 1913 | 48.14 |
| Subtotal | 12 | 48 | | 1236 | 9791 | |
| Meat Products | 8 | 22 | 36.36 | 26666 | 57577 | 46.31 |
| Dairies | 3 | 6 | 50.00 | 8092 | 21160 | 38.24 |
| Millings & Feed | 5 | 19 | 26.31 | 3076 | 23722 | 12.96 |
| Bakery | 4 | 25 | 16.00 | 4981 | 10321 | 48.25 |
| Food Can & Frozen | 4 | 6 | 66.66 | 7885 | 62579 | 12.60 |
| Other Food | 6 | 29 | 20.68 | 5233 | 23044 | 22.70 |
| Beverages | 4 | 25 | 16.00 | 702 | 36819 | 1.90 |
| Apparel | 8 | 43 | 18.60 | 19754 | 51314 | 38.49 |
| Logging | 4 | 24 | 16.67 | 2022 | 4570 | 44.24 |
| Lumber | 7 | 67 | 10.44 | 2003 | 16755 | 11.95 |
| Millwork | 8 | 54 | 14.81 | 13114 | 32621 | 40.20 |
| Furniture | 8 | 37 | 21.62 | 5505 | 11726 | 46.95 |
| Paper Products | 4 | 9 | 22.22 | 5819 | 13359 | 43.55 |
| Printing | 6 | 49 | 12.24 | 2318 | 11140 | 20.81 |
| Other Printing | 7 | 36 | 16.67 | 1067 | 8688 | 12.28 |
| Chem. & Petro. | 17 | 36 | 38.89 | 127318 | 309856 | 41.09 |
| Ag. Chem. | 3 | 7 | 42.86 | 823 | 2208 | 37.28 |
| Glass ^{b/} | 1 | 3 | 33.33 | 7047 | 14250 | 49.45 |
| Clay | 7 | 22 | 31.82 | 9178 | 24367 | 37.66 |
| Stone | 5 | 10 | 50.00 | 1448 | 3184 | 45.49 |
| Cement | 8 | 41 | 19.51 | 2287 | 14682 | 15.58 |
| Foundries | 7 | 10 | 70.00 | 163761 | 176128 | 92.98 |
| Metal Fab. | 4 | 6 | 66.67 | 14665 | 17059 | 85.96 |
| Plate Work ^{b/} | 2 | 9 | 22.22 | 1579 | 25985 | 6.07 |
| Sheet Metal | 3 | 22 | 13.64 | 250 | 1435 | 17.47 |
| Metal Doors ^{b/} | 2 | 11 | 18.19 | 38 | 3030 | 1.27 |
| Other Metal | 6 | 32 | 18.75 | 6259 | 30256 | 20.68 |
| Ind. Mach. | 13 | 33 | 39.39 | 65358 | 100307 | 65.15 |
| Service Mach. | 3 | 15 | 20.00 | 1874 | 4820 | 38.89 |
| Elec. Mach. | 5 | 7 | 71.43 | 1221 | 40936 | 2.98 |
| Transp. Equip. | 4 | 12 | 33.33 | 7746 | 33228 | 23.31 |
| Science Equip. ^{b/} | 1 | 2 | 50.00 | 689 | 1640 | 42.01 |
| Games & Toys | 6 | 10 | 60.00 | 1811 | 8927 | 20.28 |
| Other Mfg. | 5 | 13 | 23.08 | 1001 | 1861 | 53.78 |
| Ordnance ^{b/} | 2 | 5 | 40.00 | 52344 | 213160 | 24.56 |
| Subtotal | 190 | 757 | | 574934 | 1412714 | |

Table 4. Continued

| | | | | | | |
|----------------------------------|-----------|-------------|-------|---------------|---------------|-------|
| Whsle. Farm Prod. | 3 | 32 | 9.38 | 727 | 13125 | 5.54 |
| Whsle. L.S. | 3 | 12 | 25.00 | 165 | 1534 | 10.75 |
| Whsle. General | <u>33</u> | <u>558</u> | 5.91 | <u>8195</u> | <u>134251</u> | 6.10 |
| Subtotal | 39 | 602 | | 9087 | 148910 | |
| Retail Farm Equip | 5 | 59 | 8.47 | 464 | 1876 | 24.76 |
| Retail General | <u>51</u> | <u>1860</u> | 2.74 | <u>3714</u> | <u>267980</u> | 1.38 |
| Subtotal | 56 | 1919 | | 4178 | 269856 | |
| Legal Services | 7 | 25 | 28.00 | 1492 | 11495 | 12.43 |
| Lodging Services | 3 | 84 | 3.57 | 764 | 6981 | 10.95 |
| Personal Services | 7 | 123 | 5.69 | 471 | 17474 | 2.69 |
| Business Services | 14 | 76 | 18.42 | 4043 | 38685 | 10.46 |
| All Other Services ^{c/} | <u>36</u> | <u>394</u> | 9.14 | <u>139117</u> | <u>270431</u> | 51.44 |
| Subtotal | 67 | 702 | | 145887 | 345066 | |
| Total | 364 | 4028 | | 735322 | 2186337 | |

^{a/} Data for other industries in the major economic groupings; Mining Construction, Transportation, Communications, Utilities, Finance-Insurance-Real Estate and Governments are not shown because other methods in addition to personal interviews were used to estimate trade flows.

^{b/} Questionnaires from other regional projects were used to supplement data obtained in Northeast Texas. The figures shown here relate only to Northeast Texas industries. In all cases there are more establishment records were used to estimate purchases made by an industry.

^{c/} Includes public and private primary and secondary schools as well as all colleges and universities. The purchase data contains data for schools along with purchases made by other firms in this industry. The number of firms sampled and total number of firms does not include schools.

resulted in the estimated dollar values made by the industry in 1967. This procedure was followed in estimating the transaction values for all 74 industries and federal, state, and local governments.

Sales to or purchases by households, exports, inventory change and capital formation were based on sales data obtained from the sample data and supplemented by secondary data. Unlike the processing industries and three government activities, there were no gross purchases or gross output value to which costs ratios could be applied to provide estimates. However, since gross output by an industry by definition must equal gross input, it was possible to determine how much of an industry's total output was to be distributed to those activities in final demand, except the three government activities. A percentage distribution based on the sample sales data was applied to the remaining output to determine sales to households, exports, inventory change, and capital formation.

Because of the lack of gross output values for those activities in final demand, excluding the three levels of government, the remaining activities; households, exports, inventory change, and capital formation were residual claimants and may not be as accurate as the other data. However, since these final demand activities are consuming and not producing industries, and since input-output is concerned with the production of goods and services for consumption, the fact that they are a residual claimant is not critical.

In terms of inputs purchased or payments made, taxes may be underestimated because; (1) subsidiary establishments located in the region did not pay any taxes, the parent company paid them, (2) some smaller business did not pay taxes, the owner(s) paid all taxes as individuals, (3) some establishments paid no taxes because they were reporting a net loss and (4) some establishments provided a total tax figure, making it necessary to use established guide lines in allocating these taxes to the different levels of government. While these may not be the most accurate estimates they are the best estimates available.

RESULTS

The principal results of this study are contained in a set of input-output tables (Appendix Tables 1-3) which quantitatively describe the industrial interrelationships of Northeast Texas producers. Since the results of this study are contained in a set of 3 tables the remainder of this section will be devoted to interpretation of the data contained in the tables, a specific application of the tables to an assumed change in economic conditions and a general discussion on some of the other uses that can be made of the tables.

The Transaction Table for Northeast Texas:

The total gross output of each industry in Northeast Texas, distributed among the industries and final demand, is shown in Appendix Table 1. Each row of this table shows how much of the gross output of each industry was sold to each of the other Northeast Texas industries, and how much was sold to the various components of final demand, thus accounting

for all of an industry's total output. The sum of each industry's output plus wages, residual income, and taxes paid to federal, state, and local government amounted to \$5.6 billion in 1967. This value represents the estimated total output of the economy during the calendar year 1967.

Reading down a column of the transaction table shows the purchases made by an industry from its Northeast Texas suppliers, necessary to maintain its level of production, as well as the purchases of goods and services from producers located in the remainder of Texas, the United States and abroad.

Gross Regional Product: Expenditures for wages, salaries, interest and rent, returns to management (residual income and savings), taxes and depreciation may be viewed as the "earnings" of an industry and as such represents the value created by the industry itself. By summing the value created by each industry and adjusting for the balance of trade, exports-imports, a measure of the gross regional product for Northeast Texas is obtained.

Gross Regional Product (GRP) is the measure of the value of goods and services produced in the region during the year. The term GRP is analogous to Gross National Product (GNP) as it is used in national income accounting.

Three sources of the GRP of Northeast Texas are not from industries, but from components of final demand. The largest of these is the income generated in households. Most of the \$775.4 million of value within households (Appendix Table 1) is the imputed rental value of owner occupied homes, cash rents, and savings. This rental value, imputed and actual, is shown as wages and savings by households is shown in the residual income row in the Appendix Table 1. Households pay taxes which is a component part of value added.

The other nonindustry sources of GRP originate in the three government activities in final demand. As such, the value created by governments is primarily wages, although some intergovernmental transactions are also included in value created by governments.

Both federal and state government spent more money in Northeast Texas region than they received in tax revenue. This difference between revenue and expenditure is treated as negative residual income (savings). Deficit spending by federal and state government results in a negative value created by the federal government and value created by state government is reduced by \$64 million but remains positive, Appendix Table 1.

Local government is shown as having a value created of -\$94.4 million. The reason for this is that taxes paid to local government includes property taxes paid to local school districts. But the industry called all other services, industry 74 Appendix Table 1, produces these services and sells them to households. But local government is shown as receiving the money required to pay for public schools and there is no transfer of funds from the local government accounts. To compensate for this local government is shown as receiving (reading across the local government row, row 80 in Appendix Table 1) a -\$112.0 million from local government. This

large negative value results in local government having a value created of -\$94.4 million, Appendix Table 1.

Gross Regional Product for Northeast Texas was estimated to be \$2.039 billion in 1967. Wages accounted for \$1.589 billion, \$.039 billion was residual income, taxes paid to federal, state and local government, amounted to \$.412 billion.^{a/}

The value created by households, a nonproducing activity, was \$775.4 million in 1967. Following households is the crude petroleum industry with a value created of \$317.5 million, and then all other services with value created of \$192.6 million, and finally the federal government with a value created of -\$113.9 million, Table 5.

It should be noted here that the large negative value created by the federal government and the small value created by state governments could have been positive values if the difference between total revenue and total expenditure had been treated as an import instead of negative residual profits. Handling this as an import would affect the balance of payments between Northeast Texas and the three importing regions of Texas, the United States and the rest of the world. In either situation GRP would be the same in total but the sources of value would be different.

Sales Distributions: A portion of the output of Northeast Texas industries was sold to other Northeast Texas industries as an input in their production process. This type of market is called intermediate demand since the markets are for goods and services to be used in further production. In Northeast Texas during 1967, 13.19 percent of all goods and services were sold as intermediate goods and 86.81 percent of goods and services were sold to final demand.

Cotton ginning, agricultural supplies and poultry and eggs, industries 10, 9 and 7 respectively sold in excess of 99 percent of their total output as intermediate goods to be used by other Northeast Texas industries as inputs in their production process, Table 6.

Residential, commercial, and facility construction and ordnance in contrast sold in excess of 99 percent of their total output to final demand, Table 6. The remaining industries in Northeast Texas divide their sales between intermediate and final demand markets. The percent of total sales going to other local industries, intermediate demand, and final demand as shown by industry in Table 6.

Those industries which sell a significant portion of their output to final demand will be affected by changes in final consumption patterns. This will be even more evident for those industries which sell a significant portion of their output to households and the different levels of government. Any change in the consumptive patterns of these industries will be felt first by those industries which depend upon these industries as a market for the goods and services they produce.

While it is of interest to know how dependent an industry is on

^{a/} Gross Regional Product can also be estimated by summing the column totals for each activity in final demand, columns 75-83, Appendix Table 1.

Table 5. Value Created, by Industry, in Northeast Texas, 1967.

| Industry Number | Industry Description | Value Created (\$1,000) | Rank by Value Created |
|-----------------|----------------------|-------------------------|-----------------------|
| AGRICULTURE | | | |
| 1 | Irrigated Crops | 4,313.4 | 50 |
| 2 | Dryland Cotton | 4,291.9 | 51 |
| 3 | Dryland Crops | 15,811.4 | 23 |
| 4 | Range Livestock | 26,915.4 | 14 |
| 5 | Feedlot L.S. | 83.7 | 75 |
| 6 | Dairy | 12,605.1 | 31 |
| 7 | Poultry & Eggs | -2,827.2 | 76 |
| 8 | Forestry | 5,198.0 | 43 |
| 9 | Ag. Supply | 1,428.6 | 62 |
| 10 | Ginning | 226.5 | 74 |
| 11 | Ag. Services | 5,017.1 | 44 |
| MINING | | | |
| 12 | Crude Petroleum | 317,559.5 | 2 |
| 13 | Nat. Gas Liquids | 32,426.0 | 11 |
| 14 | Oil & Gas Ser. | 15,627.9 | 25 |
| CONSTRUCTION | | | |
| 15 | Residential | 15,453.8 | 26 |
| 16 | Commercial | 22,577.6 | 18 |
| 17 | Facility | 4,181.4 | 52 |
| 18 | Repair | 7,661.7 | 39 |
| MANUFACTURING | | | |
| 19 | Meat Products | 9,578.2 | 34 |
| 20 | Dairies | 1,315.0 | 63 |
| 21 | Mills & Feed | 3,186.8 | 56 |
| 22 | Bakery | 4,715.0 | 48 |
| 23 | Foods Can-Frozen | 16,436.7 | 22 |
| 24 | Other Food | 4,148.0 | 53 |
| 25 | Beverage | 12,150.7 | 32 |
| 26 | Apparel | 19,215.6 | 20 |
| 27 | Logging | 1,050.6 | 64 |
| 28 | Lumber | 7,845.6 | 37 |
| 29 | Millwork | 12,697.3 | 30 |
| 30 | Furniture | 4,848.7 | 45 |
| 31 | Paper Products | 3,867.1 | 54 |
| 32 | Print & Pub. | 4,727.9 | 47 |
| 33 | Other Print | 4,752.6 | 46 |
| 34 | Chem. & Pet. Prod. | 114,631.4 | 5 |

Table 5. Continued.

| Industry Number | Industry Description | Value Created (\$1,000) | Rank by Value Created |
|-----------------|----------------------|----------------------------|-----------------------|
| 35 | Ag. Chemicals | 450.0 | 72 |
| 36 | Glass | 6,236.3 | 41 |
| 37 | Clay | 15,716.4 | 24 |
| 38 | Stone | 1,020.3 | 65 |
| 39 | Cement | 2,979.9 | 59 |
| 40 | Foundries | 81,934.4 | 8 |
| 41 | Metal & Fabric | 6,032.3 | 42 |
| 42 | Plate Work | 12,798.4 | 29 |
| 43 | Sheet Metal | 638.2 | 71 |
| 44 | Metal Doors | 928.6 | 66 |
| 45 | Other Metal | 13,688.9 | 28 |
| 46 | Industrial Mach. | 28,024.2 | 13 |
| 47 | Service Mach. | 3,350.8 | 55 |
| 48 | Electrical Mach. | 25,975.5 | 15 |
| 49 | Transp. Mach. | 8,452.1 | 36 |
| 50 | Scientific Mach. | 732.0 | 69 |
| 51 | Games & Toys | 7,777.8 | 38 |
| 52 | Other Mfg. | 711.8 | 70 |
| 53 | Ordinance | 67,160.1 | 9 |
| TRANSPORTATION | | | |
| 54 | Railroads | 25,912.8 | 16 |
| 55 | Motor Freight | 13,919.3 | 27 |
| 56 | Pipelines | 29,526.4 | 12 |
| 57 | Other Transp. | 1,897.1 | 61 |
| COMMUNICATIONS | | | |
| 58 | Telephone | 38,149.2 | 10 |
| 59 | Radio & TV | 3,163.0 | 57 |
| 60 | Other Comm. | 402.5 | 73 |
| UTILITIES | | | |
| 61 | Gas | 2,145.8 | 60 |
| 62 | Electric | 25,881.0 | 17 |
| 63 | Water | 7,642.1 | 40 |
| TRADES | | | |
| 64 | Whsle. Ag. Prod. | 3,154.7 | 58 |
| 65 | Whsle. L.S. | 855.4 | 67 |

Table 5. Continued.

| Industry Number | Industry Description | Value Created (\$1,000) | Rank by Value Created |
|------------------------|----------------------|----------------------------|--------------------------|
| 66 | Whsle. General | 82,509.6 | 7 |
| 67 | Retl. Ag. Equip. | 846.7 | 68 |
| 68 | Retl. General | 190,945.3 | 4 |
| F.I.R.E. ^{a/} | | | |
| 69 | Fin-Ins-R.Est. | 97,585.0 | 6 |
| SERVICES | | | |
| 70 | Legal | 9,347.2 | 35 |
| 71 | Lodging | 4,442.4 | 49 |
| 72 | Personal | 11,768.0 | 33 |
| 73 | Business | 18,242.6 | 21 |
| 74 | All Other | 192,754.7 | 3 |

^{a/} Finance-Insurance-Real Estate

Table 6. Percent of total sales made to other local industries and to final demand, by industry, in Northeast Texas, 1967.

| Industry Number | Industry Description | Sales Made to Industries Northeast Texas | | Sales Made to Final Demand | | Total Sales (\$1,000) |
|----------------------------------|----------------------|--|--------|----------------------------|--------|-----------------------|
| | | (\$1,000) | (%) | (\$1,000) | (%) | |
| AGRICULTURE | | | | | | |
| 1 | Irrigated Crops | 647 | 9.51 | 6,153 | 90.49 | 6,800 |
| 2 | Dryland Cotton | 132 | 1.76 | 7,368 | 98.24 | 7,500 |
| 3 | Dryland Crops | 18,747 | 65.09 | 47,547 | 34.91 | 28,800 |
| 4 | Range Livestock | 5,157 | 6.64 | 72,543 | 93.36 | 77,700 |
| 5 | Feedlot L.S. | 3,527 | 80.17 | 873 | 19.83 | 4,400 |
| 6 | Dairy | 18,917 | 51.25 | 17,983 | 48.75 | 36,900 |
| 7 | Poultry & Eggs | 20,633 | 99.77 | 47 | .23 | 20,680 |
| 8 | Forestry | 1,268 | 22.21 | 4,441 | 77.79 | 5,709 |
| 9 | Ag. Supply | 1,912 | 99.98 | 1 | .02 | 1,913 |
| 10 | Ginning | 405 | 100.00 | - | - | 405 |
| 11 | Ag. Services | 7,562 | 95.98 | 316 | 4.02 | 7,878 |
| MINING | | | | | | |
| 12 | Crude Petroleum | 98,337 | 20.91 | 371,896 | 79.09 | 470,233 |
| 13 | Nat. Gas Liquids | 2,833 | 4.49 | 60,319 | 95.51 | 63,152 |
| 14 | Oil & Gas Ser. | 9,211 | 30.70 | 20,789 | 69.30 | 30,000 |
| CONSTRUCTION | | | | | | |
| 15 | Residential | -0- | -0- | 37,861 | 100.00 | 37,861 |
| 16 | Commercial | 108 | .22 | 49,985 | 99.78 | 50,093 |
| 17 | Facility | 319 | .33 | 97,579 | 99.67 | 97,898 |
| 18 | Repair | 16,235 | 98.37 | 269 | 1.63 | 16,504 |
| MANUFACTURING | | | | | | |
| 19 | Meat Products | 8,865 | 15.40 | 48,712 | 84.60 | 57,577 |
| 20 | Dairies | 11,122 | 52.56 | 10,039 | 47.44 | 21,161 |
| 21 | Mills & Feed | 16,776 | 70.72 | 6,947 | 29.28 | 23,723 |
| 22 | Bakery | 5,278 | 51.13 | 5,044 | 48.87 | 10,322 |
| 23 | Food Can-Frozen | 9,357 | 14.95 | 53,222 | 85.05 | 62,579 |
| 24 | Other Food | 1,376 | 5.97 | 21,669 | 94.03 | 23,045 |
| 25 | Beverage | 435 | 1.18 | 36,384 | 98.82 | 36,819 |
| 26 | Apparel | 588 | 1.15 | 50,727 | 98.85 | 51,315 |
| 27 | Logging | 4,023 | 88.03 | 547 | 11.97 | 4,570 |
| 28 | Lumber | 15,411 | 91.98 | 1,344 | 8.02 | 16,755 |
| 29 | Millwork | 6,373 | 19.54 | 26,249 | 80.66 | 32,622 |
| 30 | Furniture | 1,273 | 10.58 | 10,453 | 89.42 | 11,726 |
| 31 | Paper Products | 9,141 | 68.42 | 4,218 | 31.58 | 13,359 |
| 32 | Print & Pub. | 5,669 | 50.89 | 5,471 | 49.11 | 11,140 |
| 33 | Other Print. | 1,918 | 22.08 | 6,771 | 77.92 | 8,689 |
| 34 | Chem. & Pet. Prod. | 64,829 | 20.92 | 245,026 | 79.08 | 309,855 |
| 35 | Ag. Chemicals | 401 | 18.14 | 1,807 | 81.86 | 2,208 |
| 36 | Glass | 1,412 | 9.91 | 12,838 | 90.09 | 14,250 |
| 37 | Clay | 4,872 | 19.99 | 19,495 | 80.01 | 24,367 |
| 38 | Stone | 2,846 | 89.39 | 338 | 10.61 | 3,184 |
| 39 | Cement | 3,479 | 23.69 | 11,204 | 76.31 | 14,683 |
| 40 | Foundries | 62,475 | 35.47 | 113,653 | 64.53 | 176,128 |
| 41 | Metal & Fabric | 3,113 | 18.25 | 13,946 | 81.75 | 17,059 |
| 42 | Plate Work | 34 | .13 | 25,953 | 99.87 | 25,987 |
| 43 | Sheet Metal | 916 | 63.85 | 519 | 36.15 | 1,435 |
| 44 | Metal Doors | 143 | 4.71 | 2,887 | 95.29 | 3,030 |
| 45 | Other Metal | 11,779 | 38.93 | 18,478 | 61.07 | 30,257 |
| 46 | Industrial Mach. | 8,589 | 8.56 | 91,718 | 91.44 | 100,307 |
| 47 | Service Mach. | 170 | 3.53 | 4,650 | 96.47 | 4,820 |
| 48 | Electrical Mach. | 1,860 | 4.54 | 39,076 | 95.46 | 40,936 |
| 49 | Transp. Mach. | 1,963 | 5.91 | 31,266 | 94.09 | 33,229 |
| 50 | Scientific Mach. | 1,386 | 84.51 | 254 | 15.49 | 1,640 |
| 51 | Games & Toys | 15 | .16 | 8,912 | 99.84 | 8,927 |
| 52 | Other Mfg. | 1,032 | 55.43 | 830 | 44.57 | 1,862 |
| 53 | Ordnance | -0- | -0- | 213,160 | 100.00 | 213,160 |
| TRANSPORTATION | | | | | | |
| 54 | Railroads | 19,072 | 51.27 | 18,127 | 48.73 | 37,199 |
| 55 | Motor Freight | 24,581 | 86.24 | 3,955 | 13.76 | 28,536 |
| 56 | Pipelines | 366 | .94 | 38,440 | 99.06 | 38,806 |
| 57 | Other Transp. | 1,730 | 61.21 | 1,097 | 38.79 | 2,827 |
| COMMUNICATIONS | | | | | | |
| 58 | Telephone | 17,147 | 42.35 | 23,338 | 57.65 | 40,485 |
| 59 | Radio & TV | 2,553 | 48.84 | 2,675 | 51.16 | 5,228 |
| 60 | Other Comm. | 300 | 66.68 | 150 | 33.32 | 450 |
| UTILITIES | | | | | | |
| 61 | Gas | 25,977 | 46.33 | 30,097 | 53.67 | 56,074 |
| 62 | Electric | 27,286 | 50.65 | 26,581 | 49.35 | 53,867 |
| 63 | Water | 5,622 | 42.88 | 7,488 | 57.12 | 13,110 |
| TRADES | | | | | | |
| 64 | Whsle. Ag. Prod. | 781 | 5.95 | 12,345 | 94.05 | 13,126 |
| 65 | Whsle. L.S. | 504 | 32.85 | 1,030 | 67.15 | 1,534 |
| 66 | Whsle. General | 33,825 | 25.26 | 100,427 | 74.80 | 134,252 |
| 67 | Retl. Ag. Equip. | 45 | 2.39 | 1,831 | 97.61 | 1,876 |
| 68 | Retl. General | 15,267 | 5.70 | 252,713 | 94.30 | 267,980 |
| F. I. R. E. ^{a/} | | | | | | |
| 69 | Fin-Ins.-R.Est. | 71,285 | 60.29 | 46,958 | 39.71 | 118,243 |
| SERVICES | | | | | | |
| 70 | Legal | 3,494 | 30.39 | 8,001 | 69.61 | 11,495 |
| 71 | Loging | 717 | 10.26 | 6,264 | 89.74 | 6,981 |
| 72 | Personal | 1,206 | 6.90 | 16,268 | 93.10 | 17,474 |
| 73 | Business | 37,068 | 95.82 | 1,616 | 4.18 | 38,684 |
| 74 | All Other | 21,209 | 7.84 | 249,221 | 92.16 | 270,430 |

^{a/} Finance-Insurance-Real Estate

local markets or markets outside the region it may be of even more interest to know how important sales to consumers are to an industry, to governments or other components of final demand.

Many industries, such as agriculture and mining, sell their output mainly to other processing industries. Only indirectly, after moving through many processors, does the product move into final demand where it is consumed. These industries, and many more are indirectly affected by the sales of other industries. The dependence of an industry, both directly and indirectly, upon sales to final demand markets is important. The total dependence, both direct and indirect, of each industry upon final demand is shown in Table 7. For example, producers of irrigated crops sell \$1.7 million of goods and services directly to households in Northeast Texas, but indirectly an additional \$.15 million of that industry's output depends on the expenditure of Northeast Texas families which make up the household industry.

From Table 7 it is possible to ascertain the significance of each final demand component both direct and indirect, in creating a demand for the output of Northeast Texas industries. A careful study of Table 7 will show that a few industries are hardly affected by the expenditures of other industries. But production in other industries depends in an important way on the expenditures by final demand components seemingly far removed from the markets they serve directly. For instance the crude petroleum industry does not sell any of its output directly to the households industry in Northeast Texas. But indirectly through other industries \$22,365.6 thousand of the crude petroleum industry's output is purchased by households. In contrast to this is the natural case liquids industry which sells \$60,089.6 thousand directly to households and only \$143.1 thousand is purchased by households indirectly through other industries, Table 7.

The Direct Requirements Table for Northeast Texas:

The technical coefficients, which comprise the Direct Requirements Table, show the amount of output from one processing industry required per unit of output of another processing industry, Appendix Table 2. These technical coefficients are needed in order to compute the interdependence coefficients. Then, the technical coefficients are needed in computing certain types of multipliers used for estimating impact analyses.

The Interdependence Table for Northeast Texas:

The Interdependence Table is composed of interdependence coefficients which show both the direct and indirect output required of each processing industry to produce one dollar's worth of output sold to final demand for a given industry. The indirect effect on output is the additional purchases of materials and services caused by those industries who must increase their output to supply inputs to the industry which first experienced the increase in final demand for its products.

For example, for each dollar of inputs purchased irrigated crops purchases goods and services from itself valued at .02 cents, .03 cents from agricultural supplies, .06 cents from agricultural services and 99.89 cents from other suppliers (Appendix Table 2).

Table 7. Total of each Industry's output attributable to each major category of final demand, Northeast Texas, 1967.

| Industry | | : N.E. Texas Personal Consumption : | | | : Federal Government : | | | : State Government : | | | : Local Government : | | |
|------------------------|--------------------|-------------------------------------|-----------|----------|------------------------|-----------|----------|----------------------|----------|----------|----------------------|---------|----------|
| : Industry | | : Expenditures (Households) : | | | : Federal Government : | | | : State Government : | | | : Local Government : | | |
| Number | Description | Total | Direct | Indirect | Total | Direct | Indirect | Total | Direct | Indirect | Total | Direct | Indirect |
| (Thousand Dollars) | | | | | | | | | | | | | |
| AGRICULTURE | | | | | | | | | | | | | |
| 1 | Irrigated Crops | 1,888.8 | 1,739.2 | 149.6 | 625.9 | 620.7 | 5.2 | .4 | -0- | .4 | -0- | -0- | -0- |
| 2 | Dryland Cotton | -0- | -0- | -0- | 4,537.9 | 4,477.6 | 80.3 | -0- | -0- | -0- | -0- | -0- | -0- |
| 3 | Dryland Crops | 4,064.5 | 965.2 | 3,099.3 | 4,505.9 | 4,253.7 | 252.2 | 13.4 | -0- | 13.4 | 1.1 | -0- | 1.1 |
| 4 | Range Livestock | 5,490.6 | 1,771.0 | 3,719.6 | 1,248.1 | 1,221.1 | 27.0 | 1.3 | -0- | 1.3 | .8 | -0- | .8 |
| 5 | Feedlot L.S. | 2,865.9 | -0- | 2,865.9 | 18.7 | -0- | 18.7 | 1.0 | -0- | 1.0 | .6 | -0- | .6 |
| 6 | Dairy | 9,716.4 | 1,430.0 | 8,286.4 | 333.7 | -0- | 333.7 | 119.8 | -0- | 119.8 | 8.4 | -0- | 8.4 |
| 7 | Poultry & Eggs | 16,888.3 | 42.1 | 16,846.2 | 110.2 | -0- | 110.2 | 11.2 | 5.0 | 11.2 | 3.6 | -0- | 3.6 |
| 8 | Forestry | 4,678.2 | 4,379.6 | 298.6 | 15.9 | -0- | 15.9 | 65.2 | 61.1 | 4.1 | 21.0 | -0- | 21.0 |
| 9 | Ag. Supply | 661.2 | .3 | 660.9 | 90.4 | -0- | 90.4 | 2.5 | -0- | 2.5 | 1.3 | -0- | 1.3 |
| 10 | Ginning | -0- | -0- | -0- | 246.1 | -0- | 246.1 | -0- | -0- | -0- | -0- | -0- | -0- |
| 11 | Ag. Services | 5,130.8 | 316.3 | 4,814.5 | 124.1 | -0- | 124.1 | 6.0 | -0- | 6.0 | 5.5 | -0- | 5.5 |
| MINING | | | | | | | | | | | | | |
| 12 | Crude Petroleum | 22,365.6 | -0- | 22,365.6 | 1,856.9 | -0- | 1,856.9 | 202.9 | -0- | 202.9 | 209.3 | -0- | 209.3 |
| 13 | Nat. Gas Liquids | 60,232.7 | 60,089.6 | 143.1 | 13.1 | -0- | 13.1 | 17.2 | -0- | 17.2 | 7.7 | -0- | 7.7 |
| 14 | Oil & Gas Ser. | 429.8 | -0- | 429.8 | 35.5 | -0- | 35.5 | 3.8 | -0- | 3.8 | 4.0 | -0- | 4.0 |
| CONSTRUCTION | | | | | | | | | | | | | |
| 15 | Residential | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- |
| 16 | Commercial | 4.1 | -0- | 4.1 | .3 | -0- | .3 | .2 | -0- | .2 | 5,645.0 | 5,639.5 | 5.5 |
| 17 | Facility | 26.7 | -0- | 26.7 | 1,537.6 | 1,536.1 | 1.5 | 26,118.4 | 26,118.3 | 1.1 | 21.2 | -0- | 21.2 |
| 18 | Repair | 9,251.8 | -0- | 9,251.8 | 748.3 | 143.5 | 604.8 | 150.0 | 110.3 | 39.7 | 82.4 | -0- | 82.4 |
| MANUFACTURING | | | | | | | | | | | | | |
| 19 | Meat Products | 47,008.9 | 39,039.9 | 7,969.0 | 307.5 | -0- | 307.5 | 16.4 | -0- | 16.4 | 10.2 | -0- | 10.2 |
| 20 | Dairies | 9,747.6 | 5.2 | 9,742.4 | 377.9 | -0- | 377.9 | 142.2 | 130.0 | 12.2 | 9.9 | -0- | 9.9 |
| 21 | Mills & Feed | 9,983.2 | 5.2 | 9,978.0 | 120.5 | -0- | 120.5 | 44.6 | 23.3 | 21.3 | 3.2 | -0- | 3.2 |
| 22 | Bakery | 4,973.4 | 200.0 | 4,773.4 | 185.0 | -0- | 185.0 | 60.1 | 54.2 | 5.9 | 4.1 | -0- | 4.1 |
| 23 | Food Can-Frozen | 8,576.9 | 9.0 | 8,567.9 | 332.4 | -0- | 332.4 | 9.7 | -0- | 9.7 | 9.1 | .2 | 8.9 |
| 24 | Other Food | 360.2 | .8 | 359.4 | 23.5 | -0- | 23.5 | 1.3 | -0- | 1.3 | 90.3 | 88.1 | 2.2 |
| 25 | Beverage | 2,433.6 | 2,232.2 | 201.4 | 5.8 | -0- | 5.8 | 1.5 | -0- | 1.5 | 3.2 | -0- | 3.2 |
| 26 | Apparel | 94.1 | 4.5 | 89.6 | 479.6 | 474.0 | 5.6 | 4.1 | 1.8 | 2.3 | 242.7 | 231.6 | 11.1 |
| 27 | Logging | 1,076.3 | 546.9 | 529.4 | 57.6 | -0- | 57.6 | 14.7 | -0- | 14.7 | 75.9 | -0- | 75.9 |
| 28 | Lumber | 1,442.9 | 63.6 | 1,379.3 | 230.0 | -0- | 230.0 | 63.6 | 36.9 | 26.7 | 366.9 | 40.1 | 326.8 |
| 29 | Millwork | 2,697.8 | 73.4 | 2,624.4 | 1,449.6 | 1,270.9 | 178.7 | 25.2 | 4.1 | 21.1 | 139.9 | -0- | 139.9 |
| 30 | Furniture | 1,238.3 | 153.2 | 1,085.1 | 46.2 | -0- | 46.2 | 3.0 | -0- | 3.0 | 8.0 | 4.7 | 3.3 |
| 31 | Paper Products | 2,799.1 | -0- | 2,799.1 | 82.8 | -0- | 82.8 | 42.6 | 26.3 | 16.3 | 21.5 | -0- | 21.5 |
| 32 | Print & Pub. | 8,883.4 | 3,885.0 | 4,998.4 | 19.4 | -0- | 19.4 | 11.8 | -0- | 11.8 | 33.7 | 24.5 | 9.2 |
| 33 | Other Print | 1,185.3 | 54.4 | 1,130.9 | 36.4 | -0- | 36.4 | 8.6 | -0- | 8.6 | 44.5 | 26.0 | 18.5 |
| 34 | Chem. & Pet. Prod. | 13,824.2 | 966.8 | 12,857.4 | 1,359.0 | -0- | 1,359.0 | 936.5 | 205.8 | 730.7 | 859.4 | 96.3 | 763.1 |
| 35 | Ag. Chemicals | 736.9 | 673.3 | 63.6 | 17.6 | -0- | 17.6 | 24.7 | 23.7 | 1.0 | .9 | -0- | .9 |
| 36 | Glass | 41.0 | -0- | 41.0 | 2.1 | -0- | 2.1 | .1 | -0- | .1 | 5.3 | -0- | 5.3 |
| 37 | Clay | 2,922.2 | 2,771.0 | 151.2 | 36.0 | -0- | 36.0 | 132.6 | -0- | 132.6 | 137.9 | -0- | 137.9 |
| 38 | Stone | 1,707.8 | 41.9 | 1,665.9 | 32.2 | -0- | 32.2 | 264.4 | 244.6 | 19.8 | 27.5 | -0- | 27.5 |
| 39 | Cement | 9,469.3 | 9,008.2 | 461.1 | 60.1 | -0- | 60.1 | 144.4 | 80.4 | 64.0 | 536.5 | 282.0 | 254.5 |
| 40 | Foundries | 1,614.7 | 7.8 | 1,606.9 | 58,787.3 | 19,278.2 | 39,509.1 | 981.4 | 89.7 | 891.7 | 4,669.2 | 4,339.4 | 329.8 |
| 41 | Metal & Fabric | 496.6 | -0- | 496.6 | 66.6 | -0- | 66.6 | 129.1 | -0- | 129.1 | 67.1 | -0- | 67.1 |
| 42 | Plate Work | 10.3 | -0- | 10.3 | .8 | -0- | .8 | 27.3 | 27.1 | .2 | 203.8 | 203.5 | .3 |
| 43 | Sheet Metal | 6.1 | -0- | 6.1 | 5.7 | -0- | 5.7 | 100.1 | 5.0 | 95.1 | 46.7 | -0- | 46.7 |
| 44 | Metal Doors | 2,936.6 | 2,887.1 | 49.5 | 2.0 | -0- | 2.0 | -0- | -0- | -0- | 9.8 | -0- | 9.8 |
| 45 | Other Metal | 1,811.7 | 87.0 | 1,724.7 | 289.8 | 240.0 | 49.8 | 267.2 | -0- | 267.2 | 423.1 | 7.8 | 415.3 |
| 46 | Industrial Mach. | 5,013.4 | -0- | 5,013.4 | 45.9 | -0- | 45.9 | 127.3 | -0- | 127.3 | 1,191.6 | 1,061.7 | 129.9 |
| 47 | Service Mach. | 65.5 | -0- | 65.5 | 5.0 | -0- | 5.0 | 7.4 | -0- | 7.4 | 4.2 | -0- | 4.2 |
| 48 | Electrical Mach. | 1,237.6 | 456.8 | 780.8 | 13.9 | -0- | 13.9 | 1.9 | -0- | 1.9 | 169.7 | 141.4 | 28.3 |
| 49 | Transp. Mach. | 9,987.8 | -0- | 9,987.8 | 51.1 | -0- | 51.1 | 245.1 | -0- | 245.1 | 1,016.5 | 1,001.6 | 14.9 |
| 50 | Scientific Mach. | 1,084.1 | -0- | 1,084.1 | 25.8 | -0- | 25.8 | .9 | -0- | .9 | 25.9 | -0- | 25.9 |
| 51 | Games & Toys | 13.3 | -0- | 13.3 | .5 | -0- | .5 | -0- | -0- | -0- | -0- | -0- | -0- |
| 52 | Other Mfg. | 256.6 | -0- | 256.6 | 16.5 | -0- | 16.5 | 85.7 | 62.4 | 23.3 | 38.7 | -0- | 38.7 |
| 53 | Ordinance | -0- | -0- | -0- | 162,179.2 | 162,179.1 | .1 | -0- | -0- | -0- | 5.2 | -0- | 5.2 |
| TRANSPORTATION | | | | | | | | | | | | | |
| 54 | Railroads | 20,748.9 | 18,126.5 | 2,622.4 | 3,583.7 | -0- | 3,583.7 | 125.3 | .8 | 124.5 | 335.5 | -0- | 335.5 |
| 55 | Motor Freight | 9,923.6 | 1,946.3 | 6,977.3 | 3,501.8 | 1,553.9 | 1,947.9 | 580.0 | 453.6 | 126.4 | 163.0 | -0- | 163.0 |
| 56 | Pipelines | 38,456.9 | 38,439.8 | 17.1 | 1.6 | -0- | 1.6 | 1.1 | -0- | 1.1 | 1.0 | -0- | 1.0 |
| 57 | Other Transp. | 1,551.8 | 814.4 | 737.4 | 314.1 | 257.6 | 56.5 | 33.3 | 2.6 | 30.7 | 66.0 | 21.9 | 44.1 |
| COMMUNICATIONS | | | | | | | | | | | | | |
| 58 | Telephone | 28,621.4 | 21,584.4 | 7,037.0 | 1,747.4 | 938.1 | 809.3 | 604.4 | 401.0 | 203.4 | 272.8 | 144.7 | 128.1 |
| 59 | Radio & TV | 1,947.8 | 1,389.9 | 1,808.9 | 55.6 | -0- | 55.6 | 14.5 | -0- | 14.5 | 8.3 | -0- | 8.3 |
| 60 | Other Comm. | 167.7 | 149.9 | 17.8 | .5 | -0- | .5 | 6.9 | -0- | 6.9 | 1.9 | -0- | 1.9 |
| UTILITIES | | | | | | | | | | | | | |
| 61 | Gas | 10,605.8 | 2,215.7 | 8,390.1 | 1,909.8 | 584.0 | 1,325.8 | 177.0 | 52.7 | 124.3 | 188.2 | 76.2 | 112.0 |
| 62 | Electric | 36,655.5 | 25,877.6 | 10,777.9 | 3,490.0 | 123.9 | 3,366.1 | 413.5 | 313.3 | 100.2 | 378.2 | 266.7 | 111.5 |
| 63 | Water | 9,764.5 | 6,858.5 | 2,906.0 | 739.9 | 544.1 | 195.8 | 78.8 | 47.0 | 31.8 | 58.8 | 38.1 | 20.7 |
| TRADES | | | | | | | | | | | | | |
| 64 | Whale. Ag. Prod. | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- | -0- |
| 65 | Whale. L.S. | 4.3 | -0- | -0- | .1 | -0- | .1 | -0- | -0- | -0- | -0- | -0- | -0- |
| 66 | Whale. General | 18,862.4 | 8,937.1 | 9,925.3 | 1,487.2 | 113.0 | 1,374.2 | 469.8 | 112.9 | 356.9 | 463.0 | 268.2 | 194.8 |
| 67 | Recl. Ag. Equip. | 310.3 | 304.1 | 6.2 | 7.6 | -0- | 7.6 | -0- | -0- | -0- | -0- | -0- | -0- |
| 68 | Recl. General | 247,530.2 | 240,473.6 | 7,056.6 | 363.7 | -0- | 363.7 | 457.1 | 1.1 | 456.0 | 319.6 | 243.9 | 75.7 |
| F.I.R.E. &/ | | | | | | | | | | | | | |
| 69 | Fin-Ins-R. Est. | 71,168.6 | 43,537.8 | 27,630.8 | 4,579.7 | -0- | 4,579.7 | 1,032.5 | 404.5 | 628.0 | 3,544.3 | 2,924.0 | 620.3 |
| SERVICES | | | | | | | | | | | | | |
| 70 | Legal | 6,418.8 | 5,054.1 | 1,364.7 | 127.6 | -0- | 127.6 | 114.3 | 58.0 | 56.3 | 40.5 | -0- | 40.5 |
| 71 | Lodging | 1,030.2 | 838.6 | 191.6 | 10.4 | -0- | 10.4 | 2.3 | -0- | 2.3 | 29.4 | 21.9 | 7.5 |
| 72 | Personal | 16,739.4 | 16,055.0 | 684.4 | 98.0 | 56.9 | 41.1 | 281.1 | 86.1 | 195.0 | 210.8 | 21.9 | 188.9 |
| 73 | Business | 12,350.7 | 68.1 | 12,282.6 | 412.3 | 4.4 | 407.9 | 5.4 | .1 | 5.3 | 6.6 | -0- | 6.6 |
| 74 | All Other | 248,436.4 | 238,758.3 | 9,678.1 | 9,632.3 | 9,401.7 | 230.6 | 1,382.7 | 330.5 | 1,052.2 | 1,408.4 | 1,011.2 | 397.2 |

Table 7. continued

| Industry Number | Industry Description | Exports to Texas | | | Exports to U.S.A. | | | Foreign Exports | | |
|----------------------------------|----------------------|------------------|-----------|----------|-------------------|-----------|----------|-----------------|----------|----------|
| | | Total | Direct | Indirect | Total | Direct | Indirect | Total | Direct | Indirect |
| AGRICULTURE | | | | | | | | | | |
| 1 | Irrigated Crops | 2,179.1 | 1,757.8 | 421.3 | 2,482.2 | 2,413.5 | 68.7 | -0- | -0- | -0- |
| 2 | Dryland Cotton | -0- | -0- | -0- | 5,701.8 | 5,601.3 | 100.5 | -0- | -0- | -0- |
| 3 | Dryland Crops | 7,042.3 | 4,008.0 | 3,034.3 | 11,988.9 | 53.5 | 11,935.4 | 84.4 | 84.1 | .3 |
| 4 | Range Livestock | 330.0 | -0- | 330.0 | 68,765.2 | 68,133.7 | 631.6 | .1 | -0- | .1 |
| 5 | Feedlot L.S. | 241.7 | -0- | 241.7 | 371.3 | -0- | 371.3 | .1 | -0- | .1 |
| 6 | Dairy | 26,142.0 | 17,293.1 | 8,848.9 | 1,241.5 | -0- | 1,241.5 | 1.8 | -0- | 1.8 |
| 7 | Poultry & Eg | 1,420.8 | -0- | 1,420.8 | 2,182.2 | -0- | 2,182.2 | .6 | -0- | .6 |
| 8 | Forestry | 299.3 | -0- | 299.3 | 172.7 | -0- | 172.7 | .7 | -0- | .7 |
| 9 | Ag. Supply | 466.6 | -0- | 466.6 | 678.5 | -0- | 678.5 | 1.2 | -0- | 1.2 |
| 10 | Canning | -0- | -0- | -0- | 307.8 | -0- | 307.8 | -0- | -0- | -0- |
| 11 | Ag. Services | 1,152.7 | -0- | 1,152.7 | 1,380.4 | -0- | 1,380.4 | .4 | -0- | .4 |
| MINING | | | | | | | | | | |
| 12 | Crude Petroleum | 411,524.2 | 371,895.8 | 39,628.4 | 32,628.3 | -0- | 32,628.3 | 67.5 | -0- | 67.5 |
| 13 | Nat. Gas Liquids | 581.5 | -0- | 581.5 | 1,970.8 | -0- | 1,970.8 | 5.7 | -0- | 5.7 |
| 14 | Oil & Gas Ser. | 21,112.3 | 13,103.3 | 8,009.0 | 8,433.7 | 7,732.9 | 700.8 | 1.2 | -0- | 1.2 |
| CONSTRUCTION | | | | | | | | | | |
| 15 | Residential | 7,688.6 | 7,688.6 | -0- | -0- | -0- | -0- | -0- | -0- | -0- |
| 16 | Commercial | 8,414.0 | 8,356.1 | 57.9 | 4.2 | -0- | 4.2 | -0- | -0- | -0- |
| 17 | Facility | 13,779.7 | 13,741.1 | 38.6 | 12.9 | -0- | 12.9 | .6 | -0- | .6 |
| 18 | Repair | 3,038.8 | -0- | 3,038.8 | 2,598.7 | -0- | 2,598.7 | 53.1 | -0- | 53.1 |
| MANUFACTURING | | | | | | | | | | |
| 19 | Meat Products | 3,965.5 | 3,685.9 | 279.6 | 6,090.4 | 5,932.3 | 158.1 | 1.8 | -0- | 1.8 |
| 20 | Dairies | 10,345.1 | 9,922.8 | 422.3 | 465.3 | -0- | 465.3 | 2.1 | -0- | 2.1 |
| 21 | Mills & Feed | 10,480.6 | 6,298.3 | 4,182.8 | 2,883.8 | 460.8 | 242.30 | .6 | -0- | .6 |
| 22 | Bakery | 4,835.8 | 4,669.4 | 166.4 | 96.8 | -0- | 96.8 | 1.0 | -0- | 1.0 |
| 23 | Foods Can-Frozen | 48,060.1 | 47,845.1 | 215.0 | 5,499.8 | 5,368.2 | 131.6 | 1.9 | -0- | 1.9 |
| 24 | Other Food | 5,242.2 | 5,090.5 | 151.7 | 17,299.3 | 16,534.4 | 764.9 | .4 | -0- | .4 |
| 25 | Beverage | 19,978.7 | 19,819.4 | 159.3 | 13,343.6 | 13,289.4 | 54.2 | .1 | -0- | .1 |
| 26 | Apparel | 23,509.1 | 23,355.8 | 153.5 | 23,923.2 | 23,701.5 | 221.7 | 19.5 | -0- | 19.5 |
| 27 | Logging | 1,078.9 | -0- | 1,078.9 | 622.7 | -0- | 622.7 | 2.7 | -0- | 2.7 |
| 28 | Lumber | 4,509.7 | 1,114.7 | 3,395.0 | 2,122.5 | 18.4 | 2,104.1 | 11.4 | -0- | 11.4 |
| 29 | Millwork | 9,563.7 | 8,565.4 | 998.3 | 13,692.0 | 12,525.3 | 1,166.7 | 9.1 | -0- | 9.1 |
| 30 | Furniture | 3,038.8 | 2,976.7 | 62.1 | 7,651.2 | 7,604.6 | 46.6 | 67.9 | 67.1 | .8 |
| 31 | Paper Products | 7,182.2 | 4,123.2 | 3,059.0 | 2,090.0 | 1,000.5 | 1,089.5 | 7.6 | -0- | 7.6 |
| 32 | Print & Pub. | 1,247.9 | 1,085.7 | 162.2 | 650.5 | 475.5 | 175.0 | .9 | -0- | .9 |
| 33 | Other Print | 6,990.6 | 6,623.5 | 367.1 | 273.3 | -0- | 273.3 | 3.4 | -0- | 3.4 |
| 34 | Chem. & Pet. Prod. | 64,000.6 | 45,588.9 | 18,411.7 | 221,150.0 | 196,822.3 | 24,327.7 | 639.2 | 29.6 | 609.6 |
| 35 | Ag. Chemicals | 992.4 | 867.9 | 124.5 | 429.0 | 242.4 | 186.6 | .4 | -0- | .4 |
| 36 | Glass | 344.0 | -0- | 344.0 | 1,017.8 | -0- | 1,017.8 | -0- | -0- | -0- |
| 37 | Clay | 7,958.2 | 7,038.2 | 920.0 | 9,922.9 | 9,762.7 | 160.2 | .7 | -0- | .7 |
| 38 | Stone | 445.4 | 46.7 | 398.7 | 491.9 | -0- | 491.9 | .9 | -0- | .9 |
| 39 | Cement | 926.5 | 300.2 | 626.3 | 1,598.3 | 1,319.7 | 278.6 | 3.3 | -0- | 3.3 |
| 40 | Foundries | 48,074.0 | 35,808.7 | 12,265.3 | 51,533.0 | 48,478.5 | 3,054.5 | 91.1 | -0- | 91.1 |
| 41 | Metal & Fabric | 3,377.9 | 2,672.7 | 705.2 | 11,763.0 | 11,310.7 | 452.3 | 64.0 | -0- | 64.0 |
| 42 | Plate Work | 24,641.3 | 24,623.9 | 17.4 | 2.7 | -0- | 2.7 | -0- | -0- | -0- |
| 43 | Sheet Metal | 552.6 | 406.9 | 145.7 | 118.0 | 71.6 | 46.4 | 9.1 | -0- | 9.1 |
| 44 | Metal Doors | 16.6 | -0- | 16.6 | 1.4 | -0- | 1.4 | -0- | -0- | -0- |
| 45 | Other Metal | 17,803.6 | 15,762.7 | 2,040.9 | 4,502.0 | 1,543.4 | 2,958.6 | 619.8 | 160.4 | 459.4 |
| 46 | Industrial Mach. | 15,789.1 | 15,117.9 | 671.2 | 55,365.1 | 54,379.6 | 985.5 | 11,040.3 | 10,883.1 | 157.2 |
| 47 | Service Mach. | 4,140.6 | 4,110.6 | 30.0 | 555.2 | 539.2 | 16.0 | -0- | -0- | -0- |
| 48 | Electrical Mach. | 5,665.2 | 5,442.8 | 222.4 | 27,997.6 | 27,840.5 | 157.1 | 18.9 | -0- | 18.9 |
| 49 | Transp. Mach | 11,429.8 | 11,190.9 | 238.9 | 18,263.3 | 18,203.7 | 59.6 | .5 | -0- | .5 |
| 50 | Scientific Mach. | 59.7 | -0- | 59.7 | 20.6 | -0- | 20.6 | .1 | -0- | .1 |
| 51 | Games & Toys | 1,631.7 | 1,631.4 | .3 | 7,234.7 | -0- | 7,234.7 | .2 | -0- | .2 |
| 52 | Other Mfg. | 601.9 | 405.8 | 196.1 | 312.5 | 5,216.8 | 95.7 | 1.0 | -0- | 1.0 |
| 53 | Ordinance | 42,902.1 | 42,902.1 | -0- | 8,511.5 | 8,511.5 | -0- | -0- | -0- | -0- |
| TRANSPORTATION | | | | | | | | | | |
| 54 | Railroads | 5,431.8 | -0- | 5,431.8 | 5,902.0 | -0- | 5,902.0 | 14.5 | -0- | 14.5 |
| 55 | Motor Freight | 8,361.3 | -0- | 8,361.3 | 5,869.4 | -0- | 5,869.4 | 150.8 | -0- | 150.8 |
| 56 | Pipelines | 75.4 | -0- | 75.4 | 260.4 | -0- | 260.4 | .7 | -0- | .7 |
| 57 | Other Transp. | 433.9 | -0- | 433.9 | 238.7 | -0- | 238.7 | 3.0 | -0- | 3.0 |
| COMMUNICATIONS | | | | | | | | | | |
| 58 | Telephones | 4,530.3 | -0- | 4,530.3 | 3,418.7 | -0- | 3,418.7 | 44.8 | -0- | 44.8 |
| 59 | Radio & TV | 1,121.8 | 819.7 | 302.1 | 1,952.7 | 1,715.9 | 236.8 | .5 | -0- | .5 |
| 60 | Other Comms. | 145.2 | -0- | 145.2 | 91.9 | -0- | 91.9 | -0- | -0- | -0- |
| UTILITIES | | | | | | | | | | |
| 61 | Gas | 16,066.2 | 11,391.4 | 4,674.8 | 25,942.8 | 15,710.8 | 10,232.0 | 46.0 | -0- | 46.0 |
| 62 | Electric | 5,707.8 | -0- | 5,707.8 | 5,876.7 | -0- | 5,876.7 | 60.2 | -0- | 60.2 |
| 63 | Water | 894.3 | -0- | 894.3 | 743.0 | -0- | 743.0 | 7.0 | -0- | 7.0 |
| TRADES | | | | | | | | | | |
| 64 | Whale. Ag. Prod. | 10,408.2 | 9,788.8 | 619.4 | 2,717.4 | 2,555.6 | 161.8 | -0- | -0- | -0- |
| 65 | Whale. L.S. | 1,523.6 | 1,030.2 | 493.4 | 5.2 | -0- | 5.2 | -0- | -0- | -0- |
| 66 | Whale. General | 51,696.2 | 39,374.7 | 12,321.5 | 56,772.1 | 49,947.4 | 6,824.7 | 163.9 | 16.5 | 147.4 |
| 67 | Retl. Ag. Equip. | 7.7 | -0- | 7.7 | 24.9 | -0- | 24.9 | -0- | -0- | -0- |
| 68 | Retl. General | 2,977.5 | 29.9 | 2,947.6 | 2,526.1 | -0- | 2,526.1 | 24.0 | -0- | 24.0 |
| F. I. R. E. ^{a/} | | | | | | | | | | |
| 69 | Fin-Ins R.Est. | 16,016.3 | -0- | 16,016.3 | 15,758.1 | -0- | 15,758.1 | 162.6 | -0- | 162.6 |
| SERVICES | | | | | | | | | | |
| 70 | Legal | 1,235.8 | 175.4 | 1,060.4 | 3,150.9 | 2,713.6 | 437.3 | 7.0 | -0- | 7.0 |
| 71 | Lodging | 4,152.0 | 3,809.4 | 342.6 | 1,615.8 | 1,488.0 | 127.8 | 81.5 | 80.1 | 1.4 |
| 72 | Personal | 5,946.7 | 870.9 | 5,075.8 | 3,583.9 | 34.1 | 3,549.8 | 2.7 | -0- | 2.7 |
| 73 | Business | 269.3 | -0- | 269.3 | 261.4 | 110.2 | 151.2 | 129.7 | -0- | 129.7 |
| 74 | All Other | 12,883.5 | 40.3 | 12,843.2 | 5,087.4 | 161.7 | 4,925.7 | 54.1 | -0- | 54.1 |

^{a/}Finance-Insurance-Real Estate

These are direct purchases made by irrigated crops to produce one dollar of output. If the demand for the output of irrigated crops is increased by one dollar, this industry will purchase inputs from those industries listed above. In order for these industries to provide the necessary inputs needed by irrigated crops, they in turn, must make additional purchases of goods and services. This is the indirect effect of an increase in the output of irrigated crops industry. These additional purchases cause other industries to increase their purchases and the indirect effects continue as in a chain reaction until the effect of the initial change reaches almost every other industry. The indirect effect gets progressively smaller with each round of buying.

Another indication of the interdependence of industries is the source of purchases. Inputs in the production process are acquired from other local industries or suppliers or they must be imported into the region. Those inputs which are obtained from Northeast Texas industries represent interindustry purchases.

The percent of total inputs that constitutes interindustry purchases varies widely among industries. For example interindustry purchases make up 91.44 percent of the total purchases made by the gas industry while only 2.28 percent of the apparel industry's total purchases are interindustry purchases, Table 8.

The facility construction industry imports 78.39 percent of its total inputs while other communication imports only .96 percent of its total inputs, Table 8. In terms of value created, of which wages usually make up the biggest portion, the forest industry acquires 91.06 percent of its total inputs from value created while the feedlot livestock industry's value created accounts for only 1.90 percent and the value created by the poultry and eggs industry is a negative 13.67 of the total purchases, Table 8. The proportion of inputs obtained from interindustry sources, imports, and value created for each industry are shown in Table 8.

From the transaction table it is possible to determine whether an industry is integrated into the economy. Some industries may be highly integrated in terms of sales but not in purchases while others may be integrated in terms of purchases but not sales. For example, the feedlot livestock industry sold 80.17 percent of its output to other Northeast Texas industries and purchased 75.52 of its inputs from local industries. In contract the agriculture services industry sold 95.98 percent of its total output to other Northeast Texas industries but purchased only 9.71 percent of its inputs from local industries. However, the agricultural services industry did purchase 63.69 percent of its value created locally.

The other foods industry sold only 5.97 percent of its output to other local industries, purchased 13.22 percent of its inputs from other local industries, imported 68.78 percent of its total inputs. Value created amounted to 18.00 percent of the total purchases, Table 6 and 8.

By comparing Tables 6 and 8, it is possible to determine whether an industry is an important market for other local industries in terms of sales and purchases. Table 7 may be used to gain more insight into the indirect effect the different components of final demand have on the demand

Table 8. Percent of purchases for intermediate inputs, value created, and imports by industry in Northeast Texas, 1967.^{a/}

| Industry Number | Industry Description | Intermediate Purchase | | Value Created | | Imports | | Total Purchase (\$1,000) |
|------------------------------|----------------------|-----------------------|-------|---------------|--------|-----------|-------|--------------------------|
| | | (\$1,000) | (%) | (\$1,000) | (%) | (\$1,000) | (%) | |
| AGRICULTURE | | | | | | | | |
| 1 | Irrigated Crops | 1,029 | 15.13 | 4,313 | 63.43 | 1,458 | 21.44 | 6,800 |
| 2 | Dryland Cotton | 1,448 | 19.30 | 4,220 | 56.27 | 1,832 | 24.43 | 7,500 |
| 3 | Dryland Crops | 4,477 | 15.55 | 15,811 | 54.90 | 8,511 | 29.55 | 28,800 |
| 4 | Range Livestock | 28,828 | 34.53 | 26,915 | 36.64 | 23,956 | 30.83 | 77,700 |
| 5 | Feedlot L.S. | 3,323 | 75.52 | 84 | 1.90 | 993 | 22.58 | 4,400 |
| 6 | Dairy | 14,026 | 38.01 | 12,605 | 34.16 | 10,268 | 27.83 | 36,900 |
| 7 | Poultry & Eggs | 16,617 | 80.35 | -2,827 | -13.67 | 6,890 | 33.32 | 20,680 |
| 8 | Forestry | 344 | 6.03 | 5,198 | 91.06 | 166 | 2.91 | 5,709 |
| 9 | Ag. Supply | 282 | 14.74 | 1,429 | 74.68 | 202 | 10.58 | 1,913 |
| 10 | Ginning | 149 | 36.91 | 227 | 55.93 | 29 | 7.16 | 405 |
| 11 | Ag. Services | 765 | 9.71 | 5,017 | 63.69 | 2,096 | 26.61 | 7,878 |
| MINING | | | | | | | | |
| 12 | Crude Petroleum | 69,046 | 14.68 | 317,560 | 67.53 | 83,628 | 17.78 | 470,234 |
| 13 | Nat. Gas Liquids | 21,510 | 34.06 | 32,436 | 51.36 | 9,206 | 14.58 | 63,152 |
| 14 | Oil & Gas Ser. | 2,496 | 8.32 | 15,628 | 52.09 | 11,876 | 39.59 | 30,000 |
| CONSTRUCTION | | | | | | | | |
| 15 | Residential | 17,800 | 47.01 | 15,454 | 40.82 | 4,607 | 12.17 | 37,861 |
| 16 | Commercial | 23,229 | 46.37 | 22,578 | 45.07 | 4,287 | 8.56 | 50,093 |
| 17 | Facility | 16,979 | 17.34 | 4,181 | 4.27 | 76,738 | 78.39 | 97,898 |
| 18 | Repair | 7,123 | 43.16 | 7,662 | 46.42 | 1,719 | 10.41 | 16,504 |
| MANUFACTURING | | | | | | | | |
| 19 | Meat Products | 32,810 | 56.98 | 9,578 | 16.64 | 15,189 | 26.38 | 57,577 |
| 20 | Dairies | 18,060 | 85.35 | 1,315 | 6.21 | 1,786 | 8.44 | 21,161 |
| 21 | Mills & Feed | 5,489 | 23.14 | 3,187 | 13.43 | 15,047 | 63.43 | 23,723 |
| 22 | Bakery | 758 | 7.35 | 4,715 | 45.68 | 4,848 | 46.97 | 10,322 |
| 23 | Foods Can-Frozen | 10,988 | 17.56 | 16,437 | 26.27 | 35,155 | 56.18 | 62,580 |
| 24 | Other Food | 3,048 | 13.22 | 4,148 | 18.00 | 15,849 | 68.78 | 23,045 |
| 25 | Beverage | 4,716 | 12.81 | 12,151 | 31.06 | 19,953 | 54.19 | 36,819 |
| 26 | Apparel | 1,170 | 2.28 | 19,216 | 37.45 | 30,929 | 60.27 | 51,315 |
| 27 | Logging | 3,047 | 66.68 | 1,051 | 22.99 | 472 | 10.33 | 4,570 |
| 28 | Lumber | 7,066 | 42.17 | 7,846 | 46.83 | 1,843 | 11.00 | 16,755 |
| 29 | Millwork | 4,766 | 14.64 | 12,697 | 38.92 | 15,148 | 46.44 | 32,622 |
| 30 | Furniture | 1,302 | 11.10 | 4,849 | 41.35 | 5,576 | 47.55 | 11,726 |
| 31 | Paper Products | 1,129 | 8.45 | 3,867 | 28.95 | 8,362 | 62.60 | 13,359 |
| 32 | Print & Pub. | 4,923 | 44.19 | 4,728 | 42.44 | 1,489 | 13.37 | 11,140 |
| 33 | Other Print | 1,021 | 11.75 | 4,753 | 54.70 | 2,915 | 33.55 | 8,689 |
| 34 | Chem. & Pet. Prod. | 61,488 | 19.84 | 114,631 | 37.00 | 133,736 | 43.16 | 309,858 |
| 35 | Ag. Chemicals | 99 | 4.47 | 450 | 20.38 | 1,659 | 75.15 | 2,208 |
| 36 | Glass | 4,059 | 28.48 | 6,236 | 43.76 | 3,955 | 27.15 | 14,250 |
| 37 | Clay | 4,820 | 19.78 | 15,716 | 64.50 | 3,830 | 15.72 | 24,367 |
| 38 | Stone | 1,050 | 32.69 | 1,020 | 32.04 | 1,114 | 34.99 | 3,184 |
| 39 | Cement | 2,638 | 17.97 | 2,980 | 20.30 | 9,065 | 61.74 | 14,683 |
| 40 | Foundries | 19,194 | 10.90 | 81,934 | 46.52 | 74,999 | 42.58 | 176,128 |
| 41 | Metal & Fabric | 1,128 | 6.61 | 6,032 | 35.36 | 9,899 | 58.03 | 17,059 |
| 42 | Plate Work | 1,912 | 7.36 | 12,798 | 49.25 | 11,277 | 43.39 | 25,987 |
| 43 | Sheet Metal | 393 | 27.36 | 638 | 44.48 | 404 | 28.16 | 1,435 |
| 44 | Metal Doors | 441 | 14.55 | 929 | 30.65 | 1,661 | 54.81 | 3,030 |
| 45 | Other Metal | 3,430 | 11.34 | 13,689 | 45.24 | 13,138 | 43.42 | 30,257 |
| 46 | Industrial Mach. | 17,647 | 17.59 | 28,024 | 27.94 | 54,636 | 54.47 | 100,307 |
| 47 | Service Mach. | 1,674 | 13.98 | 3,351 | 69.52 | 795 | 16.50 | 4,820 |
| 48 | Electrical Mach. | 6,453 | 15.76 | 25,976 | 63.45 | 8,508 | 20.78 | 40,936 |
| 49 | Transp. Mach. | 1,461 | 4.40 | 8,452 | 25.44 | 23,316 | 70.17 | 33,229 |
| 50 | Scientific Mach. | 47 | 2.87 | 732 | 44.64 | 861 | 52.49 | 1,640 |
| 51 | Games & Toys | 330 | 3.69 | 7,778 | 87.12 | 820 | 9.18 | 8,927 |
| 52 | Other Mfg. | 525 | 28.22 | 712 | 38.24 | 624 | 33.54 | 1,862 |
| 53 | Ordinance | 60,969 | 28.60 | 67,160 | 31.51 | 85,030 | 39.89 | 213,160 |
| TRANSPORTATION | | | | | | | | |
| 54 | Railroads | 10,680 | 28.71 | 25,913 | 69.66 | 606 | 1.63 | 37,199 |
| 55 | Motor Freight | 8,952 | 31.37 | 13,919 | 48.78 | 5,665 | 19.58 | 28,536 |
| 56 | Pipelines | 8,179 | 21.08 | 29,526 | 76.09 | 1,100 | 2.84 | 38,806 |
| 57 | Other Transp. | 706 | 24.97 | 1,897 | 67.11 | 224 | 7.91 | 2,827 |
| COMMUNICATIONS | | | | | | | | |
| 58 | Telephone | 1,804 | 4.95 | 38,149 | 94.23 | 533 | 1.32 | 40,485 |
| 59 | Radio & TV | 1,313 | 25.11 | 3,163 | 60.51 | 752 | 14.38 | 5,228 |
| 60 | Other Comm. | 43 | 9.58 | 403 | 89.46 | 4 | .96 | 450 |
| UTILITIES | | | | | | | | |
| 61 | Gas | 51,277 | 91.44 | 2,146 | 3.83 | 2,651 | 4.73 | 56,074 |
| 62 | Electric | 9,878 | 18.34 | 25,881 | 48.05 | 18,108 | 33.62 | 53,867 |
| 63 | Water | 3,831 | 29.23 | 7,642 | 58.29 | 1,636 | 12.48 | 13,110 |
| TRADES | | | | | | | | |
| 64 | Wholesale Ag. Prod | 2,794 | 21.29 | 3,155 | 24.03 | 7,177 | 54.68 | 13,126 |
| 65 | Wholesale L.S. | 652 | 42.48 | 855 | 55.76 | 27 | 1.76 | 1,534 |
| 66 | Wholesale General | 22,190 | 16.53 | 82,510 | 61.46 | 29,552 | 22.01 | 134,252 |
| 67 | Retail Ag. Equip. | 277 | 14.74 | 847 | 45.14 | 753 | 40.12 | 1,876 |
| 68 | Retail General | 49,690 | 18.54 | 190,945 | 71.25 | 27,345 | 10.20 | 267,980 |
| F.I.R.E.^{a/} | | | | | | | | |
| 69 | Fin-Ins-R.Est. | 15,388 | 13.01 | 97,585 | 82.53 | 5,270 | 4.46 | 118,244 |
| SERVICES | | | | | | | | |
| 70 | Legal | 922 | 8.63 | 9,347 | 81.32 | 1,156 | 10.06 | 11,495 |
| 71 | Lodging | 1,522 | 21.81 | 4,442 | 63.64 | 1,016 | 14.56 | 6,981 |
| 72 | Personal | 3,458 | 19.79 | 11,768 | 67.35 | 2,248 | 12.87 | 17,474 |
| 73 | Business | 14,134 | 36.54 | 18,243 | 47.16 | 6,308 | 16.31 | 38,685 |
| 74 | All Other | 60,613 | 22.51 | 192,755 | 71.28 | 17,063 | 6.31 | 270,430 |

^{a/} Finance-Insurance-Real Estate

for goods and services produced in Northeast Texas.

Exports: Northeast Texas industries exported a total \$1.5 billion of goods and services in 1967. In terms of trade exports exceeded imports by \$358.4 million. Northeast Texas exported more goods and services to the rest of Texas than it imported. This favorable balance of trade amounted to \$305.5 million in 1967. While the trade balance with Texas was favorable one industry, crude petroleum, accounted for \$371.9 million or 43 percent of the total \$864.3 million of goods and services exported to the rest of Texas in 1967.

Exports to the rest of the United States and Foreign countries were also dominated by single industries. The export by chemical and petroleum products industry accounted for \$196.8 million or 31 percent of the total \$631.7 million of goods and services exported to the United States. Exports by the industrial machinery industry amounted to \$10.9 million or 96 percent of the total \$11.3 million in exports going into foreign countries, Appendix Table 1.

While the balance of trade, exports minus imports, appears favorable it should be pointed out that the federal and state government are spending more money in the region than they receive. This difference is treated as negative savings rather than as imported money, Appendix Table 1. It is realistic to have the federal government spending more than it receives because there are several industries which provide goods and services to the federal government. Also, the ordnance industry alone sold \$213.2 million of military equipment to the federal government in 1967.

Nor is it unrealistic to have state government spending more money in a region than it receives in any one year. The location of state facilities and institutions means more money may come into a region of the state than that region pays out. While it is possible to consider the differences between what the federal and/or state government takes in and what is spent as an import of goods and services in this study deficit spending on a regional basis is considered to be negative savings.

The interdependence coefficients presented in Appendix Table 3 represent the direct and indirect effects on each industry resulting from a one dollar change in final demand. Again using irrigated crops industry as an example, the effect of a one dollar increase in final demand is \$1.0020 on irrigated crops, \$.00002 on other dryland, \$.00001 on range livestock, etc., to \$.00444 which is in effect on all other services industry. The total effect, direct and indirect, of a dollar increase in final demand for the irrigated crops industry is 1.19153 (Appendix Table 3 Row 96). This 1.19153 is called the final demand output multiplier.

The final demand output multiplier is an expedient way for estimating the total effect on all industries as a result of a one dollar increase in output. In Appendix Table 3 the final demand output multiplier for each of the 74 producing industries is shown in row 96 and is obtained by summing each column.

Table 9. Final demand output multipliers associated with each industry in Northeast Texas, 1967.

| Industry Number | Industry Description | Output Multipliers | Rank |
|----------------------|-------------------------|-----------------------|------|
| AGRICULTURE | | | |
| 1 | Irrigated Crops | 1.191 | 47 |
| 2 | Dryland Cotton | 1.253 | 36 |
| 3 | Dryland Crops | 1.191 | 48 |
| 4 | Range Livestock | 1.424 | 18 |
| 5 | Feedlot L.S. | 2.035 | 5 |
| 6 | Dairy | 1.481 | 14 |
| 7 | Poultry & Eggs | 2.060 | 3 |
| 8 | Forestry | 1.070 | 68 |
| 9 | Ag. Supply | 1.188 | 49 |
| 10 | Ginning | 1.515 | 13 |
| 11 | Ag. Services | 1.122 | 60 |
| MINING | | | |
| 12 | Crude Petroleum | 1.181 | 51 |
| 13 | Nat. Gas Liquids | 1.418 | 19 |
| 14 | Oil & Gas Field | 1.102 | 64 |
| CONSTRUCTION | | | |
| 15 | Residential | 1.654 | 9 |
| 16 | Commercial | 1.595 | 10 |
| 17 | Facility | 1.217 | 42 |
| 18 | Repair | 1.565 | 12 |
| MANUFACTURING | | | |
| 19 | Meat Products | 2.037 | 4 |
| 20 | Dairies | 2.270 | 1 |
| 21 | Mills & Feed | 1.285 | 32 |
| 22 | Bakery | 1.094 | 66 |
| 23 | Foods Can-Frozen | 1.225 | 39 |
| 24 | Other Food | 1.193 | 46 |
| 25 | Beverage | 1.162 | 54 |
| 26 | Apparel | 1.029 | 74 |
| 27 | Logging | 1.980 | 6 |
| 28 | Lumber | 1.706 | 7 |
| 29 | Millwork | 1.222 | 40 |
| 30 | Furniture | 1.144 | 57 |
| 31 | Paper Products | 1.120 | 61 |
| 32 | Print & Pub. | 1.587 | 11 |
| 33 | Other Print | 1.143 | 58 |
| 34 | Chem. & Pet. Prod. | 1.128 | 59 |

Table. 9. Continued.

| Industry Number | Industry Description | Output Multipliers | Rank |
|-----------------|----------------------|--------------------|------|
| 35 | Ag. Chemicals | 1.056 | 70 |
| 36 | Glass | 1.365 | 23 |
| 37 | Clay | 1.296 | 30 |
| 38 | Stone | 1.432 | 17 |
| 39 | Cement | 1.242 | 38 |
| 40 | Foundries | 1.146 | 55 |
| 41 | Metal & Fabric | 1.084 | 67 |
| 42 | Plate Work | 1.095 | 65 |
| 43 | Sheet Metal | 1.335 | 27 |
| 44 | Metal Doors | 1.198 | 45 |
| 45 | Other Metal | 1.145 | 56 |
| 46 | Industrial Mach. | 1.219 | 41 |
| 47 | Service Mach. | 1.175 | 52 |
| 48 | Electrical Mach. | 1.210 | 43 |
| 49 | Transp. Mach. | 1.053 | 71 |
| 50 | Scientific Mach. | 1.034 | 73 |
| 51 | Games & Toys | 1.048 | 72 |
| 52 | Other Mfg. | 1.436 | 16 |
| 53 | Ordnance | 1.336 | 26 |
| TRANSPORTATION | | | |
| 54 | Railroads | 1.393 | 21 |
| 55 | Motor Freight | 1.387 | 22 |
| 56 | Pipelines | 1.282 | 34 |
| 57 | Other Transp. | 1.309 | 29 |
| COMMUNICATIONS | | | |
| 58 | Telephone | 1.057 | 69 |
| 59 | Radio & TV | 1.347 | 24 |
| 60 | Other Comm. | 1.117 | 62 |
| UTILITIES | | | |
| 61 | Gas | 2.095 | 2 |
| 62 | Electric | 1.334 | 28 |
| 63 | Water | 1.402 | 20 |
| TRADES | | | |
| 64 | Whsle. Ag. Prod. | 1.285 | 31 |
| 65 | Whsle. L.S. | 1.673 | 8 |
| 66 | Whsle. General | 1.208 | 44 |

Table 9. Continued.

| Industry Numbers | Industry Description | Output Multipliers | Rank |
|------------------------------|----------------------|--------------------|------|
| 67 | Retl. Ag. Equip. | 1.185 | 50 |
| 68 | Retl. General | 1.245 | 37 |
| F.I.R.E.^{a/} | | | |
| 69 | Fin-Ins-R.Est. | 1.164 | 53 |
| SERVICES | | | |
| 70 | Legal | 1.104 | 63 |
| 71 | Lodging | 1.283 | 33 |
| 72 | Personal | 1.274 | 35 |
| 73 | Business | 1.463 | 15 |
| 74 | All Other | 1.344 | 25 |

^{a/} Finance-Insurance-Real Estate

The output multipliers for each of the 74 Northeast Texas industries are presented in Table 9. All, of course, are larger than unity. Dairy products, gas services, poultry and eggs and meat products are the industries with largest output multipliers. Interestingly, some of the larger industries, like crude petroleum, and chemical and petroleum products, have small multipliers. This means that these industries purchase a smaller portion of their intermediate inputs from local industries. Or stated another way, any industry which purchases a large percentage of its inputs from local industries is fully integrated into the economy in terms of purchases and has a large multiplier, such is the case with dairy products, poultry and eggs and meat products industries.

SOME APPLICATION OF THE INPUT-OUTPUT TABLES

A hypothetical, but typical, change in final demand is presented to illustrate impact or multiplier analysis. Assume that the meat products industry in Northeast Texas is able to increase its sales to final demand by one million dollars. What affect will this have on the economy of the region? Which industries will be affected and to what extent? The answers to these questions are readily obtained using the interdependence table for the economy of Northeast Texas (Appendix Table 3).

The answer to the first question (What affect does this have on the economy?) is obtained by using the output multiplier of the meat products industry. The multiplier is 2.03718 and the increase in final demand is one million dollars, so $2.03718 \times \$1,000,000 = \$2,037,180$. Thus the total economic effect of a one million dollar increase in the final demand for meat products is \$2.03 million. Of this \$2.03 million, one million is the original increase in the demand for the output of the meat products industry, and the remaining 1.03 million is an increase in the output of other industries as a result either directly or indirectly of the increase in output of the meat products industry.

The total economic impact has now been estimated but the impact on individual industries has yet to be determined. To determine impact on an industry-by-industry basis, the interdependence coefficients associated with the meat products industry (Appendix Table 3 column 19) are multiplied by one million. The products of this computation are shown in Table 10.

The values shown in Table 10 represent the direct and indirect effect of the increase in the output of the meat products industry. The direct effect is obtained by multiplying the technical coefficients (Appendix Table 2, Column 19) of meat products industry by one million dollars. By subtracting the direct effect from the total direct and indirect effect the indirect effect is obtained.

This same type of analysis can also be done in reverse. Assume that the output of the meat products industry is to be decreased by one million dollars instead of increased. The analysis would proceed in the same manner as outlined for an increase in output but instead of adding, the values are subtracted.

Table 10. Economic impact of a one million dollar increase in final demand for the output of the meat products industry on an industry-by-industry basis.

| Industry Number | Industry Description | Direct and Indirect Coefficient | Total Economic Impact (\$) |
|----------------------|----------------------|---------------------------------|----------------------------|
| AGRICULTURE | | | |
| 1 | Irrigated Crops | .00158 | 1,580 |
| 2 | Dryland Cotton | --- | --- |
| 3 | Dryland Crops | .04296 | 42,960 |
| 4 | Range Livestock | .07916 | 79,160 |
| 5 | Feedlot L.S. | .06106 | 61,060 |
| 6 | Dairy | .00127 | 1,270 |
| 7 | Poultry & Eggs | .35888 | 358,880 |
| 8 | Forestry | .00036 | 360 |
| 9 | Ag. Supply | .01055 | 10,550 |
| 10 | Ginning | --- | --- |
| 11 | Ag. Services | .09611 | 96,110 |
| MINING | | | |
| 12 | Crude Petroleum | .00589 | 5,890 |
| 13 | Nat. Gas Liquids | .00011 | 110 |
| 14 | Oil & Gas Field | .00011 | 110 |
| CONSTRUCTION | | | |
| 15 | Residential | --- | --- |
| 16 | Commercial | --- | --- |
| 17 | Facility | .00002 | 20 |
| 18 | Repair | .01288 | 12,880 |
| MANUFACTURING | | | |
| 19 | Meat Products | 1.00158 | 1,001,580 |
| 20 | Dairies | .00035 | 350 |
| 21 | Mills & Feed | .18492 | 184,920 |
| 22 | Bakery | .00013 | 130 |
| 23 | Foods Can-Frozen | .00024 | 240 |
| 24 | Other Food | .00484 | 4,840 |
| 25 | Beverage | .00254 | 2,540 |
| 26 | Apparel | .00004 | 40 |
| 27 | Logging | .00129 | 1,290 |
| 28 | Lumber | .00567 | 5,670 |
| 29 | Millwork | .03823 | 38,230 |
| 30 | Furniture | .00018 | 180 |
| 31 | Paper Products | .00512 | 5,120 |
| 32 | Print & Pub | .00029 | 290 |
| 33 | Other Print | .00034 | 340 |

Table 10. Continued.

| Industry Number | : Industry Description | : Direct and Indirect Coefficient | : Total Economic Impact (\$) |
|--------------------|------------------------------|--|---------------------------------------|
| 34 | Chem. & Pet. Prod. | .00893 | 8,930 |
| 35 | Ag. Chemicals | .00029 | 290 |
| 36 | Glass | .00028 | 280 |
| 37 | Clay | .00030 | 300 |
| 38 | Stone | .00015 | 150 |
| 39 | Cement | .00072 | 720 |
| 40 | Foundries | .00089 | 890 |
| 41 | Metal & Fabric | .00034 | 340 |
| 42 | Plate Work | .00001 | 10 |
| 43 | Sheet Metal | --- | --- |
| 44 | Metal Doors | --- | --- |
| 45 | Other Metal | .00043 | 430 |
| 46 | Industrial Mach. | .00017 | 170 |
| 47 | Service Mach. | .00007 | 70 |
| 48 | Electrical Mach. | .00011 | 110 |
| 49 | Transp. Mach. | .00006 | 60 |
| 50 | Scientific Mach. | .00002 | 20 |
| 51 | Games & Toys | --- | --- |
| 52 | Other Mfg. | .00024 | 240 |
| 53 | Ordinance | --- | --- |
| TRANSPORTATION | | | |
| 54 | Railroads | .00139 | 1,390 |
| 55 | Motor Freight | .00935 | 9,350 |
| 56 | Pipelines | .00001 | 10 |
| 57 | Other Transp. | .00016 | 160 |
| COMMUNICATIONS | | | |
| 58 | Telephone | .00571 | 5,710 |
| 59 | Radio & TV | .00031 | 310 |
| 60 | Other Comm. | .00002 | 20 |
| UTILITIES | | | |
| 61 | Gas | .00587 | 5,870 |
| 62 | Electric | .01084 | 10,840 |
| 63 | Water | .00274 | 2,740 |
| TRADES | | | |
| 64 | Whsle. Ag. Prod. | --- | --- |
| 65 | Whsle. L.S. | .00009 | 90 |
| 66 | Whsle. General | .01382 | 13,820 |
| 67 | Retl. Ag. Equip. | .00006 | 60 |

Table 10. Continued.

| Industry Number | Industry Description | Direct and Indirect Coefficient | Total Economic Impact (\$) |
|------------------------|----------------------|---------------------------------|----------------------------|
| 68 | Retl. General | .00811 | 8,110 |
| F.I.R.E. ^{a/} | | | |
| 69 | Fin-Ins-R.Est | .03646 | 36,460 |
| SERVICES | | | |
| 70 | Legal | .00054 | 540 |
| 71 | Lodging | .00025 | 250 |
| 72 | Personal | .00023 | 230 |
| 73 | Business | .00504 | 5,040 |
| 73 | All Other | .00651 | 6,510 |

^{a/} Finance-Insurance-Real Estate

Another problem to which input-output analysis can be addressed is the substitution of locally produced goods for imports. Using the whole-sale agricultural products industry (Column and row 64 in Appendix Table 1-3) as an example it is assumed that \$70,346 of services that were formerly imported are now obtained from another firm in the same industry. This is an intraindustry purchase. If it is assumed that the supplying firm no longer sells \$70,346 to firms outside Northeast Texas, then there has been no change in total output - only a substitution of locally produced services for imported services.

With this change, the table of direct requirements and the inter-dependence table are recalculated. From this new interdependence table the output multiplier is calculated to be 2.99 as opposed to the previous 1.28.

This may lead one to think that the economic growth of a region is attainable by reducing the amount of goods and services being imported. This is only partially true. However, the example does indicate that the loss of dollars through imports can and does influence the amount of economic activity in a region.

Although only two or three uses of input-output tables have been discussed there are many other uses and applications which can be made. Input-output tables provide a base upon which it is possible to do some long run and short run forecasting. The short run forecasting is usually the most accurate because it involves a shorter time period and prices, technology and other factors which influence production tend to be more stable in the short run.

In input-output forecasting the idea is to forecast or project what the final demand for each industry will be in the future. Then a new transaction table is projected on the basis of the assumed changes in final demand. A more detailed discussion of forecasting with input-output models is presented in "The Elements of Input-Output Analysis" by William H. Miernyk [3].

The economic effect of a new industry can be estimated if it is possible to estimate where and from whom the inputs will be obtained and where sales will be made. Such an application of input-output to this type of problem has been done by William H. Miernyk and Kenneth L. Shellhammer in "Simulating Regional Economic Development With an Input-Output Model" [6].

In addition to the output multiplier, it is possible to develop other multipliers which relate to income, employment and resource use. Almost any of the references listed in the References portion of this report would be a source on the development of income multipliers. W. E. Martin and H. O. Carter in "A California Interindustry Analysis Emphasizing Agriculture, Part I and II" [7], have a good discussion on the development of resource multipliers.

The individual establishment can utilize forecasts of future demand for the output of the industry in which it is included merely by determining its share of the market for that industry. Or the firm may include itself as a row in the model. This requires only estimates of the allocation of its sales among the various industries constituting the model.

Then it can enter its sales to each industry as a percentage of the total input purchases of that industry; these values then correspond to the direct coefficients of the industry already included in the model. In order to estimate the indirect effects the firm needs to multiply the direct coefficients in its row by the corresponding column values for each column in the regional interdependence table and obtain a column sum. This allows the firm to determine the total impact of a one dollar increase in final demand for each industry in the model.

SUMMARY

The purpose of this study was to develop a mathematical, input-output model of the economy of Northeast Texas. The model was to be composed of three basic tables, the transaction table, the direct requirements table, and the interdependence table. These tables have been developed and are presented in the appendix.

The transaction table is an economic picture of the economy of Northeast Texas as it existed in 1967. By itself this table is a portrayal of the intricate flow of goods and services binding industries together into a complex network which satisfies the wants of the consumer.

The direct requirements table is based directly on the transaction table and is obtained by dividing each entry in a column by the sum of the column. The coefficients obtained in this manner show the direct requirements for inputs from each industry to produce one dollar's worth of output.

The third table, the interdependence table, is obtained through the use of matrix algebra. The data in the direct requirements table is a system of equations which when solved, using matrix inversion, shows the interdependence that exists between the various industries which make up the economy. The interdependence coefficients datum in the table, reflects the amount of output in a given industry necessary to supply the goods and services as demanded by those who consume the products as well as the indirect effects on output in this particular industry in relation to the final demand for output of all industries in the regional economy.

The purpose and objectives of this study have been achieved and the input-output model is presented in Appendix Tables 1, 2 and 3. Appendix Tables 1 and 3 are the most interesting since the data shown in the transaction table provides some basic insight into the economy of Northeast Texas and the data shown in the interdependence tables provides information on the interrelationships between the various industries which comprise the economy.

The Economy of Northeast Texas:

During 1967 the economy of Northeast Texas recorded total sales of goods and services valued in producers' prices at \$5.58 billion. Of this total \$1.59 billion was paid in wages, residual income amounted to \$38.8 million; taxes to federal, state and local government came to \$330.96 million; and sales to industries, households, governments and exports accounted for the remaining \$3.54 billion.

Gross Regional Product (GRP) was estimated to be \$2.04 billion. Households were the largest contributor to GRP adding \$775.4 million to this total. Following households were crude petroleum, all other services, general retail and chemical and petroleum products. The poultry and egg industry did not make a positive contribution to GRP in 1967. This industry suffered a \$7.1 million loss in 1967 which resulted in a -\$2.8 million in value created (other components of value created i.e. depre-

ciation, wages and taxes offset \$4.3 million of this \$7.1 million loss in residual income). The only other industries which showed a negative value created were the federal and local government.

The federal government spent more money in Northeast Texas than it received in tax revenue. This difference was treated as negative residual income in the transaction table.

Local government had a negative value created because tax payments to support schools were recorded as being paid to local government. However, in the transaction table educational services were produced by an industry called all other services and consumed or purchased by households. This resulted in a need to reduce local government tax receipts by an amount equal to that required to operate the school systems. Thus the interaction between local government and federal government was a -\$112.0 million in 1967. This large negative value caused local government to show a negative value created of \$94.4 million and negative purchases of \$74.96 million, Appendix Table 1. In terms of the model it would have been better if taxes paid of schools had been separated from other local taxes. However, this breakdown on taxes was not maintained by most of the establishments interviewed in that they paid local taxes with no differentiation as to where the tax went locally.

Total exports exceeded total imports by \$358.4 million in 1967. The largest exporting industry to markets in Texas is the crude petroleum industry which exported \$371.9 million of oil. The chemical and petroleum products industry exported the largest dollar volume to markets in the United States exporting goods and services valued at \$196.8 million. The industrial machinery industry exported \$10.9 million to foreign countries to rank highest in sales to this market by Northeast Texas industries.

The final demand output multipliers as shown in Appendix Table 3, are obtained by summing each column. These multipliers show the direct and indirect effect on the total economy given a one dollar change in final demand. Those industries with the largest final demand output multipliers are; dairies, gas services, poultry and eggs, meat products and feedlot livestock. The output multiplier associated with each of these industries respectively are; 2.270, 2.095, 2.060, 2.037 and 2.035.

The final demand output multiplier indicates how much total output of the economy will be increased (or decreased) if the final demand for the output of an industry is changed by one dollar. If the output of the dairy industry is increased by one dollar the total effect on the economy will be \$2.27. Of this \$2.27, one dollar is the original increase in final demand and the remaining \$1.27 is the increased production required from all industries for the dairy industry to produce an additional dollar of output. The final demand output multipliers for the Northeast Texas industries ranged from a high of 2.270 for the dairy industry to a low of 1.029 for the apparel industry.

The final demand output multiplier is an expedient way for estimating the total effect on all industries. However, if the impact on each industry in the economy is desired all that needs to be done is multiply

each element in the appropriate column in the interdependence table by the increase in final demand. The resulting values indicate the economic impact of an increase in the final demand for the goods and services of that industry on every other industry in the economy on an industry by industry basis.

The transaction, direct, and interdependence tables presented in Appendix Tables 1-3 can be used to evaluate changes in economic activity in the Northeast Texas region. They can also be used to evaluate the impact of changes on regional output, including associated benefits and costs throughout the economy.

The input-output model can be used by businessmen and government decision-makers concerning the economy of Northeast Texas. The last section of this report dealt with additional uses of the input-output model. The actual application of the input-output model is broad in scope.

It can be modified for smaller regions within the Northeast Texas region to fit a specific need of a smaller region. The model can also be used to evaluate and formulate regional programs of action and to forecast or predict future regional events. Although the use of input-output in prediction may be limited due to the basic assumption of input-output analysis, it does provide a forecast that is consistent. By consistence the predicted event can occur without shortages or bottlenecks developing in the economic system due to oversight and unknown interrelationships between industries. The use of the model to forecast short time periods are more accurate than longer time periods because other factors which influence production tend to be more stable in the short run.

LITERATURE CITED

1. Curtis L. Godfrey and Others, Resource Areas of Texas, Texas Agricultural Experiment Station B-1071, Texas A&M University.
2. Planning Regions for the State of Texas, Division of Planning Coordination, Office of the Governor, Austin, Texas, December, 1968.
3. William H. Miernyk, The Elements of Input-Output Analysis, Random House, New York, New York, 1967.
4. Standard Industrial Classification Manual 1967, Superintendent of Documents, U.S. Government Printing Office, 1967.
5. 1969 Directory of Texas Manufacturers, Bureau of Business Research, University of Texas, Austin, Texas, 1969.
6. William H. Miernyk and Kenneth L. Shellhammer, Simulating Regional Economic Development With an Input-Output Model, Regional Research Institute, West Virginia University, Morgantown, West Virginia, 1968.
7. William E. Martin and H. O. Carter, A California Interindustry Analysis Emphasizing Agriculture Part I and II, Giannini Foundation Research Report 250, February, 1968.
8. H. B. Chenery and P. G. Clark, Interindustry Economics, John Wiley and Sons, New York, New York, 1959.
9. Herbert H. Grubb and Others, Input-Output Sectors of the Texas State Model, Division of Planning Coordination, Office of the Governor, Austin, Texas, September, 1969.

REFERENCES

- William H. Miernyk, The Elements of Input-Output Analysis, Random House New York, New York, 1967.
- Philip J. Bourque et al., The Washington Economy: An Input-Output Study, Graduate School of Business Administration, University of Washington, Seattle, Washington, 1967.
- Theodore W. Roesler et al., The Economic Impact of Irrigated Agriculture On the Economy of Nebraska, Bureau of Business Research, University of Nebraska, Lincoln, Nebraska, 1968.
- W. E. Martin and Harold O. Carter, A California Interindustry Analysis Emphasizing Agriculture, Part I and II, California Agricultural Experiment Station Giannini Foundation Research Report No. 250, 1962.
- M. Jarvis Emerson et al., The Interindustry Structure of the Kansas Economy, Office of Economic Analysis and Kansas Department of Economic Development Planning Division, Report No. 12, 1969.
- Nelson L. Bills and Alfred L. Barr, An Input-Output Analysis of the Upper South Branch Valley of West Virginia, West Virginia Agricultural Experiment Station, West Virginia University, Morgantown, West Virginia, 1968.

APPENDIX

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

Appendix Table 1

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----------------|-------|-------|-------|---------|--------|--------|---------|-------|------|
| 1.IRR-CROPS | 18.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 |
| 2.DRYLAND COT | 0.0 | 132.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3.OTHER DRYLND | 0.0 | 0.0 | 38.5 | 12934.7 | 576.7 | 2414.6 | 0.0 | 0.0 | 0.0 |
| 4.RANGE L.S. | 0.0 | 0.0 | 0.0 | 171.3 | 2116.2 | 0.0 | 45.6 | 0.0 | 0.0 |
| 5.FEEDLOT L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 84.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.DAIRY | 0.0 | 0.0 | 0.0 | 951.7 | 0.0 | 290.1 | 0.0 | 0.0 | 0.0 |
| 7.POULTRY EGGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1156.9 | 0.0 | 0.0 |
| 8.FORESTRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.AG SUPPLY | 27.0 | 43.8 | 291.5 | 336.8 | 7.4 | 293.5 | 486.7 | 0.0 | 0.0 |
| 10.GINNING | 0.0 | 405.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.AG SERVICES | 42.5 | 100.0 | 46.1 | 715.0 | 13.4 | 970.2 | 2061.7 | 0.0 | 0.0 |
| 12.CRUDE PETRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13.NAT GAS LIQ | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14.OIL GAS SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15.CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16.CONST COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.CONST FACIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18.CONST REPAIR | 73.1 | 50.0 | 235.5 | 750.0 | 1.0 | 371.1 | 449.8 | 0.0 | 0.0 |
| 19.MEAT PROD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20.DAIRIES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21.MILLS | 0.0 | 0.0 | 0.0 | 1242.4 | 280.5 | 4417.6 | 10002.4 | 0.0 | 0.0 |
| 22.BAKERY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23.FOOD CAN FZN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24.OTHER FOOD | 0.0 | 0.0 | 0.0 | 693.1 | 193.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25.BEVERAGE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26.APPAREL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.LOGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28.LUMBER | 0.0 | 0.2 | 0.5 | 437.8 | 0.5 | 1.3 | 10.9 | 0.0 | 0.0 |
| 29.MILL WORK | 5.2 | 0.1 | 618.1 | 178.5 | 0.7 | 48.5 | 19.7 | 0.0 | 0.0 |
| 30.FURNITURE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.4 | 0.0 |
| 31.PAPER PROD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 240.3 | 0.8 | 1.0 |
| 32.PRINT PUB | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 33.OTHER PRINT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 8.5 |
| 34.CHEM PET PRO | 189.0 | 306.6 | 864.9 | 1240.6 | 3.2 | 604.4 | 42.5 | 48.5 | 24.5 |
| 35.AG CHEM | 7.1 | 12.2 | 33.8 | 55.4 | 0.0 | 18.0 | 0.3 | 0.2 | 0.0 |
| 36.GLASS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.CLAY | 0.0 | 0.4 | 1.3 | 63.8 | 0.0 | 3.4 | 2.4 | 0.0 | 0.0 |
| 38.STONE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39.CEMENT | 0.8 | 0.7 | 2.3 | 106.4 | 0.1 | 5.6 | 4.0 | 0.0 | 0.0 |
| 40.FOUNDRIES | 3.1 | 4.6 | 29.7 | 40.6 | 0.0 | 5.7 | 3.7 | 0.3 | 0.2 |
| 41.FABRICAT MET | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.PLATE WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 43.SHEET METAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 44.METAL DOOR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45.OTHER METAL | 0.0 | 3.7 | 23.8 | 32.5 | 0.0 | 4.6 | 2.9 | 2.5 | 0.2 |
| 46.INDUST MACH | 0.0 | 0.0 | 4.0 | 7.5 | 0.0 | 0.5 | 0.0 | 91.1 | 0.0 |
| 47.SERVIC MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 48.ELECT MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 49.TRANS MACH | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 125.5 | 0.0 |
| 50.SCIENC-EQUIP | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 |
| 51.GAME TOY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.OTHER MFG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.1 | 0.0 |
| 53.ORDNANCE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 54.RAIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 6.2 |
| 55.MOTOR FREIGT | 0.0 | 0.0 | 0.0 | 40.0 | 0.0 | 1900.5 | 31.1 | 8.0 | 7.1 |

| | | | | | | | | | |
|------------------|--------|--------|---------|---------|--------|---------|---------|--------|--------|
| 56.PIPELINE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 |
| 57.OTHER TRANS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.4 | 0.0 |
| 58.T AND T | 21.0 | 10.0 | 71.7 | 210.0 | 1.0 | 104.0 | 86.3 | 0.0 | 18.3 |
| 59.RADIO TV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60.OTHER COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 61.GAS | 37.0 | 0.0 | 0.0 | 0.0 | 6.2 | 50.0 | 137.5 | 0.3 | 7.7 |
| 62.ELECTRICITY | 36.0 | 10.0 | 71.7 | 210.0 | 6.2 | 140.0 | 254.0 | 0.0 | 54.8 |
| 63.WATER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.8 |
| 64.WHSLE AG PRO | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65.WHSLE LS | 0.0 | 0.0 | 0.0 | 3.6 | 2.5 | 0.0 | 1.3 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 108.8 | 155.0 | 849.1 | 1516.4 | 19.8 | 480.8 | 383.9 | 8.1 | 14.9 |
| 67.RETL AG EQUIP | 4.6 | 7.2 | 16.9 | 11.1 | 0.1 | 2.0 | 1.2 | 0.0 | 0.0 |
| 68.RETL GENERAL | 64.9 | 61.1 | 228.2 | 768.6 | 0.8 | 389.6 | 196.4 | 5.0 | 21.4 |
| 69.FIN-INS-REST | 360.3 | 145.0 | 1029.2 | 4060.0 | 6.9 | 1370.3 | 952.3 | 6.4 | 71.0 |
| 70.LEGAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 |
| 71.LDDGING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.PERSONAL SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 73.BUSINESS SER | 5.0 | 0.0 | 20.5 | 50.0 | 1.0 | 0.0 | 22.1 | 1.3 | 13.5 |
| 74.ALL OTHR SER | 21.0 | 0.0 | 0.0 | 0.0 | 0.0 | 140.0 | 11.0 | 0.0 | 11.2 |
| INT. PURCHASES | 1028.9 | 1447.7 | 4477.3 | 26827.8 | 3322.8 | 14026.5 | 16617.1 | 344.3 | 281.9 |
| 75.DEPRECIATION | 667.6 | 364.0 | 1678.4 | 9780.0 | 63.1 | 2730.7 | 1461.8 | 0.0 | 201.2 |
| 76.WAGES | 3254.3 | 980.0 | 5294.4 | 7410.0 | 83.8 | 3862.0 | 1292.1 | 590.0 | 949.4 |
| 77.RESIDUAL INC | -248.9 | 2606.0 | 7271.8 | 5535.5 | -70.3 | 3936.0 | -7123.2 | 994.8 | 192.5 |
| 78.FED GVT | 276.2 | 40.0 | 409.6 | 500.0 | 5.2 | 269.1 | 50.2 | 21.9 | 56.9 |
| 79.STATE GVT | 5.0 | 0.0 | 20.5 | 50.0 | 0.0 | 27.0 | 23.1 | 179.5 | 3.5 |
| 80.LOCAL GVT | 359.3 | 230.0 | 1136.7 | 3640.0 | 2.1 | 1780.4 | 1468.8 | 3411.8 | 25.1 |
| VALUE CREATED | 4313.4 | 4220.0 | 15811.4 | 26915.5 | 83.8 | 12605.1 | -2827.2 | 5198.0 | 1428.6 |
| 81.TEXAS IMPORT | 693.7 | 705.0 | 3364.3 | 15583.7 | 48.7 | 5590.1 | 1706.2 | 152.0 | 164.8 |
| 82.IMPORTS USA | 763.9 | 1127.3 | 5146.9 | 8373.0 | 944.7 | 4678.3 | 5183.9 | 14.2 | 37.6 |
| 83.IMP FOREIGN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL IMPORTS | 1457.6 | 1832.3 | 8511.3 | 23956.7 | 993.4 | 10268.4 | 6890.0 | 166.2 | 202.4 |
| 84.TOTAL PURCHS | 6800.0 | 7500.0 | 28800.0 | 77699.8 | 4400.0 | 36899.9 | 20679.9 | 5708.6 | 1913.0 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|-----------------|------|------|---------|---------|-------|--------|--------|--------|--------|
| 1.IRR-CROPS | 0.2 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.DRYLAND COT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3.OTHER DRYLNO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.RANGE L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5.FEEDLOT L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.DAIRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 |
| 7.POULTRY EGGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.FORESTRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.AG SUPPLY | 0.0 | 87.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10.GINNING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.AG SERVICES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.CRUDE PETRO | 0.0 | 0.0 | 26349.8 | 10950.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13.NAT GAS LIQ | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.8 | 0.2 | 31.9 | 4.1 |
| 14.OIL GAS SER | 0.0 | 0.0 | 8916.6 | 0.0 | 292.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15.CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16.CONST COMM | 0.0 | 0.0 | 42.2 | 0.0 | 0.0 | 0.0 | 47.3 | 0.0 | 2.5 |
| 17.CONST FACIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 187.1 | 0.0 | 21.6 |
| 18.CONST REPAIR | 47.3 | 0.0 | 1689.4 | 0.0 | 17.5 | 21.8 | 104.1 | 8.1 | 12.6 |
| 19.MEAT PROD | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 |
| 20.DAIRIES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21.MILLS | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 |
| 22.BAKERY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23.FOOD CAN FZN | 0.0 | 0.0 | 0.7 | 0.0 | 0.1 | 0.0 | 13.8 | 0.0 | 0.0 |
| 24.OTHER FOOD | 0.0 | 0.0 | 0.7 | 0.0 | 0.1 | 0.0 | 4.8 | 0.0 | 0.0 |
| 25.BEVERAGE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26.APPAREL | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.7 | 70.6 | 3.7 | 6.0 |
| 27.LOGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28.LUMBER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5879.7 | 2244.8 | 0.0 | 1456.0 |
| 29.MILL WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 362.4 | 1140.7 | 0.0 | 1355.3 |
| 30.FURNITURE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | 0.0 | 189.3 |
| 31.PAPER PROD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 74.9 | 94.1 | 26.1 | 15.4 |
| 32.PRINT PUB | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 33.OTHER PRINT | 0.0 | 0.0 | 31.7 | 0.0 | 1.6 | 0.0 | 1.6 | 0.0 | 0.0 |
| 34.CHEM PET PRO | 4.7 | 45.0 | 6296.4 | 126.1 | 469.9 | 741.3 | 2014.7 | 863.7 | 601.2 |
| 35.AG CHEM | 0.0 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36.GLASS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.CLAY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2722.2 | 1190.8 | 485.7 | 229.5 |
| 38.STONE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39.CEMENT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2144.8 | 132.2 | 663.5 |
| 40.FOUNDRIES | 0.2 | 2.5 | 14.9 | 433.4 | 0.2 | 1144.7 | 2527.1 | 3228.0 | 717.6 |
| 41.FABRICAT MET | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 534.5 | 465.0 | 459.9 | 412.1 |
| 42.PLATE WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 0.2 | 17.5 |
| 43.SHEET METAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 68.5 | 405.4 | 356.1 | 3.0 |
| 44.METAL DOOR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 87.1 | 0.0 | 4.8 |
| 45.OTHER METAL | 0.1 | 0.0 | 11.9 | 1140.6 | 0.2 | 696.7 | 3018.6 | 927.8 | 313.1 |
| 46.INDUST MACH | 0.0 | 0.0 | 0.0 | 3375.9 | 4.7 | 364.1 | 964.1 | 452.3 | 144.9 |
| 47.SERVIC MACH | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 0.0 | 33.2 | 24.8 | 89.5 |
| 48.ELECT MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 555.9 | 221.7 | 0.0 | 123.6 |
| 49.TRANS MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 167.9 | 104.1 | 908.1 | 23.2 |
| 50.SCIENC-EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 224.0 | 0.0 | 5.1 |
| 51.GAME TOY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.OTHER MFG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 190.3 | 261.1 | 52.4 | 2.1 |
| 53.ORDNANCE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 54.RAIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 97.1 | 1.3 |
| 55.MOTOR FREIGT | 11.9 | 2.5 | 6.3 | 0.0 | 75.7 | 8.5 | 51.3 | 174.5 | 58.7 |

| | | | | | | | | | | |
|------------------|-------|--------|----------|---------|---------|---------|---------|---------|---------|---------|
| 56.PIPELINE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.OTHER TRANS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 93.3 | 0.0 | 84.5 | 0.0 | 0.0 |
| 58.T AND T | 2.7 | 52.5 | 1678.3 | 281.3 | 104.6 | 99.6 | 161.7 | 448.8 | 59.6 | 59.6 |
| 59.RADIO TV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.1 | 33.1 | 0.0 | 0.0 |
| 60.OTHER COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 16.5 | 26.1 | 1.3 | 1.3 |
| 61.GAS | 3.8 | 10.0 | 69.7 | 0.0 | 50.1 | 45.6 | 19.9 | 53.4 | 8.7 | 8.7 |
| 62.ELECTRICITY | 26.4 | 50.0 | 1102.0 | 0.0 | 67.4 | 62.6 | 41.7 | 92.8 | 24.5 | 24.5 |
| 63.WATER | 0.1 | 27.5 | 63.3 | 0.0 | 31.6 | 710.0 | 19.8 | 55.7 | 9.1 | 9.1 |
| 64.WHSLE AG PRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65.WHSLE LS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 5.7 | 52.5 | 8277.9 | 229.1 | 375.7 | 829.3 | 319.4 | 958.1 | 37.9 | 37.9 |
| 67.RETL AG EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 68.RETL GENERAL | 2.6 | 67.5 | 478.0 | 1836.2 | 39.3 | 319.8 | 211.1 | 1540.5 | 118.0 | 118.0 |
| 69.FIN-INS-REST | 27.0 | 147.4 | 2831.0 | 72.9 | 668.8 | 1562.6 | 1825.1 | 1282.0 | 242.2 | 242.2 |
| 70.LEGAL | 0.0 | 0.0 | 656.5 | 0.0 | 13.2 | 198.2 | 48.1 | 133.8 | 25.1 | 25.1 |
| 71.LODGING | 0.0 | 0.0 | 232.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.PERSONAL SER | 0.0 | 0.0 | 0.0 | 0.0 | 30.1 | 5.6 | 2.4 | 4.6 | 3.7 | 3.7 |
| 73.BUSINESS SER | 9.7 | 50.0 | 9717.5 | 3063.3 | 35.6 | 232.4 | 2189.0 | 3678.4 | 51.2 | 51.2 |
| 74.ALL OTHR SER | 7.0 | 154.9 | 578.5 | 0.0 | 116.1 | 183.2 | 652.0 | 438.6 | 62.8 | 62.8 |
| INT.PURCHASES | 149.5 | 764.6 | 69046.0 | 21509.8 | 2495.7 | 17799.8 | 23228.8 | 16978.5 | 7123.2 | 7123.2 |
| 75.DEPRECIATION | 74.7 | 247.4 | 147586.8 | 10419.6 | 2380.9 | 0.0 | 633.6 | 1462.9 | 391.7 | 391.7 |
| 76.WAGES | 136.0 | 3180.7 | 72018.9 | 14983.3 | 10710.4 | 14930.0 | 19227.0 | 1185.8 | 6831.1 | 6831.1 |
| 77.RESIDUAL INC | 0.0 | 1366.7 | 53713.4 | 6512.2 | 1366.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 78.FED GVT | 8.1 | 144.9 | 25259.6 | 489.7 | 584.3 | 422.7 | 2378.6 | 1124.4 | 310.0 | 310.0 |
| 79.STATE GVT | 2.5 | 35.0 | 16107.9 | 0.0 | 512.3 | 85.7 | 275.7 | 378.6 | 81.3 | 81.3 |
| 80.LOCAL GVT | 5.2 | 42.5 | 2873.2 | 31.3 | 73.4 | 15.4 | 62.8 | 29.8 | 47.7 | 47.7 |
| VALUE CREATED | 226.5 | 5017.1 | 317559.6 | 32436.1 | 15628.0 | 15453.9 | 22577.7 | 4181.5 | 7661.8 | 7661.8 |
| 81.TEXAS IMPORT | 21.4 | 1559.1 | 63333.6 | 4599.0 | 7229.2 | 1046.1 | 1942.9 | 29006.8 | 327.8 | 327.8 |
| 82.IMPORTS USA | 7.6 | 537.2 | 20294.8 | 4607.1 | 4647.1 | 3561.1 | 2339.6 | 47731.1 | 1248.1 | 1248.1 |
| 83.IMP FOREIGN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 142.7 | 142.7 |
| TOTAL IMPORTS | 29.0 | 2096.3 | 83628.3 | 9206.0 | 11876.3 | 4607.2 | 4286.5 | 76737.9 | 1718.6 | 1718.6 |
| 84.TOTAL PURCHS | 405.0 | 7878.0 | 470233.9 | 63151.9 | 30000.0 | 37860.9 | 50092.9 | 97897.9 | 16503.5 | 16503.5 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|------------------|---------|---------|--------|-------|--------|--------|-------|-------|--------|
| 1.IRR-CROPS | 3.2 | 1.6 | 190.5 | 0.4 | 429.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.DRYLAND COT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3.OTHER DRYLND | 0.0 | 0.0 | 2775.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.RANGE L.S. | 2807.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5.FEEDLOT L.S. | 3442.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.DAIRY | 0.0 | 17669.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.POULTRY EGGS | 19476.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.FORESTRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1267.8 |
| 9.AG SUPPLY | 0.0 | 0.0 | 13.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10.GINNING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.AG SERVICES | 3405.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.CRUDE PETRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13.NAT GAS LIQ | 1.3 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 |
| 14.OIL GAS SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15.CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16.CONST COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.CONST FACIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18.CONST REPAIR | 180.9 | 0.0 | 0.0 | 56.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19.MEAT PROD | 77.9 | 0.0 | 0.0 | 0.0 | 39.7 | 6.6 | 0.0 | 0.0 | 0.0 |
| 20.DAIRIES | 0.0 | 192.2 | 0.0 | 0.0 | 0.0 | 428.9 | 0.0 | 0.0 | 0.0 |
| 21.MILLS | 0.4 | 0.0 | 771.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.BAKERY | 0.0 | 0.0 | 0.0 | 95.7 | 0.0 | 37.0 | 0.0 | 0.0 | 0.0 |
| 23.FOOD CAN FZN | 0.6 | 0.0 | 0.0 | 6.6 | 0.0 | 8.8 | 0.0 | 0.0 | 0.0 |
| 24.OTHER FOOD | 65.9 | 0.0 | 34.7 | 0.2 | 0.8 | 0.4 | 0.0 | 0.0 | 0.0 |
| 25.BEVERAGE | 0.0 | 0.0 | 320.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26.APPAREL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.LOGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1128.8 |
| 28.LUMBER | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| 29.MILL WORK | 2051.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30.FURNITURE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31.PAPER PROD | 39.1 | 0.0 | 0.0 | 6.4 | 2999.1 | 2.6 | 0.0 | 12.2 | 0.0 |
| 32.PRINT PUB | 1.9 | 1.3 | 6.2 | 6.6 | 0.0 | 0.0 | 0.0 | 8.1 | 0.7 |
| 33.OTHER PRINT | 1.9 | 0.0 | 0.8 | 0.0 | 7.9 | 0.0 | 0.0 | 1.0 | 0.0 |
| 34.CHEM PET PRO | 16.2 | 14.4 | 121.1 | 118.9 | 512.7 | 277.4 | 330.1 | 8.3 | 45.6 |
| 35.AG CHEM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36.GLASS | 0.0 | 0.0 | 0.0 | 0.0 | 47.6 | 1350.1 | 0.0 | 0.0 | 0.0 |
| 37.CLAY | 0.4 | 0.3 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.0 |
| 38.STONE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39.CEMENT | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 1.3 | 5.2 | 0.3 | 0.0 |
| 40.FOUNDRIES | 1.1 | 0.5 | 0.0 | 0.2 | 0.0 | 0.0 | 204.3 | 0.8 | 0.0 |
| 41.FABRICAT MET | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.PLATE WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 43.SHEET METAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 44.METAL DOOR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45.OTHER METAL | 0.9 | 0.5 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| 46.INDUST MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.SERVIC MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 48.ELECT MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 49.TRANS MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50.SCIENC-EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 51.GAME TOY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.OTHER MFG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 53.ORDNANCE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 54.RAIL | 0.0 | 0.0 | 52.4 | 0.0 | 10.3 | 138.7 | 0.0 | 1.6 | 0.0 |
| 55.MOTOR FRE IGT | 290.0 | 7.3 | 341.6 | 53.7 | 3021.3 | 4.8 | 36.7 | 345.8 | 0.0 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 56.PIPELINE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.OTHER TRANS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 58.T AND T | 61.5 | 18.3 | 58.6 | 29.8 | 153.2 | 60.3 | 172.9 | 88.6 | 14.7 |
| 59.RADIO TV | 3.2 | 0.8 | 15.4 | 4.6 | 0.0 | 0.0 | 319.6 | 0.0 | 0.0 |
| 60.OTHER COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 251.5 | 0.0 | 0.0 |
| 61.GAS | 56.1 | 18.8 | 16.2 | 21.6 | 114.3 | 31.3 | 68.1 | 19.0 | 0.0 |
| 62.ELECTRICITY | 136.9 | 45.0 | 146.5 | 59.7 | 260.3 | 84.5 | 199.1 | 132.5 | 0.0 |
| 63.WATER | 104.1 | 10.2 | 7.7 | 6.0 | 37.3 | 15.4 | 188.6 | 17.9 | 0.0 |
| 64.WHSLE AG PRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65.WHSLE LS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 79.2 | 16.0 | 45.5 | 88.5 | 323.0 | 84.5 | 188.6 | 20.8 | 25.5 |
| 67.RETL AG EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 68.RETL GENERAL | 70.8 | 16.7 | 54.7 | 15.5 | 4.0 | 12.8 | 256.7 | 5.2 | 39.5 |
| 69.FIN-INS-REST | 219.4 | 36.3 | 292.2 | 103.6 | 1224.6 | 248.8 | 1053.2 | 307.6 | 102.8 |
| 70.LEGAL | 2.6 | 0.0 | 3.1 | 5.8 | 30.2 | 10.6 | 0.0 | 0.0 | 2.5 |
| 71.LODGING | 0.6 | 1.3 | 19.3 | 0.0 | 15.1 | 11.0 | 136.2 | 0.0 | 0.0 |
| 72.PERSONAL SER | 10.4 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 73.4 | 0.0 | 0.0 |
| 73.BUSINESS SER | 87.7 | 5.5 | 78.6 | 9.9 | 1417.4 | 14.5 | 0.0 | 34.3 | 397.7 |
| 74.ALL OTHR SER | 112.5 | 2.9 | 122.6 | 64.9 | 339.7 | 216.2 | 1226.1 | 165.5 | 21.5 |
| INT. PURCHASES | 32810.2 | 18059.7 | 5489.2 | 758.6 | 10987.7 | 3047.6 | 4715.7 | 1170.0 | 3047.3 |
| 75.DEPRECIATION | 286.3 | 135.7 | 343.9 | 340.0 | 480.1 | 258.0 | 1032.2 | 292.8 | 194.6 |
| 76.WAGES | 5184.9 | 608.0 | 1851.3 | 3857.0 | 6510.1 | 2393.3 | 9908.2 | 14962.9 | 690.0 |
| 77.RESIDUAL INC | 3377.7 | 454.2 | 764.1 | 155.4 | 6990.2 | 967.9 | 503.0 | 3111.0 | 72.8 |
| 78.FED GVT | 652.7 | 75.0 | 178.9 | 301.5 | 1373.0 | 408.2 | 482.0 | 719.0 | 54.9 |
| 79.STATE GVT | 55.3 | 31.1 | 25.4 | 22.4 | 1013.5 | 112.3 | 125.8 | 84.9 | 35.7 |
| 80.LOCAL GVT | 21.4 | 11.0 | 23.1 | 38.8 | 69.8 | 8.4 | 99.6 | 44.9 | 2.7 |
| VALUE CREATED | 9578.2 | 1315.0 | 3186.8 | 4715.1 | 16436.7 | 4148.1 | 12150.8 | 19215.6 | 1050.6 |
| 81.TEXAS IMPORT | 4339.8 | 521.7 | 8227.3 | 3541.8 | 8748.1 | 4137.5 | 10495.0 | 501.9 | 101.9 |
| 82.IMPORTS USA | 10849.2 | 1264.3 | 6819.3 | 1306.3 | 26407.0 | 11711.5 | 9064.6 | 30405.4 | 370.2 |
| 83.IMP FOREIGN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 393.0 | 21.8 | 0.0 |
| TOTAL IMPORTS | 15189.0 | 1786.0 | 15046.6 | 4848.1 | 35155.1 | 15849.0 | 19952.7 | 30929.1 | 472.1 |
| 84.TOTAL PURCHS | 57577.4 | 21160.7 | 23722.5 | 10321.8 | 62579.5 | 23044.7 | 36819.1 | 51314.8 | 4570.0 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|-----------------|--------|--------|-------|-------|-------|------|---------|------|--------|
| 1.IRR-CROPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.DRYLAND COT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3.OTHER DRYLND | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 |
| 4.RANGE L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5.FEEDLOT L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.DAIRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.POULTRY EGGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.FORESTRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.AG SUPPLY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10.GINNING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.AG SERVICES | 200.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.CRUDE PETRO | 0.0 | 0.0 | 164.4 | 0.0 | 0.0 | 0.0 | 10052.4 | 0.0 | 0.0 |
| 13.NAT GAS LIQ | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2753.0 | 0.0 | 0.0 |
| 14.OIL GAS SER | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15.CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16.CONST COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.CONST FACIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 89.4 |
| 18.CONST REPAIR | 0.0 | 0.0 | 0.0 | 11.5 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 |
| 19.MEAT PROD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20.DAIRIES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21.MILLS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.BAKERY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23.FOOD CAN FZN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24.OTHER FOOD | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25.BEVERAGE | 0.0 | 0.0 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26.APPAREL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 |
| 27.LOGS | 2536.3 | 72.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28.LUMBER | 2408.4 | 2544.3 | 44.5 | 211.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29.MILL WORK | 0.0 | 0.0 | 247.7 | 0.0 | 0.0 | 0.0 | 167.4 | 0.0 | 0.0 |
| 30.FURNITURE | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31.PAPER PROD | 0.0 | 32.3 | 0.0 | 19.5 | 0.0 | 81.4 | 235.1 | 0.0 | 1989.2 |
| 32.PRINT PUB | 3.3 | 4.5 | 0.6 | 0.0 | 4.8 | 1.6 | 9.0 | 0.0 | 0.0 |
| 33.OTHER PRINT | 0.0 | 51.0 | 14.5 | 0.0 | 273.4 | 59.4 | 5.8 | 0.0 | 0.0 |
| 34.CHEM PET PRO | 69.4 | 66.4 | 11.5 | 95.7 | 69.2 | 8.1 | 21912.1 | 5.6 | 312.4 |
| 35.AG CHEM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36.GLASS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.CLAY | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 38.STONE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39.CEMENT | 0.8 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| 40.FOUNDRIES | 2.5 | 1.0 | 0.9 | 0.2 | 0.0 | 17.9 | 11.9 | 0.0 | 5.7 |
| 41.FABRICAT MET | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.PLATE WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 43.SHEET METAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 44.METAL DOOR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45.OTHER METAL | 2.5 | 0.7 | 0.6 | 0.0 | 0.0 | 14.7 | 72.0 | 0.0 | 4.4 |
| 46.INDUST MACH | 0.0 | 12.4 | 14.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.SERVIC MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 48.ELECT MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 49.TRANS MACH | 0.0 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50.SCIENC-EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 51.GAME TOY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.OTHER MFG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 63.0 | 0.0 | 0.0 |
| 53.ORDNANCE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 54.RAIL | 0.0 | 444.0 | 72.4 | 0.0 | 22.6 | 0.0 | 1504.8 | 34.9 | 25.7 |
| 55.MOTOR FREIGT | 7.5 | 170.1 | 94.8 | 430.7 | 9.1 | 26.1 | 2360.2 | 0.0 | 820.7 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|--------|----------|--------|---------|
| 56.PIPELINE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 364.8 | 0.0 | 0.0 |
| 57.OTHER TRANS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.8 | 0.0 | 0.0 |
| 58.T AND T | 36.8 | 325.8 | 62.6 | 31.0 | 75.0 | 39.9 | 648.3 | 9.7 | 41.0 |
| 59.RADIO TV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60.OTHER COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 61.GAS | 26.8 | 73.9 | 55.4 | 32.8 | 16.3 | 13.0 | 11237.4 | 1.3 | 295.0 |
| 62.ELECTRICITY | 257.6 | 268.6 | 67.5 | 76.7 | 55.7 | 62.7 | 3925.3 | 1.1 | 196.9 |
| 63.WATER | 0.8 | 10.9 | 7.5 | 0.0 | 24.0 | 5.7 | 366.0 | 0.5 | 20.6 |
| 64.WHSLE AG PRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65.WHSLE LS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 121.3 | 64.2 | 22.1 | 5.7 | 12.0 | 484.4 | 795.3 | 4.8 | 149.2 |
| 67.RETL AG EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 68.RETL GENERAL | 143.0 | 19.2 | 15.3 | 3.7 | 13.5 | 3.3 | 69.1 | 0.0 | 0.0 |
| 69.FIN-INS-REST | 435.7 | 481.8 | 235.1 | 93.0 | 165.3 | 124.6 | 4057.0 | 36.7 | 0.0 |
| 70.LEGAL | 0.8 | 6.7 | 4.0 | 2.1 | 2.9 | 0.0 | 12.4 | 2.7 | 0.0 |
| 71.LODGING | 0.0 | 0.0 | 4.5 | 0.0 | 16.3 | 0.0 | 4.9 | 0.0 | 13.5 |
| 72.PERSONAL SER | 0.0 | 0.0 | 0.0 | 7.1 | 0.5 | 0.8 | 0.0 | 0.0 | 0.0 |
| 73.BUSINESS SER | 35.1 | 84.8 | 113.5 | 49.1 | 239.8 | 39.1 | 826.2 | 1.3 | 1.0 |
| 74.ALL OTHR SER | 775.2 | 30.6 | 44.7 | 53.7 | 3920.7 | 38.3 | 0.0 | 0.0 | 94.2 |
| INT.PURCHASES | 7066.2 | 4776.0 | 1301.5 | 1129.5 | 4923.0 | 1020.9 | 61488.2 | 98.7 | 4059.0 |
| 75.DEPRECIATION | 500.1 | 1600.4 | 226.6 | 307.4 | 201.3 | 263.8 | 11206.2 | 77.8 | 842.9 |
| 76.WAGES | 5009.9 | 8726.2 | 3833.5 | 2090.3 | 3262.0 | 2332.3 | 66146.1 | 244.1 | 4903.1 |
| 77.RESIDUAL INC | 1716.8 | 1123.3 | 606.8 | 1009.2 | 697.2 | 1714.5 | 23205.1 | 104.6 | 50.1 |
| 78.FED GVT | 551.1 | 1076.8 | 144.8 | 408.2 | 488.2 | 376.9 | 8293.1 | 15.6 | 220.0 |
| 79.STATE GVT | 62.7 | 98.7 | 16.4 | 9.6 | 56.2 | 65.1 | 4073.5 | 2.4 | 30.3 |
| 80.LOCAL GVT | 5.0 | 71.9 | 20.7 | 42.5 | 23.1 | 0.0 | 1707.5 | 5.6 | 189.9 |
| VALUE CREATED | 7845.6 | 12697.3 | 4848.8 | 3867.2 | 4727.9 | 4752.6 | 114631.3 | 450.1 | 6236.4 |
| 81.TEXAS IMPORT | 1585.5 | 2517.7 | 663.2 | 905.0 | 933.1 | 1519.1 | 78626.8 | 981.7 | 2207.1 |
| 82.IMPORTS USA | 257.6 | 12540.6 | 4912.7 | 7457.5 | 419.9 | 1396.2 | 55105.1 | 677.5 | 1747.5 |
| 83.IMP FOREIGN | 0.0 | 90.0 | 0.0 | 0.0 | 136.0 | 0.0 | 4.4 | 0.0 | 0.0 |
| TOTAL IMPORTS | 1843.1 | 15148.4 | 5575.9 | 8362.4 | 1489.0 | 2915.2 | 133736.3 | 1659.2 | 3954.6 |
| 84.TOTAL PURCHS | 16754.9 | 32621.8 | 11726.2 | 13359.1 | 11140.0 | 8688.7 | 309855.8 | 2208.0 | 14250.0 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|-------------------|--------|-------|-------|---------|-------|-------|-------|------|-------|
| 1. IRR-CROPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. DRYLAND COT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. OTHER DRYLND | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. RANGE L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. FEEDLOT L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. DAIRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. POULTRY EGGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. FORESTRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. AG SUPPLY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. GINNING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. AG SERVICES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. CRUDE PETRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.7 | 0.0 |
| 13. NAT GAS LIQ | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 14. OIL GAS SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. CONST COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. CONST FACIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. CONST REPAIR | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. MEAT PROD | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. DAIRIES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. MILLS | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. BAKERY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. FOOD CAN FZN | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24. OTHER FOOD | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25. BEVERAGE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26. APPAREL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27. LOGS | 0.0 | 0.0 | 0.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28. LUMBER | 0.0 | 0.0 | 0.0 | 18.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29. MILL WORK | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30. FURNITURE | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31. PAPER PROD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 229.1 |
| 32. PRINT PUB | 13.3 | 0.0 | 11.6 | 0.4 | 0.0 | 0.0 | 2.3 | 0.0 | 0.5 |
| 33. OTHER PRINT | 1.9 | 0.0 | 0.6 | 1.2 | 0.0 | 34.5 | 0.0 | 0.0 | 0.5 |
| 34. CHEM PET PRO | 38.5 | 252.1 | 184.2 | 631.3 | 6.3 | 0.0 | 4.6 | 0.0 | 221.4 |
| 35. AG CHEM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36. GLASS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37. CLAY | 94.8 | 0.0 | 0.6 | 48.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 38. STONE | 722.9 | 85.3 | 542.3 | 2.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39. CEMENT | 0.0 | 120.7 | 0.6 | 67.9 | 0.0 | 0.0 | 171.7 | 0.0 | 0.0 |
| 40. FOUNDRIES | 0.5 | 34.9 | 0.0 | 279.8 | 33.0 | 0.0 | 0.0 | 0.0 | 44.0 |
| 41. FABRICAT MET | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 225.4 | 0.0 | 0.0 | 20.3 |
| 42. PLATE WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.8 | 0.0 | 0.0 | 0.0 |
| 43. SHEET METAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 44. METAL DOOR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45. OTHER METAL | 0.3 | 37.4 | 0.0 | 0.8 | 2.2 | 0.0 | 0.0 | 0.0 | 199.6 |
| 46. INDLST MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 64.3 |
| 47. SERVIC MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 48. ELECT MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 49. TRANS MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50. SCIENC-EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 51. GAME TOY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52. OTHER MFG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 53. ORDNANCE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 54. RAIL | 0.0 | 153.0 | 994.8 | 10069.0 | 209.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55. MOTOR FRE IGT | 1061.9 | 19.1 | 139.3 | 2914.7 | 116.2 | 432.7 | 27.5 | 39.4 | 659.3 |

| | | | | | | | | | |
|------------------|---------|--------|---------|----------|---------|---------|--------|--------|---------|
| 56.PIPELINE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.OTHER TRANS | 0.0 | 0.4 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 58.T AND T | 111.8 | 22.6 | 70.6 | 709.9 | 57.5 | 0.0 | 10.3 | 70.8 | 127.6 |
| 59.RADIO TV | 0.0 | 0.0 | 9.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60.OTHER COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 61.GAS | 1019.7 | 17.4 | 10.9 | 268.2 | 23.4 | 83.9 | 1.1 | 7.9 | 32.9 |
| 62.ELECTRICITY | 506.8 | 17.1 | 26.3 | 782.8 | 78.3 | 296.1 | 6.9 | 7.9 | 186.1 |
| 63.WATER | 14.9 | 1.5 | 28.2 | 6.8 | 12.3 | 42.8 | 0.6 | 7.9 | 7.7 |
| 64.WHSLE AG PRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65.WHSLE LS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 31.3 | 15.8 | 60.3 | 1747.9 | 153.1 | 190.8 | 5.7 | 7.9 | 278.4 |
| 67.RETL AG EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 68.RETL GENERAL | 8.0 | 5.7 | 69.3 | 213.5 | 7.8 | 248.4 | 3.4 | 0.0 | 48.3 |
| 69.FIN-INS-REST | 454.2 | 68.4 | 279.8 | 1302.7 | 353.7 | 317.5 | 148.3 | 15.7 | 410.4 |
| 70.LEGAL | 17.0 | 0.0 | 27.0 | 9.8 | 14.4 | 4.9 | 1.1 | 0.0 | 1.4 |
| 71.LODGING | 13.0 | 0.0 | 0.6 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.PERSONAL SER | 0.3 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 |
| 73.BUSINESS SER | 70.6 | 1.3 | 87.3 | 2.9 | 14.2 | 0.0 | 0.0 | 244.0 | 61.4 |
| 74.ALL OTHR SER | 638.8 | 195.8 | 92.4 | 96.4 | 33.4 | 19.7 | 5.7 | 23.6 | 836.2 |
| INT.PURCHASES | 4820.4 | 1049.5 | 2637.9 | 19194.2 | 1127.8 | 1911.8 | 392.7 | 440.7 | 3429.9 |
| 75.DEPRECIATION | 146.3 | 19.6 | 633.5 | 7145.7 | 404.6 | 551.2 | 26.3 | 0.0 | 219.4 |
| 76.WAGES | 9898.9 | 444.2 | 267.0 | 49735.8 | 3620.9 | 8081.5 | 521.5 | 78.7 | 8058.9 |
| 77.RESIDUAL INC | 2662.6 | 394.1 | 1602.0 | 20572.0 | 1205.2 | 3557.1 | 62.4 | 637.5 | 3153.9 |
| 78.FED GVT | 1536.6 | 140.5 | 231.7 | 3021.7 | 723.9 | 388.3 | 22.3 | 94.4 | 1777.8 |
| 79.STATE GVT | 1390.3 | 7.7 | 172.0 | 856.6 | 37.0 | 126.7 | 4.0 | 102.3 | 160.5 |
| 80.LOCAL GVT | 81.8 | 14.3 | 73.8 | 602.6 | 40.7 | 93.8 | 1.7 | 15.7 | 318.5 |
| VALUE CREATED | 15716.5 | 1020.3 | 2980.0 | 81934.3 | 6032.3 | 12798.5 | 638.2 | 928.7 | 13689.0 |
| 81.TEXAS IMPORT | 1422.5 | 1069.5 | 8547.7 | 29470.3 | 3624.2 | 9572.1 | 385.2 | 708.3 | 988.0 |
| 82.IMPORTS USA | 2407.7 | 44.6 | 517.3 | 45529.1 | 6274.8 | 1704.5 | 18.9 | 850.0 | 12150.0 |
| 83.IMP FOREIGN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 102.3 | 0.0 |
| TOTAL IMPORTS | 3830.2 | 1114.2 | 9065.0 | 74999.4 | 9899.0 | 11276.6 | 404.1 | 1660.6 | 13137.9 |
| 84.TOTAL PURCHS | 24367.1 | 3184.0 | 14682.9 | 176127.8 | 17059.1 | 25986.9 | 1435.0 | 3030.0 | 30256.8 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |
|------------------|--------|-------|-------|-------|-----|------|-------|---------|--------|
| 1.IRR-CROPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.DRYLAND COT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3.OTHER DRYLND | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.RANGE L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5.FEEDLOT L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.DAIRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.POULTRY EGGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.FORESTRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.AG SUPPLY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10.GINNING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.AG SERVICES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.CRUDE PETRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13.NAT GAS LIQ | 0.0 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14.OIL GAS SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15.CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16.CONST COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 |
| 17.CONST FACIL | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18.CONST REPAIR | 416.8 | 0.0 | 502.8 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 3308.5 |
| 19.MEAT PROD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 163.5 | 0.0 | 0.0 |
| 20.DAIRIES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21.MILLS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.BAKERY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23.FOOD CAN FZN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24.OTHER FOOD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 61.8 |
| 25.BEVERAGE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26.APPAREL | 173.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.LOGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 0.0 | 0.0 |
| 28.LUMBER | 36.2 | 0.0 | 0.0 | 32.2 | 0.0 | 0.0 | 24.1 | 0.0 | 0.0 |
| 29.MILL WORK | 9.2 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 154.5 | 0.0 | 0.0 |
| 30.FURNITURE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31.PAPER PROD | 7.8 | 0.0 | 50.3 | 0.0 | 0.0 | 0.0 | 7.2 | 0.0 | 0.0 |
| 32.PRINT PUB | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 42.4 | 11.5 | 0.0 | 0.0 |
| 33.OTHER PRINT | 19.6 | 0.0 | 0.0 | 32.2 | 0.0 | 5.9 | 4.6 | 0.0 | 51.3 |
| 34.CHEM PET PRO | 4642.4 | 0.3 | 439.1 | 23.2 | 4.5 | 0.0 | 1.7 | 196.3 | 1050.2 |
| 35.AG CHEM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36.GLASS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.CLAY | 0.0 | 0.0 | 0.0 | 19.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 38.STONE | 2.1 | 0.0 | 0.0 | 0.9 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 39.CEMENT | 0.0 | 0.0 | 0.0 | 31.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40.FOUNDRIES | 778.9 | 1.0 | 36.9 | 2.1 | 0.0 | 0.0 | 0.8 | 51599.2 | 504.0 |
| 41.FABRICAT MET | 563.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 414.8 |
| 42.PLATE WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 43.SHEET METAL | 83.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 44.METAL DODR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45.OTHER METAL | 4121.5 | 148.6 | 154.2 | 598.0 | 0.0 | 0.5 | 4.6 | 0.0 | 5.1 |
| 46.INDUST MACH | 1407.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 202.0 |
| 47.SERVIC MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 48.ELECT MACH | 167.9 | 0.0 | 33.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39.8 |
| 49.TRANS MACH | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 222.5 |
| 50.SCIENC-EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 51.GAME TOY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.OTHER MFG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 53.ORDNANCE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 54.RAIL | 18.4 | 0.0 | 0.0 | 47.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1721.9 |
| 55.MOTOR FRE IGT | 1134.6 | 5.7 | 201.1 | 114.1 | 0.0 | 36.5 | 30.7 | 1018.1 | 281.2 |

| | | | | | | | | | | |
|------------------|----------|--------|---------|---------|--------|--------|--------|----------|---------|-------|
| 56.PIPELINE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.OTHER TRANS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 397.3 |
| 58.T AND T | 233.9 | 35.2 | 295.0 | 200.8 | 9.0 | 22.7 | 9.0 | 325.8 | 0.0 | 0.0 |
| 59.RADIO TV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 387.6 |
| 60.OTHER COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 61.GAS | 95.8 | 8.7 | 20.1 | 20.2 | 0.2 | 6.9 | 2.6 | 806.3 | 44.3 | 0.0 |
| 62.ELECTRICITY | 329.0 | 36.5 | 345.3 | 55.3 | 4.3 | 31.1 | 11.7 | 3583.6 | 93.4 | 0.0 |
| 63.WATER | 33.6 | 2.1 | 20.1 | 8.6 | 0.2 | 2.5 | 7.3 | 89.6 | 119.8 | 0.0 |
| 64.WHSLE AG PRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65.WHSLE LS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 1080.9 | 44.5 | 1263.7 | 63.1 | 5.5 | 1.5 | 22.8 | 52.1 | 177.6 | 0.0 |
| 67.RETL AG EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 68.RETL GENERAL | 123.4 | 14.1 | 50.3 | 75.5 | 1.2 | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 69.FIN-INS-REST | 843.5 | 180.2 | 405.6 | 80.6 | 15.9 | 111.9 | 17.7 | 3257.8 | 1011.8 | 0.0 |
| 70.LEGAL | 30.4 | 8.5 | 46.9 | 24.0 | 0.0 | 0.0 | 2.2 | 40.7 | 0.0 | 0.0 |
| 71.LODGING | 8.7 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.PERSONAL SER | 0.0 | 5.4 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 307.3 |
| 73.BUSINESS SER | 1035.0 | 115.2 | 1961.0 | 14.2 | 0.0 | 42.4 | 18.8 | 0.0 | 277.9 | 0.0 |
| 74.ALL OTHR SER | 241.6 | 67.9 | 623.5 | 17.2 | 0.0 | 23.7 | 8.2 | 0.0 | 0.0 | 0.0 |
| INT.PURCHASES | 17646.9 | 673.9 | 6452.8 | 1461.0 | 47.1 | 329.8 | 525.5 | 60969.5 | 10680.1 | 0.0 |
| 75.DEPRECIATION | 1431.9 | 109.0 | 1397.8 | 223.1 | 15.5 | 101.0 | 23.0 | 14660.2 | 2793.7 | 0.0 |
| 76.WAGES | 19570.4 | 1525.2 | 18436.6 | 3768.0 | 556.7 | 7253.9 | 518.3 | 49132.2 | 10262.5 | 0.0 |
| 77.RESIDUAL INC | 4251.3 | 1613.1 | 3513.0 | 4197.4 | 133.5 | 55.2 | 136.4 | 0.0 | 9958.5 | 0.0 |
| 78.FED GVT | 2349.8 | 92.6 | 2450.4 | 178.0 | 24.0 | 266.2 | 28.0 | 3054.2 | 2128.2 | 0.0 |
| 79.STATE GVT | 142.0 | 1.5 | 80.5 | 61.3 | 2.4 | 100.6 | 4.6 | 69.2 | 65.1 | 0.0 |
| 80.LOCAL GVT | 278.9 | 9.5 | 97.2 | 24.5 | 0.0 | 1.0 | 1.5 | 244.3 | 704.9 | 0.0 |
| VALUE CREATED | 28024.2 | 3350.9 | 25975.5 | 8452.2 | 732.1 | 7777.9 | 711.9 | 67160.1 | 25912.9 | 0.0 |
| 81.TEXAS IMPORT | 47706.1 | 370.2 | 1957.6 | 4601.4 | 266.1 | 129.6 | 183.4 | 4414.4 | 100.6 | 0.0 |
| 82.IMPORTS USA | 6483.1 | 410.3 | 6550.0 | 18639.9 | 594.7 | 542.7 | 441.0 | 80615.8 | 505.5 | 0.0 |
| 83.IMP FOREIGN | 446.9 | 14.7 | 0.0 | 74.2 | 0.0 | 147.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL IMPORTS | 54636.1 | 795.2 | 8507.7 | 23315.6 | 860.8 | 819.7 | 624.4 | 85030.1 | 606.1 | 0.0 |
| 84.TOTAL PURCHS | 100307.2 | 4820.0 | 40936.0 | 33228.8 | 1640.0 | 8927.4 | 1861.8 | 213159.6 | 37199.0 | 0.0 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
|-----------------|--------|--------|-------|------|------|------|---------|-------|-------|
| 1.IRR-CROPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.DRYLAND COT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3.OTHER DRYLND | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.RANGE L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5.FEEDLOT L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.DAIRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.POULTRY EGGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.FORESTRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.AG SUPPLY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10.GINNING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.AG SERVICES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.CRUDE PETRO | 0.0 | 720.3 | 0.0 | 0.0 | 0.0 | 0.0 | 50083.9 | 0.0 | 0.0 |
| 13.NAT GAS LIQ | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14.OIL GAS SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15.CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16.CONST COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.CONST FACIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18.CONST REPAIR | 189.3 | 1303.7 | 0.0 | 0.0 | 49.4 | 0.0 | 11.6 | 110.1 | 646.2 |
| 19.MEAT PROD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20.DAIRIES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21.MILLS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.BAKERY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23.FOOD CAN FZN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24.OTHER FOOD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25.BEVERAGE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26.APPAREL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 8.9 | 8.5 |
| 27.LOGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28.LUMBER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.7 | 0.3 |
| 29.MILL WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 3.7 |
| 30.FURNITURE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 31.PAPER PROD | 0.0 | 271.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 10.1 |
| 32.PRINT PUB | 0.0 | 9.7 | 0.0 | 4.3 | 6.9 | 0.0 | 4.2 | 83.8 | 0.0 |
| 33.OTHER PRINT | 0.0 | 99.1 | 0.0 | 91.9 | 0.0 | 0.0 | 0.1 | 0.0 | 9.2 |
| 34.CHEM PET PRO | 1389.0 | 715.3 | 103.4 | 0.0 | 9.1 | 4.4 | 16.5 | 107.1 | 276.2 |
| 35.AG CHEM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 |
| 36.GLASS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.CLAY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 38.STONE | 0.0 | 829.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 435.3 |
| 39.CEMENT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 | 0.7 |
| 40.FOUNDRIES | 4.3 | 3.1 | 0.7 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 34.8 |
| 41.FABRICAT MET | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 5.0 |
| 42.PLATE WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 43.SHEET METAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 44.METAL DOOR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45.OTHER METAL | 3.4 | 2.4 | 0.6 | 0.0 | 0.4 | 0.0 | 0.0 | 0.1 | 36.0 |
| 46.INDUST MACH | 0.0 | 1227.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 |
| 47.SERVIC MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 1.0 |
| 48.ELECT MACH | 0.0 | 582.3 | 0.0 | 0.0 | 18.1 | 13.3 | 0.0 | 3.5 | 17.6 |
| 49.TRANS MACH | 0.0 | 9.7 | 0.0 | 0.0 | 12.0 | 4.1 | 0.1 | 0.2 | 0.5 |
| 50.SCIENC-EQUIP | 0.0 | 425.3 | 0.0 | 0.0 | 18.2 | 0.0 | 0.0 | 0.0 | 5.8 |
| 51.GAME TOY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.OTHER MFG | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 165.0 | 3.5 |
| 53.ORDNANCE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 54.RAIL | 0.0 | 0.0 | 0.0 | 58.3 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 |
| 55.MOTOR FREIGT | 0.0 | 0.0 | 0.0 | 63.3 | 0.0 | 0.0 | 6.6 | 99.1 | 0.0 |

| | | | | | | | | | |
|------------------|---------|---------|--------|---------|--------|-------|---------|---------|---------|
| 56.PIPELINE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.OTHER TRANS | 0.0 | 0.0 | 0.0 | 38.0 | 3.2 | 0.0 | 0.0 | 18.7 | 0.0 |
| 58.T AND T | 1014.0 | 24.1 | 19.7 | 0.0 | 63.6 | 1.9 | 16.3 | 188.7 | 32.6 |
| 59.RADIO TV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 135.8 | 0.0 |
| 60.OTHER COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 61.GAS | 229.9 | 454.9 | 1.8 | 57.3 | 5.5 | 0.3 | 928.9 | 6666.2 | 0.0 |
| 62.ELECTRICITY | 348.8 | 829.9 | 10.7 | 460.6 | 97.6 | 6.7 | 6.4 | 0.0 | 823.3 |
| 63.WATER | 18.9 | 0.0 | 1.7 | 54.9 | 3.3 | 0.3 | 1.6 | 158.6 | 1087.9 |
| 64.WHSLE AG PRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65.WHSLE LS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 1322.6 | 77.0 | 82.3 | 0.0 | 11.2 | 1.5 | 17.4 | 258.9 | 302.6 |
| 67.RETL AG EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 68.RETL GENERAL | 553.3 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 20.4 | 737.1 | 0.0 |
| 69.FIN-INS-REST | 3039.0 | 569.0 | 334.7 | 762.1 | 136.8 | 3.1 | 90.2 | 744.6 | 81.8 |
| 70.LEGAL | 284.9 | 25.7 | 22.3 | 0.0 | 14.5 | 3.7 | 0.0 | 131.8 | 0.0 |
| 71.LODGING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.PERSONAL SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 73.BUSINESS SER | 325.6 | 0.0 | 102.8 | 212.8 | 791.8 | 0.0 | 24.4 | 85.4 | 0.0 |
| 74.ALL OTHR SER | 228.4 | 0.0 | 25.2 | 0.0 | 64.5 | 3.7 | 41.8 | 146.6 | 0.0 |
| INT. PURCHASES | 8951.6 | 8178.9 | 705.9 | 1803.5 | 1312.8 | 43.1 | 51277.0 | 9878.0 | 3831.4 |
| 75.DEPRECIATION | 2579.2 | 8423.4 | 82.9 | 9035.2 | 295.0 | 78.3 | 569.8 | 7229.3 | 3605.0 |
| 76.WAGES | 7294.9 | 5565.0 | 1182.6 | 15199.3 | 1845.6 | 103.9 | 865.5 | 7854.5 | 3940.1 |
| 77.RESIDUAL INC | 2016.9 | 8835.5 | 518.8 | 0.0 | 573.4 | 130.0 | 0.0 | 0.0 | 0.0 |
| 78.FED GVT | 873.5 | 4848.9 | 91.8 | 10058.1 | 401.8 | 81.5 | 360.3 | 8106.5 | 97.1 |
| 79.STATE GVT | 985.2 | 617.2 | 8.0 | 1357.5 | 10.0 | 0.0 | 100.4 | 1028.7 | 0.0 |
| 80.LOCAL GVT | 169.6 | 1236.3 | 13.1 | 2499.1 | 37.3 | 8.8 | 249.9 | 1662.1 | 0.0 |
| VALUE CREATED | 13919.3 | 29526.4 | 1897.2 | 38149.2 | 3163.1 | 402.5 | 2145.9 | 25881.1 | 7642.2 |
| 81.TEXAS IMPORT | 3985.3 | 45.7 | 138.6 | 0.0 | 131.8 | 2.4 | 2651.5 | 18108.0 | 1156.1 |
| 82.IMPORTS USA | 1663.5 | 97.1 | 61.7 | 0.0 | 620.1 | 1.9 | 0.0 | 0.0 | 480.3 |
| 83.IMP FOREIGN | 16.3 | 957.5 | 23.4 | 532.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL IMPORTS | 5665.1 | 1100.4 | 223.7 | 532.5 | 751.9 | 4.3 | 2651.5 | 18108.0 | 1636.4 |
| 84.TOTAL PURCHS | 28536.1 | 38805.7 | 2826.8 | 40485.3 | 5227.8 | 449.9 | 56074.3 | 53867.1 | 13110.0 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
|-----------------|--------|------|--------|------|--------|-------|-----|-------|-------|
| 1.IRR-CROPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.DRYLAND COT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3.OTHER DRYLND | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4.RANGE L.S. | 0.0 | 16.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5.FEEDLOT L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.DAIRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.POULTRY EGGS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.FORESTRY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.AG SUPPLY | 0.0 | 0.0 | 324.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10.GINNING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.AG SERVICES | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.CRUDE PETRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13.NAT GAS LIQ | 0.0 | 0.0 | 1.6 | 0.0 | 7.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14.OIL GAS SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15.CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16.CONST COMM | 0.0 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.CONST FACIL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18.CONST REPAIR | 0.0 | 0.0 | 324.4 | 0.0 | 2806.6 | 712.0 | 0.0 | 102.3 | 207.8 |
| 19.MEAT PROD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.9 | 0.0 |
| 20.DAIRIES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21.MILLS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 2.7 | 0.0 |
| 22.BAKERY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23.FOOD CAN FZN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 2.7 | 0.0 |
| 24.OTHER FOOD | 0.0 | 0.0 | 262.1 | 0.0 | 0.0 | 3.4 | 0.0 | 6.4 | 0.0 |
| 25.BEVERAGE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 108.3 | 0.0 | 0.0 | 0.0 |
| 26.APPAREL | 0.0 | 0.0 | 278.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.LOGS | 0.0 | 0.0 | 268.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28.LUMBER | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 29.MILL WORK | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30.FURNITURE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 | 0.0 | 0.0 |
| 31.PAPER PROD | 0.0 | 0.0 | 845.3 | 0.0 | 505.1 | 0.0 | 0.0 | 0.0 | 3.7 |
| 32.PRINT PUB | 0.0 | 0.0 | 108.1 | 16.2 | 4971.1 | 2.8 | 0.0 | 5.5 | 211.5 |
| 33.OTHER PRINT | 0.0 | 0.0 | 235.9 | 1.6 | 324.7 | 390.7 | 0.0 | 0.0 | 0.0 |
| 34.CHEM PET PRO | 25.3 | 0.0 | 1757.7 | 12.9 | 4314.6 | 80.6 | 0.8 | 4.6 | 111.3 |
| 35.AG CHEM | 0.0 | 0.0 | 257.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36.GLASS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.CLAY | 0.0 | 0.0 | 4.9 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 38.STONE | 0.0 | 0.0 | 216.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 39.CEMENT | 0.0 | 0.0 | 6.6 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40.FOUNDRIES | 0.0 | 0.0 | 14.7 | 0.4 | 50.5 | 33.4 | 3.8 | 1.8 | 0.0 |
| 41.FABRICAT MET | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.PLATE WORK | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 43.SHEET METAL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 44.METAL DOOR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45.OTHER METAL | 0.0 | 0.0 | 0.0 | 0.4 | 36.1 | 26.9 | 3.1 | 1.8 | 0.0 |
| 46.INDUST MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.SERVIC MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 48.ELECT MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 49.TRANS MACH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50.SCIENC-EQUIP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 51.GAME TOY | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.OTHER MFG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.4 |
| 53.ORDNANCE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 54.RAIL | 1443.0 | 0.0 | 1487.4 | 2.4 | 389.6 | 0.0 | 0.0 | 0.0 | 14.8 |
| 55.MOTOR FREIGT | 45.1 | 0.0 | 1703.7 | 9.7 | 2243.9 | 0.0 | 0.0 | 0.0 | 7.4 |

| | | | | | | | | | |
|------------------|---------|--------|----------|--------|----------|----------|---------|--------|---------|
| 56.PIPELINE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.OTHER TRANS | 0.0 | 0.0 | 42.6 | 0.0 | 86.6 | 77.2 | 0.0 | 0.0 | 0.0 |
| 58.T AND T | 30.7 | 0.0 | 1792.1 | 30.7 | 3088.0 | 851.9 | 199.5 | 112.3 | 100.2 |
| 59.RADIO TV | 0.0 | 0.0 | 41.0 | 2.8 | 1435.8 | 52.9 | 0.0 | 0.0 | 0.0 |
| 60.OTHER COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 |
| 61.GAS | 7.2 | 2.8 | 137.6 | 4.4 | 591.6 | 149.5 | 6.9 | 40.2 | 263.4 |
| 62.ELECTRICITY | 57.7 | 17.7 | 1285.9 | 20.2 | 3961.0 | 672.7 | 28.5 | 252.9 | 541.7 |
| 63.WATER | 7.2 | 4.6 | 280.1 | 4.0 | 952.4 | 107.8 | 3.1 | 42.0 | 126.1 |
| 64.WHSLE AG PRO | 781.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65.WHSLE LS | 0.0 | 496.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 18.0 | 11.2 | 1151.6 | 14.9 | 2878.8 | 878.3 | 81.6 | 142.5 | 159.5 |
| 67.RETL AG EQUIP | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 68.RETL GENERAL | 18.0 | 0.0 | 1787.2 | 22.6 | 3614.7 | 239.3 | 0.0 | 43.8 | 59.4 |
| 69.FIN-INS-REST | 211.0 | 57.6 | 5230.6 | 101.4 | 9574.3 | 6262.0 | 437.4 | 331.5 | 753.1 |
| 70.LEGAL | 0.0 | 0.0 | 145.8 | 0.0 | 404.0 | 792.2 | 0.0 | 0.9 | 0.0 |
| 71.LODGING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 237.5 | 0.0 | 0.0 | 0.0 |
| 72.PERSONAL SER | 0.0 | 0.0 | 11.5 | 0.0 | 187.6 | 0.0 | 0.0 | 196.3 | 22.3 |
| 73.BUSINESS SER | 122.7 | 4.6 | 240.8 | 14.9 | 3672.4 | 2723.4 | 97.0 | 85.8 | 474.9 |
| 74.ALL OTHR SER | 27.1 | 22.3 | 1941.2 | 16.2 | 3593.1 | 973.4 | 130.1 | 142.5 | 393.3 |
| INT.PURCHASES | 2794.0 | 651.8 | 22190.2 | 276.6 | 49689.8 | 15388.3 | 991.9 | 1522.2 | 3457.7 |
| 75.DEPRECIATION | 254.3 | 0.9 | 4968.5 | 48.5 | 11399.7 | 2609.8 | 96.3 | 636.5 | 756.8 |
| 76.WAGES | 1738.8 | 695.5 | 54746.5 | 597.6 | 128059.4 | 47546.4 | 2786.2 | 2024.4 | 8889.1 |
| 77.RESIDUAL INC | 988.5 | 104.1 | 14567.9 | 163.9 | 37164.6 | 39262.8 | 6089.0 | 893.1 | 1305.9 |
| 78.FED GVT | 135.3 | 37.2 | 5989.0 | 23.0 | 8658.0 | 5347.4 | 311.1 | 620.9 | 526.8 |
| 79.STATE GVT | 5.4 | 14.9 | 1310.5 | 5.3 | 2821.1 | 1612.7 | 30.8 | 47.5 | 37.1 |
| 80.LOCAL GVT | 32.5 | 2.8 | 927.2 | 8.5 | 2842.7 | 1206.0 | 33.9 | 220.1 | 252.3 |
| VALUE CREATED | 3154.8 | 855.4 | 82509.6 | 846.8 | 190945.4 | 97585.0 | 9347.2 | 4442.4 | 11768.0 |
| 81.TEXAS IMPORT | 7159.1 | 11.2 | 12359.7 | 242.3 | 18181.8 | 4122.8 | 906.4 | 824.6 | 1758.5 |
| 82.IMPORTS USA | 18.0 | 13.0 | 15403.4 | 510.4 | 9163.1 | 1147.5 | 249.5 | 191.8 | 489.7 |
| 83.IMP FOREIGN | 0.0 | 2.8 | 1788.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL IMPORTS | 7177.1 | 27.0 | 29552.0 | 752.7 | 27344.9 | 5270.4 | 1155.9 | 1016.3 | 2248.2 |
| 84.TOTAL PURCHS | 13125.9 | 1534.2 | 134251.6 | 1876.1 | 267980.1 | 118243.6 | 11495.0 | 6981.0 | 17474.0 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | 73 | 74 | HOUSEHOLDS | FED GOV | STATE GOV | LOCAL GOV | EXPORTS TEXAS | EXPORTS USA | EXPORTS FOREIGN |
|-----------------|--------|---------|------------|----------|-----------|-----------|------------------|----------------|--------------------|
| 1.IRR-CROPS | 0.0 | 0.0 | 1739.2 | 620.8 | 0.0 | 0.0 | 1757.8 | 2413.6 | 0.0 |
| 2.DRYLAND COT | 0.0 | 0.0 | 0.0 | 4477.6 | 0.0 | 0.0 | 0.0 | 5601.4 | 0.0 |
| 3.OTHER DRYLND | 0.0 | 0.0 | 965.2 | 4253.8 | 0.0 | 0.0 | 4008.0 | 53.5 | 84.1 |
| 4.RANGE L.S. | 0.0 | 0.0 | 1771.1 | 1221.2 | 0.0 | 0.0 | 0.0 | 68133.8 | 0.0 |
| 5.FEEDLOT L.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.DAIRY | 0.0 | 0.0 | 1430.1 | 0.0 | 0.0 | 0.0 | 17293.1 | 0.0 | 0.0 |
| 7.POULTRY EGGS | 0.0 | 0.0 | 42.2 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.FORESTRY | 0.0 | 0.0 | 4379.7 | 0.0 | 61.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.AG SUPPLY | 0.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10.GINNING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11.AG SERVICES | 0.0 | 0.4 | 316.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.CRUDE PETRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 371895.8 | 0.0 | 0.0 |
| 13.NAT GAS LIQ | 0.0 | 10.3 | 60089.7 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14.OIL GAS SER | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13103.4 | 7733.0 | 0.0 |
| 15.CONST HOME | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7688.6 | 0.0 | 0.0 |
| 16.CONST COMM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5639.6 | 8356.1 | 0.0 | 0.0 |
| 17.CONST FACIL | 0.0 | 15.4 | 0.0 | 1536.1 | 26118.3 | 0.0 | 13741.1 | 0.0 | 0.0 |
| 18.CONST REPAIR | 8.6 | 1444.5 | 0.0 | 143.6 | 110.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19.MEAT PROD | 0.0 | 8574.6 | 39039.9 | 0.0 | 0.0 | 0.0 | 3686.0 | 5932.4 | 0.0 |
| 20.DAIRIES | 0.0 | 10501.2 | 5.3 | 0.0 | 130.0 | 0.0 | 9922.8 | 0.0 | 0.0 |
| 21.MILLS | 0.0 | 53.5 | 5.3 | 0.0 | 23.3 | 0.0 | 6298.3 | 460.9 | 0.0 |
| 22.BAKERY | 0.0 | 5145.1 | 200.0 | 0.0 | 54.2 | 0.0 | 4669.4 | 0.0 | 0.0 |
| 23.FOOD CAN FZN | 0.0 | 9319.5 | 9.0 | 0.0 | 0.0 | 0.2 | 47845.1 | 5368.3 | 0.0 |
| 24.OTHER FOOD | 0.0 | 44.9 | 0.9 | 0.0 | 0.0 | 88.1 | 5090.5 | 16534.4 | 0.0 |
| 25.BEVERAGE | 0.0 | 0.0 | 2232.3 | 0.0 | 0.0 | 0.0 | 19819.4 | 13289.5 | 0.0 |
| 26.APPAREL | 0.0 | 27.8 | 4.5 | 474.0 | 1.8 | 231.6 | 23355.8 | 23701.6 | 0.0 |
| 27.LOGS | 0.0 | 0.0 | 546.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 28.LUMBER | 0.0 | 42.4 | 63.7 | 0.0 | 36.9 | 40.1 | 1114.7 | 18.5 | 0.0 |
| 29.MILL WORK | 0.0 | 0.2 | 73.5 | 1270.9 | 4.1 | 0.0 | 8565.4 | 12525.4 | 0.0 |
| 30.FURNITURE | 0.0 | 1048.0 | 153.3 | 0.0 | 0.0 | 4.7 | 2976.7 | 7604.6 | 67.1 |
| 31.PAPER PROD | 0.0 | 1337.8 | 0.0 | 0.0 | 26.3 | 0.0 | 4123.2 | 1000.6 | 0.0 |
| 32.PRINT PUB | 28.7 | 83.8 | 3885.0 | 0.0 | 0.0 | 24.5 | 1085.8 | 475.5 | 0.0 |
| 33.OTHER PRINT | 33.5 | 120.1 | 54.5 | 0.0 | 0.0 | 26.0 | 6623.6 | 0.0 | 0.0 |
| 34.CHEM PET PRO | 9384.0 | 338.4 | 966.8 | 0.0 | 205.9 | 96.3 | 45589.0 | 196822.3 | 29.7 |
| 35.AG CHEM | 0.0 | 3.5 | 673.4 | 0.0 | 23.7 | 0.0 | 867.9 | 242.5 | 0.0 |
| 36.GLASS | 0.0 | 14.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.CLAY | 0.0 | 1.0 | 2771.1 | 0.0 | 0.0 | 0.0 | 7038.3 | 9762.7 | 0.0 |
| 38.STONE | 0.0 | 7.6 | 41.9 | 0.0 | 244.7 | 0.0 | 46.8 | 0.0 | 0.0 |
| 39.CEMENT | 0.0 | 1.6 | 9008.2 | 0.0 | 80.4 | 282.0 | 300.2 | 1319.8 | 0.0 |
| 40.FOUNDRIES | 418.1 | 190.5 | 7.8 | 19278.3 | 89.7 | 4339.5 | 35808.7 | 48478.6 | 0.0 |
| 41.FABRICAT MET | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2672.7 | 11310.8 | 0.0 |
| 42.PLATE WORK | 0.0 | 0.6 | 0.0 | 0.0 | 27.1 | 203.5 | 24623.9 | 0.0 | 0.0 |
| 43.SHEET METAL | 0.0 | 0.2 | 0.0 | 0.0 | 5.0 | 0.0 | 406.9 | 71.6 | 0.0 |
| 44.METAL DOOR | 0.0 | 50.9 | 2887.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45.OTHER METAL | 13.4 | 105.2 | 87.0 | 240.1 | 0.0 | 7.8 | 15762.8 | 1543.4 | 160.5 |
| 46.INDUST MACH | 0.0 | 243.4 | 0.0 | 0.0 | 0.0 | 1061.7 | 15117.9 | 54379.7 | 10883.1 |
| 47.SERVIC MACH | 0.0 | 15.7 | 0.0 | 0.0 | 0.0 | 0.0 | 4110.7 | 539.2 | 0.0 |
| 48.ELECT MACH | 0.0 | 82.4 | 456.8 | 0.0 | 0.0 | 141.4 | 5442.8 | 27840.6 | 0.0 |
| 49.TRANS MACH | 0.0 | 369.9 | 0.0 | 0.0 | 0.0 | 1001.6 | 11190.9 | 18203.8 | 0.0 |
| 50.SCIENC-EQUIP | 0.0 | 700.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 51.GAME TOY | 0.0 | 14.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1631.5 | 7234.6 | 0.0 |
| 52.OTHER MFG | 216.2 | 56.0 | 0.0 | 0.0 | 62.4 | 0.0 | 405.9 | 216.8 | 0.0 |
| 53.ORDNANCE | 0.0 | 0.0 | 0.0 | 162179.1 | 0.0 | 5.2 | 42902.1 | 8511.6 | 0.0 |
| 54.RAIL | 0.0 | 42.4 | 18126.5 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55.MOTOR FREIGT | 304.3 | 1470.0 | 1946.3 | 1553.9 | 453.6 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | |
|------------------|---------|----------|-----------|-----------|----------|-----------|-----------|-----------|---------|
| 56.PIPELINE | 0.0 | 0.0 | 38439.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.OTHER TRANS | 765.4 | 88.1 | 814.4 | 257.7 | 2.6 | 21.9 | 0.0 | 0.0 | 0.0 |
| 58.T AND T | 611.4 | 1317.4 | 21854.4 | 938.2 | 401.0 | 144.7 | 0.0 | 0.0 | 0.0 |
| 59.RADIO TV | 0.0 | 105.2 | 139.0 | 0.0 | 0.0 | 0.0 | 819.8 | 1716.0 | 0.0 |
| 60.OTHER COMM | 0.0 | 0.0 | 149.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 61.GAS | 36.4 | 1324.8 | 2215.8 | 584.0 | 52.7 | 76.2 | 11391.4 | 15710.8 | 0.0 |
| 62.ELECTRICITY | 156.0 | 3081.9 | 25877.6 | 123.9 | 313.4 | 266.7 | 0.0 | 0.0 | 0.0 |
| 63.WATER | 18.2 | 585.5 | 6858.5 | 544.1 | 47.0 | 38.1 | 0.0 | 0.0 | 0.0 |
| 64.WHSLE AG PRO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9788.8 | 2555.7 | 0.0 |
| 65.WHSLE LS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1030.3 | 0.0 | 0.0 |
| 66.WHSLE GENRAL | 500.4 | 3559.1 | 8937.2 | 113.1 | 112.9 | 268.2 | 39374.7 | 49947.4 | 16.5 |
| 67.RETL AG EQUIP | 0.0 | 0.0 | 304.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 68.RETL GENERAL | 127.3 | 78.7 | 240473.6 | 0.0 | 1.1 | 243.9 | 29.9 | 0.0 | 0.0 |
| 69.FIN-INS-REST | 924.2 | 6486.4 | 43537.8 | 0.0 | 404.5 | 2924.1 | 0.0 | 0.0 | 0.0 |
| 70.LEGAL | 99.5 | 175.5 | 5054.2 | 0.0 | 58.0 | 0.0 | 175.4 | 2713.7 | 0.0 |
| 71.LODGING | 0.0 | 0.0 | 838.6 | 0.0 | 0.0 | 21.9 | 3809.4 | 1488.0 | 80.2 |
| 72.PERSONAL SER | 55.5 | 268.6 | 16055.0 | 57.0 | 0.1 | 0.0 | 0.0 | 110.3 | 0.0 |
| 73.BUSINESS SER | 206.7 | 1359.6 | 68.1 | 4.5 | 330.5 | 1011.2 | 40.4 | 167.2 | 0.0 |
| 74.ALL OTHR SER | 226.8 | 703.1 | 238758.3 | 9401.7 | 86.1 | 21.9 | 870.9 | 34.1 | 0.0 |
| INT.PURCHASES | 14134.3 | 60612.6 | 804356.4 | 209273.1 | 29575.1 | 18232.6 | 864269.6 | 631766.9 | 11321.2 |
| 75.DEPRECIATION | 1707.8 | 24645.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 76.WAGES | 13596.6 | 163359.5 | 336182.2 | 221635.0 | 44512.3 | 17642.0 | 0.0 | 0.0 | 0.0 |
| 77.RESIDUAL INC | 2165.2 | 2493.8 | 177933.1 | -372000.0 | -64750.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 78.FED GVT | 524.3 | 2117.3 | 174792.5 | 0.0 | 215.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 79.STATE GVT | 154.0 | 31.1 | 13570.7 | 34634.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80.LOCAL GVT | 94.7 | 107.7 | 72916.7 | 1838.4 | 40990.7 | -112000.0 | 0.0 | 0.0 | 0.0 |
| VALUE CREATED | 18242.7 | 192754.7 | 775395.1 | -113891.7 | 20967.7 | -94358.0 | 0.0 | 0.0 | 0.0 |
| 81.TEXAS IMPORT | 4584.8 | 11900.0 | 4737.5 | 70743.8 | 10644.8 | 845.8 | -561882.4 | 2049.5 | 0.5 |
| 82.IMPORTS USA | 1723.1 | 5163.2 | 4534.4 | 55448.3 | 2539.1 | 315.7 | 3090.6 | -587351.3 | 1.0 |
| 83.IMP FOREIGN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -4907.1 |
| TOTAL IMPORTS | 6308.0 | 17063.2 | 9271.9 | 126192.1 | 13183.8 | 1161.5 | -558791.8 | -585301.8 | -4905.6 |
| 84.TOTAL PURCHS | 38684.9 | 270430.4 | 1589020.0 | 221573.4 | 63726.5 | -74963.9 | 305477.8 | 46465.2 | 6415.6 |

TRANSACTIONS TABLE FOR THE NORTHEAST TEXAS ECONOMY, 1967
 (ALL VALUES IN THOUSANDS OF DOLLARS AT PRODUCERS' PRICES)

| | CAPITAL FORMATION | NET INV CHANGE | TOTAL INTER- MEDIATE SALES | TOTAL OUTPUTS |
|-----------------|----------------------|-------------------|-------------------------------|---------------|
| 1.IRR-CROPS | 0.0 | -378.0 | 646.5 | 6800.0 |
| 2.DRYLAND COT | 226.9 | -2938.0 | 132.1 | 7500.0 |
| 3.OTHER DRYLND | 764.9 | -76.5 | 18746.9 | 28800.0 |
| 4.RANGE L.S. | 1416.9 | 0.0 | 5156.8 | 77699.6 |
| 5.FEEDLOT L.S. | 0.0 | 872.6 | 3527.4 | 4400.0 |
| 6.DAIRY | 0.0 | -740.4 | 18917.1 | 36899.9 |
| 7.POULTRY EGGS | 0.0 | -0.5 | 20633.2 | 20679.9 |
| 8.FORESTRY | 0.0 | 0.0 | 1267.8 | 5708.6 |
| 9.AG SUPPLY | 0.0 | 0.0 | 1912.7 | 1913.0 |
| 10.GINNING | 0.0 | 0.0 | 405.0 | 405.0 |
| 11.AG SERVICES | 0.0 | 0.0 | 7561.6 | 7878.0 |
| 12.CRUDE PETRO | 0.0 | 0.0 | 98337.4 | 470233.2 |
| 13.NAT GAS LIQ | 228.8 | 0.0 | 2833.1 | 63151.9 |
| 14.OIL GAS SER | 0.0 | -47.0 | 9210.6 | 29999.9 |
| 15.CONST HOME | 30172.2 | 0.0 | 0.0 | 37860.9 |
| 16.CONST COMM | 35988.9 | 0.0 | 108.2 | 50092.8 |
| 17.CONST FACIL | 56183.5 | 0.0 | 318.8 | 97897.8 |
| 18.CONST REPAIR | 14.6 | 0.0 | 16235.0 | 16503.6 |
| 19.MEAT PROD | 0.0 | 54.4 | 8864.6 | 57577.3 |
| 20.DAIRIES | 0.0 | -19.7 | 11122.3 | 21160.7 |
| 21.MILLS | 0.0 | 158.9 | 16775.8 | 23722.5 |
| 22.BAKERY | 0.0 | 120.3 | 5277.9 | 10321.8 |
| 23.FOOD CAN FZN | 0.0 | 0.0 | 9356.9 | 62579.5 |
| 24.OTHER FOOD | 0.0 | -44.9 | 1375.6 | 23044.6 |
| 25.BEVERAGE | 0.0 | 1043.1 | 434.8 | 36819.1 |
| 26.APPAREL | 0.0 | 2957.6 | 587.7 | 51314.7 |
| 27.LOGS | 0.0 | 0.0 | 4023.1 | 4570.0 |
| 28.LUMBER | 19.2 | 50.7 | 15411.2 | 16754.9 |
| 29.MILL WORK | 26.8 | 3782.8 | 6372.9 | 32621.7 |
| 30.FURNITURE | 0.0 | -352.5 | 1272.6 | 11726.6 |
| 31.PAPER PROD | 0.0 | -931.9 | 9140.8 | 13359.0 |
| 32.PRINT PUB | 0.0 | 0.0 | 5669.1 | 11139.9 |
| 33.OTHER PRINT | 0.0 | 66.0 | 1918.6 | 8688.7 |
| 34.CHEM PET PRO | 186.3 | 1129.7 | 64829.4 | 309855.1 |
| 35.AG CHEM | 0.0 | 0.0 | 400.6 | 2208.1 |
| 36.GLASS | 0.0 | 12837.7 | 1412.3 | 14250.0 |
| 37.CLAY | 14.5 | -91.1 | 4871.6 | 24367.0 |
| 38.STONE | 0.0 | 4.4 | 2846.2 | 3184.0 |
| 39.CEMENT | 0.0 | 213.4 | 3478.9 | 14682.8 |
| 40.FOUNDRIES | 5599.6 | 50.1 | 62475.5 | 176127.6 |
| 41.FABRICAT MET | 0.0 | -37.5 | 3113.0 | 17059.0 |
| 42.PLATE WORK | 348.2 | 750.1 | 34.1 | 25986.8 |
| 43.SHEET METAL | 2.9 | 32.3 | 916.2 | 1435.0 |
| 44.METAL DOOR | 0.0 | 0.0 | 142.8 | 3030.0 |
| 45.OTHER METAL | 5.3 | 671.0 | 11778.8 | 30256.7 |
| 46.INDUST MACH | 9778.6 | 496.8 | 8589.4 | 100307.0 |
| 47.SERVIC MACH | 0.0 | 0.0 | 170.1 | 4820.0 |
| 48.ELECT MACH | 6108.5 | -913.7 | 1859.5 | 40935.9 |
| 49.TRANS MACH | 733.3 | 136.5 | 1962.7 | 33228.7 |
| 50.SCIENC-EQUIP | 254.0 | 0.0 | 1386.0 | 1640.0 |
| 51.GAME TOY | 0.0 | 46.7 | 14.6 | 8927.4 |
| 52.OTHER MFG | 145.5 | -0.9 | 1032.1 | 1861.8 |
| 53.ORDNANCE | 0.0 | -438.2 | 0.0 | 213159.7 |
| 54.RAIL | 0.0 | 0.0 | 19071.6 | 37199.0 |
| 55.MOTOR FREIGT | 0.7 | 0.0 | 24581.4 | 28536.1 |

| | | | | |
|------------------|-----------|---------|-----------|-----------|
| 56.PIPELINE | 0.0 | 0.0 | 365.9 | 38805.7 |
| 57.OTHER TRANS | 0.0 | 0.0 | 1730.2 | 2826.8 |
| 58.T AND T | 0.0 | 0.0 | 17147.0 | 40485.3 |
| 59.RADIO TV | 0.0 | 0.0 | 2553.0 | 5227.8 |
| 60.OTHER COMM | 0.0 | 0.0 | 300.0 | 449.9 |
| 61.GAS | 0.0 | 65.8 | 25977.5 | 56074.2 |
| 62.ELECTRICITY | 0.0 | 0.0 | 27285.6 | 53867.2 |
| 63.WATER | 0.1 | 0.0 | 5622.1 | 13109.9 |
| 64.WHSLE AG PRO | 0.0 | 0.0 | 781.3 | 13125.9 |
| 65.WHSLE LS | 0.0 | 0.0 | 503.9 | 1534.2 |
| 66.WHSLE GENRAL | 1656.1 | 0.0 | 33825.5 | 134251.5 |
| 67.RETL AG EQUIP | 1527.2 | 0.0 | 44.7 | 1876.1 |
| 68.RETL GENERAL | 11964.2 | 0.0 | 15267.4 | 267979.9 |
| 69.FIN-INS-REST | 92.4 | 0.0 | 71284.7 | 118243.4 |
| 70.LEGAL | 0.0 | 0.0 | 3493.7 | 11495.0 |
| 71.LODGING | 0.0 | 26.3 | 716.6 | 6981.0 |
| 72.PERSONAL SER | 0.0 | 45.9 | 1205.6 | 17474.0 |
| 73.BUSINESS SER | 0.0 | 0.6 | 37067.9 | 38690.4 |
| 74.ALL OTHR SER | 33.1 | 15.7 | 21208.7 | 270430.3 |
| INT.PURCHASES | 163492.6 | 18618.6 | 784899.8 | 3535777.0 |
| 75.DEPREC IATION | -307656.0 | 0.0 | 307657.3 | 1.3 |
| 76.WAGES | 0.0 | 0.0 | 969053.1 | 1589023.0 |
| 77.RESIDUAL INC | 0.0 | 0.0 | 297653.8 | 38836.0 |
| 78.FED GVT | 0.0 | 0.0 | 115889.1 | 290897.1 |
| 79.STATE GVT | 0.0 | 0.0 | 37270.8 | 85476.4 |
| 80.LOCAL GVT | 0.0 | 0.0 | 31830.4 | 35576.1 |
| VALUE CREATED | -307656.0 | 0.0 | 1759352.0 | 2039808.0 |
| 81.TEXAS IMPORT | 1447.3 | 0.0 | 471414.6 | 1.4 |
| 82.IMPORTS USA | 6191.6 | 0.0 | 515231.8 | 1.1 |
| 83.IMP FOREIGN | 8.5 | 0.0 | 4898.6 | -0.0 |
| TOTAL IMPORTS | 7647.4 | 0.0 | 991545.0 | 2.4 |
| 84.TOTAL PURCHS | -136516.0 | 18618.6 | 0.0 | 5575587.0 |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

Appendix Table 2

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00269 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00005 | 0.00011 |
| 2.DRYLAND COT | 0.00000 | 0.01761 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00000 | 0.00000 | 0.00134 | 0.16647 | 0.13106 | 0.06544 | 0.00000 | 0.00000 | 0.00000 |
| 4.RANGE L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00220 | 0.48097 | 0.00000 | 0.00220 | 0.00000 | 0.00000 |
| 5.FEEDLOT L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.01927 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 6.DAIRY | 0.00000 | 0.00000 | 0.00000 | 0.01225 | 0.00000 | 0.00786 | 0.00000 | 0.00000 | 0.00000 |
| 7.POULTRY EGGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.05594 | 0.00000 | 0.00000 |
| 8.FORESTRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 9.AG SUPPLY | 0.00397 | 0.00584 | 0.01012 | 0.00433 | 0.00169 | 0.00795 | 0.02354 | 0.00000 | 0.00000 |
| 10.GINNING | 0.00000 | 0.05400 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00625 | 0.01333 | 0.00160 | 0.00920 | 0.00306 | 0.02629 | 0.09969 | 0.00000 | 0.00000 |
| 12.CRUDE PETRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 13.NAT GAS LIQ | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 14.OIL GAS SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 18.CONST REPAIR | 0.01074 | 0.00667 | 0.00818 | 0.00965 | 0.00024 | 0.01006 | 0.02175 | 0.00000 | 0.00000 |
| 19.MEAT PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 20.DAIRIES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 21.MILLS | 0.00000 | 0.00000 | 0.00000 | 0.01599 | 0.06376 | 0.11972 | 0.48368 | 0.00000 | 0.00000 |
| 22.BAKERY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 23.FOOD CAN FZN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 24.OTHER FOOD | 0.00000 | 0.00000 | 0.00000 | 0.00892 | 0.04399 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 25.BEVERAGE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 26.APPAREL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 27.LOGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 28.LUMBER | 0.00000 | 0.00003 | 0.00002 | 0.00563 | 0.00012 | 0.00004 | 0.00053 | 0.00000 | 0.00000 |
| 29.MILL WORK | 0.00077 | 0.00001 | 0.02146 | 0.00230 | 0.00016 | 0.00131 | 0.00095 | 0.00000 | 0.00000 |
| 30.FURNITURE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00252 | 0.00000 |
| 31.PAPER PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.01162 | 0.00014 | 0.00054 |
| 32.PRINT PUB | 0.00003 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00065 |
| 33.OTHER PRINT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00005 | 0.00445 |
| 34.CHEM PET PRO | 0.02780 | 0.04088 | 0.03003 | 0.01597 | 0.00073 | 0.01638 | 0.00205 | 0.00850 | 0.01281 |
| 35.AG CHEM | 0.00104 | 0.00163 | 0.00117 | 0.00071 | 0.00000 | 0.00049 | 0.00001 | 0.00004 | 0.00000 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00000 | 0.00005 | 0.00005 | 0.00082 | 0.00000 | 0.00009 | 0.00012 | 0.00000 | 0.00000 |
| 38.STONE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 39.CEMENT | 0.00012 | 0.00009 | 0.00008 | 0.00137 | 0.00002 | 0.00015 | 0.00019 | 0.00000 | 0.00000 |
| 40.FOUNDRIES | 0.00046 | 0.00061 | 0.00103 | 0.00052 | 0.00000 | 0.00015 | 0.00018 | 0.00005 | 0.00011 |
| 41.FABRICAT MET | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 42.PLATE WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.00000 | 0.00049 | 0.00082 | 0.00042 | 0.00000 | 0.00012 | 0.00014 | 0.00044 | 0.00011 |
| 46.INDUST MACH | 0.00000 | 0.00000 | 0.00014 | 0.00010 | 0.00000 | 0.00001 | 0.00000 | 0.01596 | 0.00000 |
| 47.SERVIC MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 48.ELECT MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 49.TRANS MACH | 0.00037 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.02199 | 0.00000 |
| 50.SCIENC-EQUIP | 0.00016 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00110 | 0.00000 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00049 | 0.00002 | 0.00000 |
| 53.ORDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00095 | 0.00326 |
| 55.MOTOR FREIGT | 0.00000 | 0.00000 | 0.00000 | 0.00051 | 0.00000 | 0.05150 | 0.00150 | 0.00140 | 0.00369 |
| 56.PIPELINE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00019 | 0.00000 |
| 57.OTHER TRANS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00322 | 0.00000 |
| 58.T AND T | 0.00309 | 0.00133 | 0.00249 | 0.00270 | 0.00024 | 0.00282 | 0.00418 | 0.00000 | 0.00955 |

| | | | | | | | | | | |
|------------------|----------|---------|---------|---------|----------|---------|----------|---------|---------|---------|
| 59.RADIO TV | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 61.GAS | 0.00545 | 0.00000 | 0.00000 | 0.00000 | 0.00141 | 0.00136 | 0.00665 | 0.00005 | 0.00402 | 0.00402 |
| 62.ELECTRICITY | 0.00530 | 0.00133 | 0.00249 | 0.00270 | 0.00141 | 0.00379 | 0.01228 | 0.00000 | 0.02865 | 0.02865 |
| 63.WATER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00879 | 0.00879 |
| 64.WHSLE AG PRO | 0.00004 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00005 | 0.00056 | 0.00000 | 0.00006 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01600 | 0.02067 | 0.02948 | 0.01952 | 0.00449 | 0.01303 | 0.01856 | 0.00142 | 0.00781 | 0.00781 |
| 67.RETL AG EQUIP | 0.00068 | 0.00096 | 0.00059 | 0.00014 | 0.00002 | 0.00005 | 0.00006 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00955 | 0.00815 | 0.00792 | 0.00989 | 0.00019 | 0.01056 | 0.00950 | 0.00088 | 0.01118 | 0.01118 |
| 69.FIN-INS-REST | 0.05298 | 0.01933 | 0.03574 | 0.05225 | 0.00157 | 0.03714 | 0.04605 | 0.00112 | 0.03712 | 0.03712 |
| 70.LEGAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00163 | 0.00163 |
| 71.LODGING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 72.PERSONAL SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 73.BUSINESS SER | 0.00074 | 0.00000 | 0.00071 | 0.00064 | 0.00024 | 0.00000 | 0.00107 | 0.00023 | 0.00705 | 0.00705 |
| 74.ALL OTHR SER | 0.00309 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00379 | 0.00053 | 0.00000 | 0.00586 | 0.00586 |
| 75.DEPRECIATION | 0.09817 | 0.04853 | 0.05828 | 0.12587 | 0.01434 | 0.07400 | 0.07069 | 0.00000 | 0.10517 | 0.10517 |
| 76.WAGES | 0.47857 | 0.13067 | 0.18383 | 0.09537 | 0.01904 | 0.10466 | 0.06248 | 0.10335 | 0.49631 | 0.49631 |
| 77.RESIDUAL INC | -0.03660 | 0.34747 | 0.25249 | 0.07124 | -0.01598 | 0.10667 | -0.34445 | 0.17427 | 0.10061 | 0.10061 |
| 78.FED GVT | 0.04062 | 0.00533 | 0.01422 | 0.00644 | 0.00118 | 0.00729 | 0.00243 | 0.00384 | 0.02974 | 0.02974 |
| 79.STATE GVT | 0.00074 | 0.00000 | 0.00071 | 0.00064 | 0.00000 | 0.00073 | 0.00112 | 0.03145 | 0.00185 | 0.00185 |
| 80.LOCAL GVT | 0.05283 | 0.03067 | 0.03947 | 0.04685 | 0.00047 | 0.04825 | 0.07103 | 0.59766 | 0.01313 | 0.01313 |
| 81.TEXAS IMPORT | 0.10201 | 0.09400 | 0.11682 | 0.20056 | 0.01107 | 0.15149 | 0.08250 | 0.02663 | 0.08617 | 0.08617 |
| 82.IMPORTS USA | 0.11234 | 0.15031 | 0.17871 | 0.10776 | 0.21470 | 0.12678 | 0.25067 | 0.00249 | 0.01964 | 0.01964 |
| 83.IMP FOREIGN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

| | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00049 | 0.00032 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 4.RANGE L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 5.FEEDLOT L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 6.DAIRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00035 |
| 7.POULTRY EGGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 8.FORESTRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 9.AG SUPPLY | 0.00000 | 0.01110 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 10.GINNING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 12.CRUDE PETRO | 0.00000 | 0.00000 | 0.05604 | 0.17341 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 13.NAT GAS LIQ | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00036 | 0.00000 | 0.00033 | 0.00025 |
| 14.OIL GAS SER | 0.00000 | 0.00000 | 0.01896 | 0.00000 | 0.00973 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00009 | 0.00000 | 0.00000 | 0.00000 | 0.00094 | 0.00000 | 0.00015 |
| 17.CONST FACIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00373 | 0.00000 | 0.00131 |
| 18.CONST REPAIR | 0.11685 | 0.00000 | 0.00359 | 0.00000 | 0.00058 | 0.00058 | 0.00208 | 0.00008 | 0.00076 |
| 19.MEAT PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 |
| 20.DAIRIES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 21.MILLS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00003 | 0.00000 | 0.00000 |
| 22.BAKERY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 23.FOOD CAN FZN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00028 | 0.00000 | 0.00000 |
| 24.OTHER FOOD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00010 | 0.00000 | 0.00000 |
| 25.BEVERAGE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 26.APPAREL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00008 | 0.00002 | 0.00141 | 0.00004 | 0.00037 |
| 27.LOGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 28.LUMBER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.15530 | 0.04481 | 0.00000 | 0.08822 |
| 29.MILL WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00957 | 0.02277 | 0.00000 | 0.08212 |
| 30.FURNITURE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00023 | 0.00000 | 0.01147 |
| 31.PAPER PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00198 | 0.00188 | 0.00027 | 0.00093 |
| 32.PRINT PUB | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 33.OTHER PRINT | 0.00000 | 0.00000 | 0.00007 | 0.00000 | 0.00005 | 0.00000 | 0.00003 | 0.00000 | 0.00000 |
| 34.CHEM PET PRO | 0.01161 | 0.00571 | 0.01339 | 0.00200 | 0.01566 | 0.01958 | 0.04022 | 0.00882 | 0.03643 |
| 35.AG CHEM | 0.00000 | 0.00159 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.07190 | 0.02377 | 0.00496 | 0.01391 |
| 38.STONE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 39.CEMENT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.04282 | 0.00135 | 0.04020 |
| 40.FOUNDRIES | 0.00049 | 0.00032 | 0.00003 | 0.00686 | 0.00001 | 0.03023 | 0.05045 | 0.03297 | 0.04348 |
| 41.FABRICAT MET | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.01412 | 0.00928 | 0.00470 | 0.02497 |
| 42.PLATE WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00106 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00181 | 0.00809 | 0.00364 | 0.00018 |
| 44.METAL DDDR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00174 | 0.00000 | 0.00029 |
| 45.OTHER METAL | 0.00025 | 0.00000 | 0.00003 | 0.01806 | 0.00001 | 0.01840 | 0.06026 | 0.00948 | 0.01897 |
| 46.INDUST MACH | 0.00000 | 0.00000 | 0.00000 | 0.05346 | 0.00016 | 0.00962 | 0.01925 | 0.00462 | 0.00878 |
| 47.SERVIC MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00019 | 0.00000 | 0.00066 | 0.00025 | 0.00543 |
| 48.ELECT MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.01468 | 0.00443 | 0.00000 | 0.00749 |
| 49.TRANS MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00443 | 0.00208 | 0.00928 | 0.00141 |
| 50.SCIENC-EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00447 | 0.00000 | 0.00031 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00503 | 0.00521 | 0.00054 | 0.00013 |
| 53.ORDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00099 | 0.00008 |
| 55.MOTOR FREIGT | 0.02940 | 0.00032 | 0.00001 | 0.00000 | 0.00252 | 0.00023 | 0.00102 | 0.00178 | 0.00356 |
| 56.PIPELINE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 57.OTHER TRANS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00311 | 0.00000 | 0.00169 | 0.00000 | 0.00000 |
| 58.T AND T | 0.00667 | 0.00666 | 0.00357 | 0.00445 | 0.00349 | 0.00263 | 0.00323 | 0.00458 | 0.00361 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00004 | 0.00000 | 0.00034 | 0.00000 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00004 | 0.00033 | 0.00027 | 0.00008 |
| 61.GAS | 0.00939 | 0.00127 | 0.00015 | 0.00000 | 0.00167 | 0.00121 | 0.00040 | 0.00054 | 0.00053 |
| 62.ELECTRICITY | 0.06522 | 0.00634 | 0.00234 | 0.00000 | 0.00225 | 0.00165 | 0.00083 | 0.00095 | 0.00148 |
| 63.WATER | 0.00025 | 0.00349 | 0.00013 | 0.00000 | 0.00105 | 0.01875 | 0.00040 | 0.00057 | 0.00055 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01408 | 0.00666 | 0.01760 | 0.00363 | 0.01252 | 0.02190 | 0.00638 | 0.00979 | 0.00229 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00642 | 0.00856 | 0.00102 | 0.02908 | 0.00131 | 0.00845 | 0.00421 | 0.01574 | 0.00715 |
| 69.FIN-INS-REST | 0.06670 | 0.01871 | 0.00602 | 0.00115 | 0.02229 | 0.04127 | 0.03643 | 0.01310 | 0.01468 |
| 70.LEGAL | 0.00000 | 0.00000 | 0.00140 | 0.00000 | 0.00044 | 0.00524 | 0.00096 | 0.00137 | 0.00152 |
| 71.LODGING | 0.00000 | 0.00000 | 0.00049 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 72.PERSONAL SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00100 | 0.00015 | 0.00005 | 0.00005 | 0.00022 |
| 73.BUSINESS SER | 0.02396 | 0.00634 | 0.02067 | 0.04851 | 0.00119 | 0.00614 | 0.04370 | 0.03757 | 0.00310 |
| 74.ALL OTHR SER | 0.01729 | 0.01966 | 0.00123 | 0.00000 | 0.00387 | 0.00484 | 0.01302 | 0.00448 | 0.00381 |
| 75.DEPRECIATION | 0.18454 | 0.03140 | 0.31386 | 0.16499 | 0.07936 | 0.00000 | 0.01265 | 0.01494 | 0.02373 |
| 76.WAGES | 0.33572 | 0.40374 | 0.15316 | 0.23726 | 0.35701 | 0.39434 | 0.38383 | 0.01211 | 0.41392 |
| 77.RESIDUAL INC | 0.00000 | 0.17349 | 0.11423 | 0.10312 | 0.04556 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 78.FED GVT | 0.02001 | 0.01840 | 0.05372 | 0.00775 | 0.01948 | 0.01117 | 0.04748 | 0.01148 | 0.01878 |
| 79.STATE GVT | 0.00618 | 0.00444 | 0.03426 | 0.00000 | 0.01708 | 0.00226 | 0.00550 | 0.00387 | 0.00492 |
| 80.LOCAL GVT | 0.01285 | 0.00539 | 0.00611 | 0.00050 | 0.00245 | 0.00041 | 0.00125 | 0.00030 | 0.00289 |
| 81.TEXAS IMPORT | 0.05287 | 0.19791 | 0.13469 | 0.07282 | 0.24097 | 0.02763 | 0.03879 | 0.29630 | 0.01986 |
| 82.IMPORTS USA | 0.01878 | 0.06819 | 0.04316 | 0.07295 | 0.15490 | 0.09406 | 0.04671 | 0.48756 | 0.07563 |
| 83.IMP FOREIGN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00008 | 0.00000 | 0.00864 |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

| | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00006 | 0.00007 | 0.00803 | 0.00004 | 0.00686 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00000 | 0.00000 | 0.11701 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 4.RANGE L.S. | 0.04875 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 5.FEEDLOT L.S. | 0.05979 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 6.DAIRY | 0.00000 | 0.83502 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 7.POULTRY EGGS | 0.33826 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 8.FORESTRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.27742 |
| 9.AG SUPPLY | 0.00000 | 0.00000 | 0.00055 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 10.GINNING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.05914 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 12.CRUDE PETRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 13.NAT GAS LIQ | 0.00002 | 0.00000 | 0.00000 | 0.00004 | 0.00000 | 0.00000 | 0.00014 | 0.00000 | 0.00000 |
| 14.OIL GAS SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 18.CONST REPAIR | 0.00314 | 0.00000 | 0.00000 | 0.00550 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 19.MEAT PROD | 0.00135 | 0.00000 | 0.00000 | 0.00000 | 0.00063 | 0.00029 | 0.00000 | 0.00000 | 0.00000 |
| 20.DAIRIES | 0.00000 | 0.00908 | 0.00000 | 0.00000 | 0.00000 | 0.01861 | 0.00000 | 0.00000 | 0.00000 |
| 21.MILLS | 0.00001 | 0.00000 | 0.03254 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 22.BAKERY | 0.00000 | 0.00000 | 0.00000 | 0.00928 | 0.00000 | 0.00161 | 0.00000 | 0.00000 | 0.00000 |
| 23.FOOD CAN FZN | 0.00001 | 0.00000 | 0.00000 | 0.00064 | 0.00000 | 0.00038 | 0.00000 | 0.00000 | 0.00000 |
| 24.OTHER FOOD | 0.00114 | 0.00000 | 0.00146 | 0.00002 | 0.00001 | 0.00002 | 0.00000 | 0.00000 | 0.00000 |
| 25.BEVERAGE | 0.00000 | 0.00000 | 0.01352 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 26.APPAREL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 27.LOGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.24701 |
| 28.LUMBER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00000 | 0.00000 |
| 29.MILL WORK | 0.03563 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 30.FURNITURE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 31.PAPER PROD | 0.00068 | 0.00000 | 0.00000 | 0.00062 | 0.04792 | 0.00011 | 0.00000 | 0.00024 | 0.00000 |
| 32.PRINT PUB | 0.00003 | 0.00006 | 0.00026 | 0.00064 | 0.00000 | 0.00000 | 0.00000 | 0.00016 | 0.00015 |
| 33.OTHER PRINT | 0.00003 | 0.00000 | 0.00003 | 0.00000 | 0.00013 | 0.00000 | 0.00000 | 0.00002 | 0.00000 |
| 34.CHEM PET PRO | 0.00028 | 0.00068 | 0.00510 | 0.01152 | 0.00819 | 0.01204 | 0.00897 | 0.00016 | 0.00999 |
| 35.AG CHEM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00076 | 0.05859 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00001 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00001 | 0.00000 |
| 38.STONE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 39.CEMENT | 0.00001 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00006 | 0.00014 | 0.00001 | 0.00000 |
| 40.FOUNDRIES | 0.00002 | 0.00002 | 0.00000 | 0.00002 | 0.00000 | 0.00000 | 0.00555 | 0.00002 | 0.00000 |
| 41.FABRICAT MET | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 42.PLATE WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 44.METAL DODR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.00002 | 0.00002 | 0.00000 | 0.00002 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 |
| 46.INDUST MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 47.SERVIC MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 48.ELECT MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 49.TRANS MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 50.SCIENC-EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 53.ORDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00000 | 0.00000 | 0.00221 | 0.00000 | 0.00016 | 0.00602 | 0.00000 | 0.00003 | 0.00000 |
| 55.MOTOR FREIGT | 0.00504 | 0.00035 | 0.01440 | 0.00520 | 0.04828 | 0.00021 | 0.00100 | 0.00674 | 0.00000 |
| 56.PIPELINE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 57.OTHER TRANS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 58.T AND T | 0.00107 | 0.00087 | 0.00247 | 0.00289 | 0.00245 | 0.00262 | 0.00470 | 0.00173 | 0.00321 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00006 | 0.00004 | 0.00065 | 0.00044 | 0.00000 | 0.00000 | 0.00868 | 0.00000 | 0.00000 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00000 | 0.00683 | 0.00000 | 0.00000 |
| 61.GAS | 0.00098 | 0.00089 | 0.00068 | 0.00209 | 0.00183 | 0.00136 | 0.00185 | 0.00037 | 0.00000 |
| 62.ELECTRICITY | 0.00238 | 0.00213 | 0.00618 | 0.00578 | 0.00416 | 0.00367 | 0.00541 | 0.00258 | 0.00000 |
| 63.WATER | 0.00181 | 0.00048 | 0.00033 | 0.00058 | 0.00060 | 0.00067 | 0.00512 | 0.00035 | 0.00000 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.00138 | 0.00075 | 0.00192 | 0.00857 | 0.00516 | 0.00367 | 0.00512 | 0.00040 | 0.00559 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00123 | 0.00079 | 0.00231 | 0.00151 | 0.00006 | 0.00055 | 0.00697 | 0.00010 | 0.00865 |
| 69.FIN-INS-REST | 0.00381 | 0.00172 | 0.01232 | 0.01004 | 0.01957 | 0.01080 | 0.02860 | 0.00599 | 0.02250 |
| 70.LEGAL | 0.00005 | 0.00000 | 0.00013 | 0.00056 | 0.00048 | 0.00046 | 0.00000 | 0.00000 | 0.00054 |
| 71.LODGING | 0.00001 | 0.00006 | 0.00081 | 0.00000 | 0.00024 | 0.00048 | 0.00370 | 0.00000 | 0.00000 |
| 72.PERSONAL SER | 0.00018 | 0.00000 | 0.00000 | 0.00022 | 0.00000 | 0.00000 | 0.00199 | 0.00000 | 0.00000 |
| 73.BUSINESS SER | 0.00152 | 0.00026 | 0.00332 | 0.00096 | 0.02265 | 0.00063 | 0.00000 | 0.00067 | 0.08703 |
| 74.ALL OTHR SER | 0.00195 | 0.00014 | 0.00517 | 0.00628 | 0.00543 | 0.00938 | 0.03330 | 0.00322 | 0.00470 |
| 75.DEPRECIATION | 0.00497 | 0.00641 | 0.01450 | 0.03294 | 0.00767 | 0.01120 | 0.02803 | 0.00571 | 0.04258 |
| 76.WAGES | 0.09005 | 0.02873 | 0.07804 | 0.37367 | 0.10403 | 0.10385 | 0.26911 | 0.29159 | 0.15097 |
| 77.RESIDUAL INC | 0.05866 | 0.02146 | 0.03221 | 0.01506 | 0.11170 | 0.04200 | 0.01366 | 0.06063 | 0.01592 |
| 78.FED GVT | 0.01134 | 0.00355 | 0.00754 | 0.02921 | 0.02194 | 0.01771 | 0.01309 | 0.01401 | 0.01202 |
| 79.STATE GVT | 0.00096 | 0.00147 | 0.00107 | 0.00217 | 0.01619 | 0.00487 | 0.00342 | 0.00166 | 0.00781 |
| 80.LOCAL GVT | 0.00037 | 0.00052 | 0.00098 | 0.00375 | 0.00112 | 0.00036 | 0.00270 | 0.00088 | 0.00059 |
| 81.TEXAS IMPORT | 0.07537 | 0.02465 | 0.34681 | 0.34314 | 0.13979 | 0.17954 | 0.28504 | 0.00978 | 0.02230 |
| 82.IMPORTS USA | 0.18843 | 0.05975 | 0.28746 | 0.12656 | 0.42198 | 0.50821 | 0.24619 | 0.59253 | 0.08100 |
| 83.IMP FOREIGN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.01067 | 0.00043 | 0.00000 |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00000 |
| 4.RANGE L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 5.FEEDLOT L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 6.DAIRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 7.POULTRY EGGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 8.FORESTRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 9.AG SUPPLY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 10.GINNING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.01198 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 12.CRUDE PETRO | 0.00000 | 0.00000 | 0.01402 | 0.00000 | 0.00000 | 0.00000 | 0.03244 | 0.00000 | 0.00000 |
| 13.NAT GAS LIQ | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00888 | 0.00000 | 0.00000 |
| 14.OIL GAS SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00017 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00627 |
| 18.CONST REPAIR | 0.00000 | 0.00000 | 0.00000 | 0.00086 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00000 |
| 19.MEAT PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 20.DAIRIES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 21.MILLS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 22.BAKERY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 23.FOOD CAN FZN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 24.OTHER FOOD | 0.00005 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 25.BEVERAGE | 0.00000 | 0.00000 | 0.00000 | 0.00043 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 26.APPAREL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00000 |
| 27.LOGS | 0.15138 | 0.00221 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 28.LUMBER | 0.14374 | 0.07800 | 0.00380 | 0.01581 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 29.MILL WORK | 0.00000 | 0.00000 | 0.02112 | 0.00000 | 0.00000 | 0.00000 | 0.00054 | 0.00000 | 0.00000 |
| 30.FURNITURE | 0.00000 | 0.00000 | 0.00022 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 31.PAPER PROD | 0.00000 | 0.00099 | 0.00000 | 0.00146 | 0.00000 | 0.00937 | 0.00076 | 0.00000 | 0.13959 |
| 32.PRINT PUB | 0.00020 | 0.00014 | 0.00005 | 0.00000 | 0.00043 | 0.00019 | 0.00003 | 0.00000 | 0.00000 |
| 33.OTHER PRINT | 0.00000 | 0.00156 | 0.00124 | 0.00000 | 0.02454 | 0.00684 | 0.00002 | 0.00000 | 0.00000 |
| 34.CHEM PET PRD | 0.00414 | 0.00204 | 0.00098 | 0.00717 | 0.00621 | 0.00094 | 0.07072 | 0.00255 | 0.02192 |
| 35.AG CHEM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00005 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 38.STONE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 39.CEMENT | 0.00005 | 0.00001 | 0.00002 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 40.FOUNDRIES | 0.00015 | 0.00003 | 0.00007 | 0.00002 | 0.00000 | 0.00206 | 0.00004 | 0.00000 | 0.00040 |
| 41.FABRICAT MET | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 42.PLATE WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.00015 | 0.00002 | 0.00005 | 0.00000 | 0.00000 | 0.00169 | 0.00023 | 0.00000 | 0.00031 |
| 46.INDUST MACH | 0.00000 | 0.00038 | 0.00124 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 47.SERVIC MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 48.ELECT MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 49.TRANS MACH | 0.00000 | 0.00031 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 50.SCIENC-EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00020 | 0.00000 | 0.00000 |
| 53.ORDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00000 | 0.01361 | 0.00618 | 0.00000 | 0.00203 | 0.00000 | 0.00486 | 0.01579 | 0.00180 |
| 55.MOTOR FREIGT | 0.00045 | 0.00522 | 0.00808 | 0.03224 | 0.00082 | 0.00300 | 0.00762 | 0.00000 | 0.05759 |
| 56.PIPELINE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00118 | 0.00000 | 0.00000 |
| 57.OTHER TRANS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00005 | 0.00000 | 0.00000 |
| 58.T AND T | 0.00220 | 0.00999 | 0.00534 | 0.00232 | 0.00673 | 0.00459 | 0.00209 | 0.00437 | 0.00288 |

| | | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 61.GAS | 0.00160 | 0.00226 | 0.00472 | 0.00246 | 0.00147 | 0.00150 | 0.03627 | 0.00061 | 0.02070 | |
| 62.ELECTRICITY | 0.01537 | 0.00823 | 0.00576 | 0.00574 | 0.00500 | 0.00721 | 0.01267 | 0.00049 | 0.01382 | |
| 63.WATER | 0.00005 | 0.00034 | 0.00064 | 0.00000 | 0.00216 | 0.00066 | 0.00118 | 0.00024 | 0.00145 | |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | |
| 66.WHSLE GENRAL | 0.00724 | 0.00197 | 0.00189 | 0.00043 | 0.00108 | 0.05575 | 0.00257 | 0.00219 | 0.01047 | |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | |
| 68.RETL GENERAL | 0.00853 | 0.00059 | 0.00131 | 0.00027 | 0.00121 | 0.00037 | 0.00022 | 0.00000 | 0.00000 | |
| 69.FIN-INS-REST | 0.02600 | 0.01477 | 0.02005 | 0.00696 | 0.01484 | 0.01434 | 0.01309 | 0.01664 | 0.00000 | |
| 70.LEGAL | 0.00005 | 0.00021 | 0.00035 | 0.00015 | 0.00026 | 0.00000 | 0.00004 | 0.00121 | 0.00000 | |
| 71.LODGING | 0.00000 | 0.00000 | 0.00038 | 0.00000 | 0.00147 | 0.00000 | 0.00002 | 0.00000 | 0.00095 | |
| 72.PERSONAL SER | 0.00000 | 0.00000 | 0.00000 | 0.00053 | 0.00004 | 0.00009 | 0.00000 | 0.00000 | 0.00000 | |
| 73.BUSINESS SER | 0.00210 | 0.00260 | 0.00968 | 0.00368 | 0.02152 | 0.00450 | 0.00267 | 0.00061 | 0.00007 | |
| 74.ALL OTHR SER | 0.04627 | 0.00094 | 0.00381 | 0.00402 | 0.35195 | 0.00440 | 0.00000 | 0.00000 | 0.00661 | |
| 75.DEPRECIATION | 0.02985 | 0.04906 | 0.01933 | 0.02301 | 0.01807 | 0.03036 | 0.03617 | 0.03523 | 0.05915 | |
| 76.WAGES | 0.29901 | 0.26750 | 0.32692 | 0.15647 | 0.29282 | 0.26843 | 0.21347 | 0.11054 | 0.34408 | |
| 77.RESIDUAL INC | 0.10247 | 0.03443 | 0.05175 | 0.07554 | 0.06258 | 0.19732 | 0.07489 | 0.04738 | 0.00352 | |
| 78.FED GVT | 0.03289 | 0.03301 | 0.01235 | 0.03055 | 0.04382 | 0.04338 | 0.02676 | 0.00705 | 0.01544 | |
| 79.STATE GVT | 0.00374 | 0.00303 | 0.00140 | 0.00072 | 0.00505 | 0.00750 | 0.01315 | 0.00109 | 0.00213 | |
| 80.LOCAL GVT | 0.00030 | 0.00220 | 0.00176 | 0.00318 | 0.00207 | 0.00000 | 0.00551 | 0.00255 | 0.01332 | |
| 81.TEXAS IMPORT | 0.09463 | 0.07718 | 0.05656 | 0.06774 | 0.08376 | 0.17483 | 0.25375 | 0.44461 | 0.15489 | |
| 82.IMPORTS USA | 0.01537 | 0.38443 | 0.41895 | 0.55823 | 0.03770 | 0.16069 | 0.17784 | 0.30685 | 0.12263 | |
| 83.IMP FOREIGN | 0.00000 | 0.00276 | 0.00000 | 0.00000 | 0.01221 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

| | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 4.RANGE L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 5.FEEDLOT L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 6.DAIRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 7.POULTRY EGGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 8.FORESTRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 9.AG SUPPLY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 10.GINNING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 12.CRUDE PETRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00519 | 0.00000 |
| 13.NAT GAS LIQ | 0.00000 | 0.00007 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 |
| 14.OIL GAS SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 18.CONST REPAIR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00014 | 0.00000 | 0.00000 | 0.00000 |
| 19.MEAT PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 20.DAIRIES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 21.MILLS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 22.BAKERY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 23.FOOD CAN FZN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 24.OTHER FOOD | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 25.BEVERAGE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 26.APPAREL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 27.LOGS | 0.00000 | 0.00000 | 0.00000 | 0.00004 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 28.LUMBER | 0.00000 | 0.00000 | 0.00000 | 0.00011 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 29.MILL WORK | 0.00000 | 0.00000 | 0.00000 | 0.00004 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 30.FURNITURE | 0.00000 | 0.00021 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 31.PAPER PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00757 |
| 32.PRINT PUB | 0.00054 | 0.00000 | 0.00079 | 0.00000 | 0.00000 | 0.00000 | 0.00160 | 0.00000 | 0.00002 |
| 33.OTHER PRINT | 0.00008 | 0.00000 | 0.00004 | 0.00001 | 0.00000 | 0.00133 | 0.00000 | 0.00000 | 0.00002 |
| 34.CHEM PET PRO | 0.00158 | 0.07918 | 0.01255 | 0.00358 | 0.00037 | 0.00000 | 0.00319 | 0.00000 | 0.00732 |
| 35.AG CHEM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00389 | 0.00000 | 0.00004 | 0.00028 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 38.STONE | 0.02967 | 0.02678 | 0.03694 | 0.00001 | 0.00003 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 39.CEMENT | 0.00000 | 0.03790 | 0.00004 | 0.00039 | 0.00000 | 0.00000 | 0.11967 | 0.00000 | 0.00000 |
| 40.FOUNDRIES | 0.00002 | 0.01098 | 0.00000 | 0.00159 | 0.00194 | 0.00000 | 0.00000 | 0.00000 | 0.00145 |
| 41.FABRICAT MET | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00056 | 0.00867 | 0.00000 | 0.00000 | 0.00067 |
| 42.Plate WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00057 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.00001 | 0.01174 | 0.00000 | 0.00000 | 0.00013 | 0.00000 | 0.00000 | 0.00000 | 0.00660 |
| 46.INDUST MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00212 |
| 47.SERVIC MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 48.ELECT MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 49.TRANS MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 50.SCIENC-EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 53.ORDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00000 | 0.04805 | 0.06775 | 0.05717 | 0.01227 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 55.MOTOR FREIGT | 0.04358 | 0.00601 | 0.00949 | 0.01655 | 0.00681 | 0.01665 | 0.01915 | 0.01299 | 0.02179 |
| 56.PIPELINE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 57.OTHER TRANS | 0.00000 | 0.00014 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 58.T AND T | 0.00459 | 0.00711 | 0.00481 | 0.00403 | 0.00337 | 0.00000 | 0.00718 | 0.02338 | 0.00422 |

| | | | | | | | | | | |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00000 | 0.00000 | 0.00061 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 61.GAS | 0.04185 | 0.00545 | 0.00074 | 0.00152 | 0.00137 | 0.00323 | 0.00080 | 0.00260 | 0.00109 | 0.00109 |
| 62.ELECTRICITY | 0.02080 | 0.00538 | 0.00179 | 0.00444 | 0.00459 | 0.01140 | 0.00479 | 0.00260 | 0.00615 | 0.00615 |
| 63.WATER | 0.00061 | 0.00048 | 0.00192 | 0.00004 | 0.00072 | 0.00165 | 0.00040 | 0.00260 | 0.00026 | 0.00026 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.00129 | 0.00497 | 0.00411 | 0.00992 | 0.00897 | 0.00734 | 0.00399 | 0.00260 | 0.00920 | 0.00920 |
| 67.RETL AG EQUP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00033 | 0.00179 | 0.00472 | 0.00121 | 0.00046 | 0.00956 | 0.00239 | 0.00000 | 0.00160 | 0.00160 |
| 69.FIN-INS-REST | 0.01864 | 0.02147 | 0.01906 | 0.00740 | 0.02074 | 0.01222 | 0.10331 | 0.00519 | 0.01356 | 0.01356 |
| 70.LEGAL | 0.00070 | 0.00000 | 0.00184 | 0.00006 | 0.00085 | 0.00019 | 0.00080 | 0.00000 | 0.00005 | 0.00005 |
| 71.LODGING | 0.00053 | 0.00000 | 0.00004 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 72.PERSONAL SER | 0.00001 | 0.00000 | 0.00013 | 0.00000 | 0.00000 | 0.00000 | 0.00239 | 0.00000 | 0.00000 | 0.00000 |
| 73.BUSINESS SER | 0.00290 | 0.00041 | 0.00594 | 0.00002 | 0.00083 | 0.00000 | 0.00000 | 0.08052 | 0.00203 | 0.00203 |
| 74.ALL OTHR SER | 0.02621 | 0.06151 | 0.00629 | 0.00055 | 0.00196 | 0.00076 | 0.00399 | 0.00779 | 0.02764 | 0.02764 |
| 75.DEPRECIATION | 0.00600 | 0.00614 | 0.04314 | 0.04057 | 0.02372 | 0.02121 | 0.01835 | 0.00000 | 0.00725 | 0.00725 |
| 76.WAGES | 0.40624 | 0.13951 | 0.01818 | 0.28238 | 0.21226 | 0.31098 | 0.36338 | 0.02597 | 0.26635 | 0.26635 |
| 77.RESIDUAL INC | 0.10927 | 0.12377 | 0.10911 | 0.11680 | 0.07065 | 0.13688 | 0.04348 | 0.21039 | 0.10424 | 0.10424 |
| 78.FED GVT | 0.06306 | 0.04411 | 0.01578 | 0.01716 | 0.04243 | 0.01494 | 0.01556 | 0.03117 | 0.05876 | 0.05876 |
| 79.STATE GVT | 0.05706 | 0.00242 | 0.01171 | 0.00486 | 0.00217 | 0.00487 | 0.00279 | 0.03377 | 0.00530 | 0.00530 |
| 80.LOCAL GVT | 0.00336 | 0.00449 | 0.00503 | 0.00342 | 0.00239 | 0.00361 | 0.00120 | 0.00519 | 0.01053 | 0.01053 |
| 81.TEXAS IMPORT | 0.05838 | 0.33591 | 0.58216 | 0.16732 | 0.21245 | 0.36834 | 0.26845 | 0.23377 | 0.03265 | 0.03265 |
| 82.IMPORTS USA | 0.09881 | 0.01401 | 0.03523 | 0.25850 | 0.36783 | 0.06559 | 0.01316 | 0.28052 | 0.40156 | 0.40156 |
| 83.IMP FOREIGN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.03377 | 0.00000 | 0.00000 |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

| | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 4.RANGE L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 5.FEEDLOT L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 6.DAIRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 7.PDLTRY EGGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 8.FORESTRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 9.AG SUPPLY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 10.GINNING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 12.CRUDE PETRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 13.NAT GAS LIQ | 0.00000 | 0.00000 | 0.00008 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 14.OIL GAS SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00267 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00005 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 18.CONST REPAIR | 0.00046 | 0.00000 | 0.01228 | 0.00000 | 0.00000 | 0.00000 | 0.00097 | 0.00000 | 0.08894 |
| 19.MEAT PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.08782 | 0.00000 | 0.00000 |
| 20.DAIRIES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 21.MILLS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 22.BAKERY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 23.FOOD CAN FZN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 24.OTHER FOOD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00036 | 0.00000 | 0.00166 |
| 25.BEVERAGE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 26.APPAREL | 0.00173 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 27.LOGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00545 | 0.00000 | 0.00000 |
| 28.LUMBER | 0.00036 | 0.00000 | 0.00000 | 0.00097 | 0.00000 | 0.00000 | 0.01296 | 0.00000 | 0.00000 |
| 29.MILL WORK | 0.00009 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.08301 | 0.00000 | 0.00000 |
| 30.FURNITURE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 31.PAPER PROD | 0.00008 | 0.00000 | 0.00123 | 0.00000 | 0.00000 | 0.00000 | 0.00388 | 0.00000 | 0.00000 |
| 32.PRINT PUB | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00475 | 0.00618 | 0.00000 | 0.00000 |
| 33.OTHER PRINT | 0.00020 | 0.00000 | 0.00000 | 0.00097 | 0.00000 | 0.00066 | 0.00248 | 0.00000 | 0.00138 |
| 34.CHEM PET PRD | 0.04628 | 0.00005 | 0.01073 | 0.00070 | 0.00276 | 0.00000 | 0.00094 | 0.00092 | 0.02823 |
| 35.AG CHEM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00000 | 0.00000 | 0.00000 | 0.00058 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 38.STONE | 0.00002 | 0.00000 | 0.00000 | 0.00003 | 0.00000 | 0.00011 | 0.00000 | 0.00000 | 0.00000 |
| 39.CEMENT | 0.00000 | 0.00000 | 0.00000 | 0.00096 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 40.FOUNDRIES | 0.00776 | 0.00021 | 0.00090 | 0.00006 | 0.00000 | 0.00000 | 0.00042 | 0.24207 | 0.01355 |
| 41.FABRICAT MET | 0.00562 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00121 | 0.00000 | 0.01115 |
| 42.PLATE WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00083 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.04109 | 0.03083 | 0.00377 | 0.01800 | 0.00000 | 0.00006 | 0.00245 | 0.00000 | 0.00014 |
| 46.INDUST MACH | 0.01403 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00543 |
| 47.SERVIC MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 48.ELECT MACH | 0.00167 | 0.00000 | 0.00082 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00107 |
| 49.TRANS MACH | 0.00002 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00598 |
| 50.SCIENC-EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 53.DRDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00018 | 0.00000 | 0.00000 | 0.00142 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.04629 |
| 55.MOTOR FREIGT | 0.01131 | 0.00117 | 0.00491 | 0.00343 | 0.00000 | 0.00409 | 0.01650 | 0.00478 | 0.00756 |
| 56.PIPELINE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 57.OTHER TRANS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.01068 |
| 58.T AND T | 0.00233 | 0.00731 | 0.00721 | 0.00604 | 0.00551 | 0.00254 | 0.00482 | 0.00153 | 0.00000 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.01042 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 61.GAS | 0.00095 | 0.00181 | 0.00049 | 0.00061 | 0.00015 | 0.00077 | 0.00139 | 0.00378 | 0.00119 |
| 62.ELECTRICITY | 0.00328 | 0.00757 | 0.00843 | 0.00167 | 0.00261 | 0.00348 | 0.00630 | 0.01681 | 0.00251 |
| 63.WATER | 0.00034 | 0.00043 | 0.00049 | 0.00026 | 0.00015 | 0.00028 | 0.00394 | 0.00042 | 0.00322 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01078 | 0.00923 | 0.03087 | 0.00190 | 0.00334 | 0.00017 | 0.01223 | 0.00024 | 0.00477 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00123 | 0.00293 | 0.00123 | 0.00227 | 0.00073 | 0.00011 | 0.00109 | 0.00000 | 0.00000 |
| 69.FIN-INS-REST | 0.00841 | 0.03739 | 0.00991 | 0.00243 | 0.00972 | 0.01253 | 0.00951 | 0.01528 | 0.02720 |
| 70.LEGAL | 0.00030 | 0.00176 | 0.00115 | 0.00072 | 0.00000 | 0.00000 | 0.00118 | 0.00019 | 0.00000 |
| 71.LODGING | 0.00009 | 0.00000 | 0.00000 | 0.00000 | 0.00087 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 72.PERSONAL SER | 0.00000 | 0.00112 | 0.00000 | 0.00000 | 0.00290 | 0.00000 | 0.00000 | 0.00000 | 0.00826 |
| 73.BUSINESS SER | 0.01032 | 0.02390 | 0.04790 | 0.00043 | 0.00000 | 0.00475 | 0.01008 | 0.00000 | 0.00747 |
| 74.ALL OTHR SER | 0.00241 | 0.01408 | 0.01523 | 0.00052 | 0.00000 | 0.00265 | 0.00439 | 0.00000 | 0.00000 |
| 75.DEPRECIATION | 0.01428 | 0.02262 | 0.03415 | 0.00671 | 0.00943 | 0.01132 | 0.01236 | 0.06878 | 0.07510 |
| 76.WAGES | 0.19510 | 0.31642 | 0.45038 | 0.11339 | 0.33943 | 0.81255 | 0.27840 | 0.23049 | 0.27588 |
| 77.RESIDUAL INC | 0.04238 | 0.33467 | 0.08582 | 0.12632 | 0.08141 | 0.00618 | 0.07326 | 0.00000 | 0.26771 |
| 78.FED GVT | 0.02343 | 0.01920 | 0.05986 | 0.00536 | 0.01466 | 0.02982 | 0.01505 | 0.01433 | 0.05721 |
| 79.STATE GVT | 0.00142 | 0.00032 | 0.00197 | 0.00185 | 0.00145 | 0.01126 | 0.00248 | 0.00032 | 0.00175 |
| 80.LOCAL GVT | 0.00278 | 0.00197 | 0.00237 | 0.00074 | 0.00000 | 0.00011 | 0.00082 | 0.00115 | 0.01895 |
| 81.TEXAS IMPORT | 0.47560 | 0.07681 | 0.04782 | 0.13848 | 0.16224 | 0.01452 | 0.09851 | 0.02071 | 0.00270 |
| 82.IMPORTS USA | 0.06463 | 0.08513 | 0.16001 | 0.56096 | 0.36265 | 0.06079 | 0.23688 | 0.37819 | 0.01359 |
| 83.IMP FOREIGN | 0.00446 | 0.00304 | 0.00000 | 0.00223 | 0.00000 | 0.01651 | 0.00000 | 0.00000 | 0.00000 |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

| | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 4.RANGE L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 5.FEEDLOT L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 6.DAIRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 7.PDULTRY EGGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 8.FORESTRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 9.AG SUPPLY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 10.GINNING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 12.CRUDE PETRO | 0.00000 | 0.01856 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.89317 | 0.00000 | 0.00000 |
| 13.NAT GAS LIQ | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 14.OIL GAS SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 18.CONST REPAIR | 0.00663 | 0.03359 | 0.00000 | 0.00000 | 0.00945 | 0.00000 | 0.00021 | 0.00204 | 0.04929 |
| 19.MEAT PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 20.DAIRIES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 21.MILLS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 22.BAKERY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 23.FOOD CAN FZN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 24.OTHER FOOD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 25.BEVERAGE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 26.APPAREL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00017 | 0.00065 |
| 27.LOGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 28.LUMBER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00027 | 0.00002 |
| 29.MILL WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00028 |
| 30.FURNITURE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 31.PAPER PROD | 0.00000 | 0.00698 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00007 | 0.00077 |
| 32.PRINT PUB | 0.00000 | 0.00025 | 0.00000 | 0.00011 | 0.00132 | 0.00000 | 0.00007 | 0.00156 | 0.00000 |
| 33.OTHER PRINT | 0.00000 | 0.00255 | 0.00000 | 0.00227 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00070 |
| 34.CHEM PET PRO | 0.04867 | 0.01843 | 0.03658 | 0.00000 | 0.00174 | 0.00978 | 0.00029 | 0.00199 | 0.02107 |
| 35.AG CHEM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 38.STONE | 0.00000 | 0.02136 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.03320 |
| 39.CEMENT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00014 | 0.00005 |
| 40.FOUNDRIES | 0.00015 | 0.00008 | 0.00025 | 0.00000 | 0.00008 | 0.00022 | 0.00000 | 0.00000 | 0.00265 |
| 41.FABRICAT MET | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00038 |
| 42.PLATE WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.00012 | 0.00006 | 0.00021 | 0.00000 | 0.00008 | 0.00000 | 0.00000 | 0.00000 | 0.00275 |
| 46.INDUST MACH | 0.00000 | 0.03164 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00067 |
| 47.SERVIC MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00008 |
| 48.ELECT MACH | 0.00000 | 0.01501 | 0.00000 | 0.00000 | 0.00346 | 0.02956 | 0.00000 | 0.00006 | 0.00134 |
| 49.TRANS MACH | 0.00000 | 0.00025 | 0.00000 | 0.00000 | 0.00230 | 0.00911 | 0.00000 | 0.00000 | 0.00004 |
| 50.SCIENC-EQUIP | 0.00000 | 0.01096 | 0.00000 | 0.00000 | 0.00348 | 0.00000 | 0.00000 | 0.00000 | 0.00044 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00092 | 0.00000 | 0.00000 | 0.00306 | 0.00027 |
| 53.ORDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00000 | 0.00000 | 0.00000 | 0.00144 | 0.00000 | 0.00000 | 0.00004 | 0.00000 | 0.00000 |
| 55.MOTOR FREIGT | 0.00000 | 0.00000 | 0.00000 | 0.00156 | 0.00000 | 0.00000 | 0.00012 | 0.00184 | 0.00000 |
| 56.PIPELINE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 57.OTHER TRANS | 0.00000 | 0.00000 | 0.00000 | 0.00094 | 0.00061 | 0.00000 | 0.00000 | 0.00035 | 0.00000 |
| 58.T AND T | 0.03554 | 0.00062 | 0.00697 | 0.00000 | 0.01217 | 0.00422 | 0.00029 | 0.00350 | 0.00249 |

| | | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00006 | 0.00252 | 0.00000 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 61.GAS | 0.00806 | 0.01172 | 0.00064 | 0.00142 | 0.00105 | 0.00067 | 0.01657 | 0.12375 | 0.00000 | 0.00000 |
| 62.ELECTRICITY | 0.01222 | 0.02139 | 0.00379 | 0.01138 | 0.01867 | 0.01489 | 0.00011 | 0.00000 | 0.06280 | 0.00000 |
| 63.WATER | 0.00066 | 0.00000 | 0.00060 | 0.00136 | 0.00063 | 0.00067 | 0.00003 | 0.00294 | 0.08298 | 0.00000 |
| 64.WHSLE AG PRD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.04635 | 0.00198 | 0.02911 | 0.00000 | 0.00214 | 0.00333 | 0.00031 | 0.00481 | 0.02308 | 0.00000 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.01939 | 0.00000 | 0.00000 | 0.00000 | 0.00029 | 0.00000 | 0.00036 | 0.01368 | 0.00000 | 0.00000 |
| 69.FIN-INS-REST | 0.10650 | 0.01466 | 0.11840 | 0.01882 | 0.02617 | 0.00689 | 0.00161 | 0.01382 | 0.00624 | 0.00000 |
| 70.LEGAL | 0.00998 | 0.00066 | 0.00789 | 0.00000 | 0.00277 | 0.00822 | 0.00000 | 0.00245 | 0.00000 | 0.00000 |
| 71.LODGING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 72.PERSONAL SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 73.BUSINESS SER | 0.01141 | 0.00000 | 0.03637 | 0.00526 | 0.15146 | 0.00000 | 0.00044 | 0.00159 | 0.00000 | 0.00000 |
| 74.ALL OTHR SER | 0.00801 | 0.00000 | 0.00891 | 0.00000 | 0.01234 | 0.00822 | 0.00075 | 0.00272 | 0.00000 | 0.00000 |
| 75.DEPRECIATION | 0.09038 | 0.21707 | 0.02933 | 0.22317 | 0.05643 | 0.17404 | 0.01016 | 0.13421 | 0.27498 | 0.00000 |
| 76.WAGES | 0.25564 | 0.14341 | 0.41835 | 0.37543 | 0.35304 | 0.23094 | 0.01543 | 0.14581 | 0.30054 | 0.00000 |
| 77.RESIDUAL INC | 0.07068 | 0.22769 | 0.18353 | 0.00000 | 0.10968 | 0.28895 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 78.FED GVT | 0.03061 | 0.12495 | 0.03247 | 0.24844 | 0.07686 | 0.18115 | 0.00643 | 0.15049 | 0.00741 | 0.00000 |
| 79.STATE GVT | 0.03453 | 0.01591 | 0.00283 | 0.03353 | 0.00191 | 0.00000 | 0.00179 | 0.01910 | 0.00000 | 0.00000 |
| 80.LOCAL GVT | 0.00594 | 0.03186 | 0.00463 | 0.06173 | 0.00713 | 0.01956 | 0.00446 | 0.03086 | 0.00000 | 0.00000 |
| 81.TEXAS IMPORT | 0.13966 | 0.00118 | 0.04903 | 0.00000 | 0.02521 | 0.00533 | 0.04729 | 0.33616 | 0.08818 | 0.00000 |
| 82.IMPORTS USA | 0.05830 | 0.00250 | 0.02183 | 0.00000 | 0.11862 | 0.00422 | 0.00000 | 0.00000 | 0.03664 | 0.00000 |
| 83.IMP FOREIGN | 0.00057 | 0.02467 | 0.00828 | 0.01315 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

| | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1. IRR-CROPS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2. DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3. OTHER DRYLND | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 4. RANGE L.S. | 0.00000 | 0.01091 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 5. FEEDLOT L.S. | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 6. DAIRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 7. POULTRY EGGS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 8. FORESTRY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 9. AG SUPPLY | 0.00000 | 0.00000 | 0.00242 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 10. GINNING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11. AG SERVICES | 0.00000 | 0.00424 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 12. CRUDE PETRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 13. NAT GAS LIQ | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00003 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 14. OIL GAS SER | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 15. CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16. CONST COMM | 0.00000 | 0.00727 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 17. CONST FACIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 18. CONST REPAIR | 0.00000 | 0.00000 | 0.00242 | 0.00000 | 0.01047 | 0.00602 | 0.00000 | 0.01465 | 0.01189 |
| 19. MEAT PROD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 20. DAIRIES | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 21. MILLS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00039 | 0.00000 |
| 22. BAKERY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 23. FOOD CAN FZN | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00039 | 0.00000 |
| 24. OTHER FOOD | 0.00000 | 0.00000 | 0.00195 | 0.00000 | 0.00000 | 0.00003 | 0.00000 | 0.00092 | 0.00000 |
| 25. BEVERAGE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00092 | 0.00000 | 0.00000 | 0.00000 |
| 26. APPAREL | 0.00000 | 0.00000 | 0.00207 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 27. LOGS | 0.00000 | 0.00200 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 28. LUMBER | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 29. MILL WORK | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 30. FURNITURE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 31. PAPER PROD | 0.00000 | 0.00000 | 0.00630 | 0.00000 | 0.00188 | 0.00000 | 0.00000 | 0.00000 | 0.00021 |
| 32. PRINT PUB | 0.00000 | 0.00000 | 0.00081 | 0.00861 | 0.01855 | 0.00002 | 0.00000 | 0.00078 | 0.01210 |
| 33. OTHER PRINT | 0.00000 | 0.00000 | 0.00176 | 0.00086 | 0.00121 | 0.00330 | 0.00000 | 0.00000 | 0.00000 |
| 34. CHEM PET PRO | 0.00192 | 0.00000 | 0.01309 | 0.00689 | 0.01610 | 0.00068 | 0.00007 | 0.00065 | 0.00637 |
| 35. AG CHEM | 0.00000 | 0.00000 | 0.00192 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 36. GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37. CLAY | 0.00000 | 0.00000 | 0.00004 | 0.00022 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 38. STONE | 0.00000 | 0.00000 | 0.00161 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 39. CEMENT | 0.00000 | 0.00000 | 0.00005 | 0.00022 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 40. FOUNDRIES | 0.00000 | 0.00000 | 0.00011 | 0.00022 | 0.00019 | 0.00028 | 0.00033 | 0.00026 | 0.00000 |
| 41. FABRICAT MET | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 42. PLATE WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 43. SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 44. METAL DOOR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 45. OTHER METAL | 0.00000 | 0.00000 | 0.00000 | 0.00022 | 0.00013 | 0.00023 | 0.00027 | 0.00026 | 0.00000 |
| 46. INDUST MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 47. SERVIC MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 48. ELECT MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 49. TRANS MACH | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 50. SCIENC-EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 51. GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52. OTHER MFG | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 53. ORDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54. RAIL | 0.10994 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 55. MOTOR FREIGT | 0.00344 | 0.00000 | 0.01108 | 0.00129 | 0.00145 | 0.00000 | 0.00000 | 0.00000 | 0.00085 |
| 56. PIPELINE | 0.00000 | 0.00000 | 0.01269 | 0.00517 | 0.00837 | 0.00000 | 0.00000 | 0.00000 | 0.00042 |
| 57. OTHER TRANS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 58. T AND T | 0.00234 | 0.00000 | 0.00032 | 0.00000 | 0.00032 | 0.00065 | 0.00000 | 0.00000 | 0.00000 |
| | | | 0.01335 | 0.01636 | 0.01152 | 0.00720 | 0.01735 | 0.01609 | 0.00573 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00000 | 0.00000 | 0.00031 | 0.00151 | 0.00536 | 0.00045 | 0.00000 | 0.00000 | 0.00000 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00039 | 0.00000 |
| 61.GAS | 0.00055 | 0.00182 | 0.00102 | 0.00237 | 0.00221 | 0.00126 | 0.00060 | 0.00576 | 0.01507 |
| 62.ELECTRICITY | 0.00440 | 0.01152 | 0.00958 | 0.01076 | 0.01478 | 0.00569 | 0.00248 | 0.03623 | 0.03100 |
| 63.WATER | 0.00055 | 0.00303 | 0.00209 | 0.00215 | 0.00355 | 0.00091 | 0.00027 | 0.00602 | 0.00722 |
| 64.WHSLE AG PRD | 0.05950 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.32364 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.00137 | 0.00727 | 0.00858 | 0.00796 | 0.01074 | 0.00743 | 0.00710 | 0.02041 | 0.00913 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00137 | 0.00000 | 0.01331 | 0.01205 | 0.01349 | 0.00202 | 0.00000 | 0.00628 | 0.00340 |
| 69.FIN-INS-REST | 0.01608 | 0.03758 | 0.03896 | 0.05402 | 0.03573 | 0.05296 | 0.03805 | 0.04748 | 0.04310 |
| 70.LEGAL | 0.00000 | 0.00000 | 0.00109 | 0.00000 | 0.00151 | 0.00670 | 0.00000 | 0.00013 | 0.00000 |
| 71.LODGING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00201 | 0.00000 | 0.00000 | 0.00000 |
| 72.PERSONAL SER | 0.00000 | 0.00000 | 0.00009 | 0.00000 | 0.00070 | 0.00000 | 0.00000 | 0.02812 | 0.00127 |
| 73.BUSINESS SER | 0.00934 | 0.00303 | 0.00179 | 0.00796 | 0.01370 | 0.02303 | 0.00844 | 0.01230 | 0.02718 |
| 74.ALL OTHR SER | 0.00206 | 0.01455 | 0.01446 | 0.00861 | 0.01341 | 0.00823 | 0.01132 | 0.02041 | 0.02251 |
| 75.DEPRECIATION | 0.01938 | 0.00061 | 0.03701 | 0.02583 | 0.04254 | 0.02207 | 0.00837 | 0.09117 | 0.04331 |
| 76.WAGES | 0.13247 | 0.45333 | 0.40779 | 0.31855 | 0.47787 | 0.40211 | 0.24238 | 0.28999 | 0.50871 |
| 77.RESIDUAL INC | 0.07531 | 0.06788 | 0.10851 | 0.08739 | 0.13868 | 0.33205 | 0.52971 | 0.12793 | 0.07473 |
| 78.FED GVT | 0.01031 | 0.02424 | 0.04461 | 0.01227 | 0.03231 | 0.04522 | 0.02707 | 0.08895 | 0.03015 |
| 79.STATE GVT | 0.00041 | 0.00970 | 0.00976 | 0.00280 | 0.01053 | 0.01364 | 0.00268 | 0.00680 | 0.00212 |
| 80.LOCAL GVT | 0.00247 | 0.00182 | 0.00691 | 0.00452 | 0.01061 | 0.01020 | 0.00295 | 0.03152 | 0.01444 |
| 81.TEXAS IMPORT | 0.54542 | 0.00727 | 0.09206 | 0.12914 | 0.06785 | 0.03487 | 0.07885 | 0.11812 | 0.10064 |
| 82.IMPORTS USA | 0.00137 | 0.00848 | 0.11474 | 0.27206 | 0.03419 | 0.00970 | 0.02171 | 0.02747 | 0.02803 |
| 83.IMP FOREIGN | 0.00000 | 0.00182 | 0.01332 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 | 1.00000 |

DIRECT REQUIREMENTS PER THOUSAND DOLLARS OF OUTPUT, NORTHEAST TEXAS

| | 73 | 74 |
|-----------------|---------|---------|
| 1.IRR-CROPS | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00000 | 0.00000 |
| 4.RANGE L.S. | 0.00000 | 0.00000 |
| 5.FEEDLOT L.S. | 0.00000 | 0.00000 |
| 6.DAIRY | 0.00000 | 0.00000 |
| 7.POULTRY EGGS | 0.00000 | 0.00000 |
| 8.FORESTRY | 0.00000 | 0.00000 |
| 9.AG SUPPLY | 0.00000 | 0.00000 |
| 10.GINNING | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00000 | 0.00000 |
| 12.CRUDE PETRO | 0.00000 | 0.00000 |
| 13.NAT GAS LIQ | 0.00000 | 0.00004 |
| 14.OIL GAS SER | 0.00000 | 0.00000 |
| 15.CONST HOME | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00006 |
| 18.CONST REPAIR | 0.00022 | 0.00534 |
| 19.MEAT PROD | 0.00000 | 0.03171 |
| 20.DAIRIES | 0.00000 | 0.03883 |
| 21.MILLS | 0.00000 | 0.00020 |
| 22.BAKERY | 0.00000 | 0.01903 |
| 23.FOOD CAN FZN | 0.00000 | 0.03446 |
| 24.OTHER FOOD | 0.00000 | 0.00017 |
| 25.BEVERAGE | 0.00000 | 0.00000 |
| 26.APPAREL | 0.00000 | 0.00010 |
| 27.LOGS | 0.00000 | 0.00000 |
| 28.LUMBER | 0.00000 | 0.00016 |
| 29.MILL WORK | 0.00000 | 0.00000 |
| 30.FURNITURE | 0.00000 | 0.00388 |
| 31.PAPER PROD | 0.00000 | 0.00495 |
| 32.PRINT PUB | 0.00074 | 0.00031 |
| 33.OTHER PRINT | 0.00087 | 0.00044 |
| 34.CHEM PET PRO | 0.24257 | 0.00125 |
| 35.AG CHEM | 0.00000 | 0.00001 |
| 36.GLASS | 0.00000 | 0.00005 |
| 37.CLAY | 0.00000 | 0.00000 |
| 38.STONE | 0.00000 | 0.00003 |
| 39.CEMENT | 0.00000 | 0.00001 |
| 40.FOUNDRIES | 0.01081 | 0.00070 |
| 41.FABRICAT MET | 0.00000 | 0.00000 |
| 42.PLATE WORK | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00000 | 0.00019 |
| 45.OTHER METAL | 0.00035 | 0.00039 |
| 46.INDUST MACH | 0.00000 | 0.00090 |
| 47.SERVIC MACH | 0.00000 | 0.00006 |
| 48.ELECT MACH | 0.00000 | 0.00030 |
| 49.TRANS MACH | 0.00000 | 0.00137 |
| 50.SCIENC-EQUIP | 0.00000 | 0.00259 |
| 51.GAME TOY | 0.00000 | 0.00005 |
| 52.OTHER MFG | 0.00559 | 0.00021 |
| 53.ORDNANCE | 0.00000 | 0.00000 |
| 54.RAIL | 0.00000 | 0.00016 |
| 55.MOTOR FREIGT | 0.00786 | 0.00544 |
| 56.PIPELINE | 0.00000 | 0.00000 |
| 57.OTHER TRANS | 0.01979 | 0.00033 |
| 58.T AND T | 0.01580 | 0.00487 |

| | | |
|------------------|---------|---------|
| 59.RADIO TV | 0.00000 | 0.00039 |
| 60.OTHER COMM | 0.00000 | 0.00000 |
| 61.GAS | 0.00094 | 0.00490 |
| 62.ELECTRICITY | 0.00403 | 0.01140 |
| 63.WATER | 0.00047 | 0.00217 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01293 | 0.01316 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00329 | 0.00029 |
| 69.FIN-INS-REST | 0.02389 | 0.02399 |
| 70.LEGAL | 0.00257 | 0.00065 |
| 71.LODGING | 0.00000 | 0.00000 |
| 72.PERSONAL SER | 0.00143 | 0.00099 |
| 73.BUSINESS SER | 0.00534 | 0.00503 |
| 74.ALL OTHR SER | 0.00586 | 0.00260 |
| 75.DEPRECIATION | 0.04415 | 0.09113 |
| 76.WAGES | 0.35147 | 0.60407 |
| 77.RESIDUAL INC | 0.05597 | 0.00922 |
| 78.FED GVT | 0.01355 | 0.00783 |
| 79.STATE GVT | 0.00398 | 0.00012 |
| 80.LOCAL GVT | 0.00245 | 0.00040 |
| 81.TEXAS IMPORT | 0.11852 | 0.04400 |
| 82.IMPORTS USA | 0.04454 | 0.01909 |
| 83.IMP FOREIGN | 0.00000 | 0.00000 |
| 84.TOTAL PURCHS | 1.00000 | 1.00000 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

Appendix Table 3

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----------------|----------|---------|----------|----------|---------|---------|----------|---------|---------|
| 1.IRR-CROPS | 1.00270 | 0.00003 | 0.00000 | 0.00015 | 0.00062 | 0.00102 | 0.00430 | 0.00005 | 0.00011 |
| 2.DRYLAND COT | -0.00000 | 1.01793 | -0.00000 | -0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00002 | 0.00001 | 1.00134 | 0.17001 | 0.22513 | 0.08069 | 0.06248 | 0.00000 | 0.00003 |
| 4.RANGE L.S. | 0.00001 | 0.00001 | 0.00000 | 1.00221 | 0.49152 | 0.00002 | 0.00236 | 0.00000 | 0.00002 |
| 5.FEEDLOT L.S. | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 1.01965 | 0.00001 | 0.00002 | 0.00000 | 0.00001 |
| 6.DAIRY | 0.00015 | 0.00008 | 0.00005 | 0.01259 | 0.00693 | 1.00815 | 0.00031 | 0.00001 | 0.00024 |
| 7.POULTRY EGGS | 0.00005 | 0.00003 | 0.00002 | 0.00003 | 0.00003 | 0.00008 | 1.05937 | 0.00000 | 0.00009 |
| 8.FORESTRY | 0.00009 | 0.00011 | 0.00021 | 0.00050 | 0.00029 | 0.00011 | 0.00024 | 1.00001 | 0.00002 |
| 9.AG SUPPLY | 0.00410 | 0.00615 | 0.01023 | 0.00635 | 0.00638 | 0.00925 | 0.02713 | 0.00001 | 1.00002 |
| 10.GINNING | -0.00000 | 0.05497 | -0.00000 | -0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00631 | 0.01360 | 0.00164 | 0.00994 | 0.00825 | 0.02668 | 0.10583 | 0.00000 | 0.00003 |
| 12.CRUDE PETRO | 0.00854 | 0.00486 | 0.00319 | 0.00278 | 0.00385 | 0.00484 | 0.01105 | 0.00096 | 0.00892 |
| 13.NAT GAS LIQ | 0.00029 | 0.00043 | 0.00031 | 0.00023 | 0.00018 | 0.00024 | 0.00012 | 0.00009 | 0.00016 |
| 14.OIL GAS SER | 0.00016 | 0.00009 | 0.00006 | 0.00005 | 0.00007 | 0.00009 | 0.00021 | 0.00002 | 0.00017 |
| 15.CONST HDME | -0.00000 | 0.00000 | -0.00000 | -0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00001 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00002 | 0.00002 | 0.00001 | 0.00002 | 0.00003 | 0.00002 | 0.00003 | 0.00000 | 0.00000 |
| 18.CONST REPAIR | 0.01144 | 0.01370 | 0.00877 | 0.01196 | 0.00749 | 0.01189 | 0.02474 | 0.00023 | 0.00140 |
| 19.MEAT PROD | 0.00015 | 0.00008 | 0.00005 | 0.00008 | 0.00009 | 0.00022 | 0.00030 | 0.00001 | 0.00024 |
| 20.DAIRIES | 0.00017 | 0.00009 | 0.00006 | 0.00026 | 0.00102 | 0.00027 | 0.00032 | 0.00001 | 0.00028 |
| 21.MILLS | 0.00005 | 0.00003 | 0.00002 | 0.01814 | 0.07620 | 0.12480 | 0.52971 | 0.00000 | 0.00008 |
| 22.BAKERY | 0.00009 | 0.00004 | 0.00003 | 0.00006 | 0.00013 | 0.00013 | 0.00015 | 0.00000 | 0.00014 |
| 23.FOOD CAN FZN | 0.00015 | 0.00008 | 0.00005 | 0.00008 | 0.00010 | 0.00024 | 0.00027 | 0.00001 | 0.00025 |
| 24.OTHER FOOD | 0.00004 | 0.00005 | 0.00006 | 0.00902 | 0.04940 | 0.00023 | 0.00085 | 0.00001 | 0.00003 |
| 25.BEVERAGE | 0.00005 | 0.00003 | 0.00004 | 0.00031 | 0.00107 | 0.00174 | 0.00723 | 0.00000 | 0.00004 |
| 26.APPAREL | 0.00004 | 0.00006 | 0.00007 | 0.00006 | 0.00005 | 0.00005 | 0.00007 | 0.00003 | 0.00003 |
| 27.LOGS | 0.00032 | 0.00038 | 0.00074 | 0.00179 | 0.00104 | 0.00040 | 0.00087 | 0.00002 | 0.00006 |
| 28.LUMBER | 0.00135 | 0.00156 | 0.00296 | 0.00848 | 0.00478 | 0.00165 | 0.00388 | 0.00008 | 0.00019 |
| 29.MILL WORK | 0.00174 | 0.00118 | 0.02224 | 0.00697 | 0.00677 | 0.00406 | 0.00447 | 0.00008 | 0.00015 |
| 30.FURNITURE | 0.00015 | 0.00017 | 0.00011 | 0.00015 | 0.00010 | 0.00017 | 0.00032 | 0.00258 | 0.00005 |
| 31.PAPER PROD | 0.00020 | 0.00024 | 0.00029 | 0.00033 | 0.00062 | 0.00025 | 0.01264 | 0.00018 | 0.00075 |
| 32.PRINT PUB | 0.00027 | 0.00023 | 0.00022 | 0.00029 | 0.00021 | 0.00033 | 0.00050 | 0.00002 | 0.00095 |
| 33.OTHER PRINT | 0.00028 | 0.00020 | 0.00030 | 0.00035 | 0.00025 | 0.00032 | 0.00049 | 0.00010 | 0.00473 |
| 34.CHEM PET PRO | 0.03203 | 0.04774 | 0.03438 | 0.02565 | 0.01978 | 0.02635 | 0.01300 | 0.01052 | 0.01738 |
| 35.AG CHEM | 0.00109 | 0.00172 | 0.00124 | 0.00099 | 0.00067 | 0.00067 | 0.00031 | 0.00004 | 0.00002 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00053 | 0.00289 | 0.00001 | 0.00005 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00016 | 0.00025 | 0.00017 | 0.00100 | 0.00052 | 0.00026 | 0.00048 | 0.00002 | 0.00002 |
| 38.STONE | 0.00007 | 0.00008 | 0.00009 | 0.00016 | 0.00011 | 0.00008 | 0.00015 | 0.00001 | 0.00036 |
| 39.CEMENT | 0.00058 | 0.00065 | 0.00044 | 0.00188 | 0.00103 | 0.00064 | 0.00122 | 0.00003 | 0.00008 |
| 40.FOUNDRIES | 0.00103 | 0.00132 | 0.00149 | 0.00131 | 0.00090 | 0.00087 | 0.00156 | 0.00022 | 0.00038 |
| 41.FABRICAT MET | 0.00029 | 0.00035 | 0.00023 | 0.00031 | 0.00020 | 0.00031 | 0.00064 | 0.00011 | 0.00008 |
| 42.PLATE WORK | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00003 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 |
| 44.METAL DDDR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.00027 | 0.00082 | 0.00104 | 0.00084 | 0.00057 | 0.00047 | 0.00074 | 0.00152 | 0.00021 |
| 46.INDUST MACH | 0.00013 | 0.00016 | 0.00026 | 0.00026 | 0.00017 | 0.00016 | 0.00026 | 0.01621 | 0.00006 |
| 47.SERVIC MACH | 0.00006 | 0.00007 | 0.00005 | 0.00007 | 0.00004 | 0.00006 | 0.00013 | 0.00000 | 0.00001 |
| 48.ELECT MACH | 0.00009 | 0.00011 | 0.00007 | 0.00009 | 0.00006 | 0.00010 | 0.00020 | 0.00003 | 0.00003 |
| 49.TRANS MACH | 0.00040 | 0.00003 | 0.00003 | 0.00004 | 0.00003 | 0.00004 | 0.00007 | 0.02200 | 0.00004 |
| 50.SCIENC-EQUIP | 0.00018 | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00002 | 0.00003 | 0.00111 | 0.00002 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00005 | 0.00005 | 0.00004 | 0.00004 | 0.00004 | 0.00005 | 0.00063 | 0.00002 | 0.00015 |
| 53.ORDNANCE | -0.00000 | 0.00000 | -0.00000 | -0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00057 | 0.00074 | 0.00106 | 0.00093 | 0.00114 | 0.00090 | 0.00200 | 0.00114 | 0.00370 |
| 55.MOTOR FREIGT | 0.00076 | 0.00258 | 0.00105 | 0.00239 | 0.00263 | 0.05456 | 0.01073 | 0.00186 | 0.00435 |
| 56.PIPELINE | 0.00004 | 0.00006 | 0.00004 | 0.00003 | 0.00002 | 0.00003 | 0.00002 | 0.00021 | 0.00002 |
| 57.OTHER TRANS | 0.00012 | 0.00010 | 0.00011 | 0.00014 | 0.00011 | 0.00013 | 0.00023 | 0.00325 | 0.00027 |
| 58.T AND T | 0.00429 | 0.00291 | 0.00391 | 0.00477 | 0.00367 | 0.00671 | 0.00884 | 0.00039 | 0.01075 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00011 | 0.00010 | 0.00010 | 0.00014 | 0.00016 | 0.00023 | 0.00060 | 0.00002 | 0.00021 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00001 | 0.00005 | 0.00000 | 0.00000 |
| 61.GAS | 0.00780 | 0.00331 | 0.00206 | 0.00196 | 0.00331 | 0.00410 | 0.01118 | 0.00057 | 0.00877 |
| 62.ELECTRICITY | 0.00679 | 0.00657 | 0.00429 | 0.00515 | 0.00546 | 0.00729 | 0.01973 | 0.00036 | 0.03041 |
| 63.WATER | 0.00030 | 0.00036 | 0.00034 | 0.00038 | 0.00037 | 0.00054 | 0.00124 | 0.00005 | 0.00988 |
| 64.WHSLE AG PRO | 0.00005 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00007 | 0.00088 | 0.00000 | 0.00010 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01733 | 0.02302 | 0.03072 | 0.02631 | 0.02245 | 0.01974 | 0.02577 | 0.00197 | 0.00967 |
| 67.RETL AG EQUIP | 0.00068 | 0.00098 | 0.00059 | 0.00024 | 0.00023 | 0.00010 | 0.00010 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.01043 | 0.00964 | 0.00891 | 0.01260 | 0.00803 | 0.01379 | 0.01455 | 0.00105 | 0.01213 |
| 69.FIN-INS-REST | 0.05890 | 0.02825 | 0.04145 | 0.06633 | 0.04232 | 0.05407 | 0.06943 | 0.00246 | 0.04240 |
| 70.LEGAL | 0.00051 | 0.00032 | 0.00040 | 0.00059 | 0.00044 | 0.00104 | 0.00087 | 0.00009 | 0.00211 |
| 71.LODGING | 0.00012 | 0.00006 | 0.00009 | 0.00016 | 0.00018 | 0.00022 | 0.00060 | 0.00001 | 0.00009 |
| 72.PERSONAL SER | 0.00003 | 0.00003 | 0.00003 | 0.00003 | 0.00003 | 0.00004 | 0.00009 | 0.00002 | 0.00006 |
| 73.BUSINESS SER | 0.00283 | 0.00275 | 0.00238 | 0.00323 | 0.00267 | 0.00326 | 0.00660 | 0.00073 | 0.00885 |
| 74.ALL OTHR SER | 0.00444 | 0.00229 | 0.00138 | 0.00228 | 0.00240 | 0.00684 | 0.00778 | 0.00024 | 0.00716 |
| 84.TOTAL PURCHS | 1.19146 | 1.25383 | 1.19146 | 1.42412 | 2.03583 | 1.48164 | 2.06028 | 1.07071 | 1.18884 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

| | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|-----------------|---------|---------|----------|---------|---------|---------|----------|---------|----------|
| 1.IRR-CROPS | 0.00050 | 0.00033 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00001 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 |
| 3.OTHER DRYLND | 0.00009 | 0.00008 | 0.00001 | 0.00001 | 0.00002 | 0.00009 | 0.00011 | 0.00003 | 0.00008 |
| 4.RANGE L.S. | 0.00005 | 0.00005 | 0.00001 | 0.00001 | 0.00001 | 0.00008 | 0.00009 | 0.00002 | 0.00003 |
| 5.FEEDLOT L.S. | 0.00004 | 0.00004 | 0.00000 | 0.00001 | 0.00001 | 0.00006 | 0.00007 | 0.00002 | 0.00002 |
| 6.DAIRY | 0.00072 | 0.00067 | 0.00007 | 0.00007 | 0.00015 | 0.00060 | 0.00066 | 0.00020 | 0.00073 |
| 7.POULTRY EGGS | 0.00025 | 0.00023 | 0.00003 | 0.00003 | 0.00005 | 0.00037 | 0.00041 | 0.00009 | 0.00014 |
| 8.FORESTRY | 0.00076 | 0.00001 | 0.00004 | 0.00002 | 0.00002 | 0.01023 | 0.00311 | 0.00002 | 0.00626 |
| 9.AG SUPPLY | 0.00006 | 0.01113 | 0.00005 | 0.00002 | 0.00004 | 0.00011 | 0.00005 | 0.00003 | 0.00004 |
| 10.GINNING | 1.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 |
| 11.AG SERVICES | 0.00025 | 1.00008 | 0.00001 | 0.00001 | 0.00002 | 0.00230 | 0.00079 | 0.00003 | 0.00138 |
| 12.CRUDE PETRO | 0.01984 | 0.00301 | 1.06160 | 0.18586 | 0.00341 | 0.00807 | 0.00699 | 0.00286 | 0.00605 |
| 13.NAT GAS LIQ | 0.00028 | 0.00008 | 0.00020 | 1.00020 | 0.00016 | 0.00063 | 0.00055 | 0.00051 | 0.00065 |
| 14.OIL GAS SER | 0.00038 | 0.00006 | 0.02033 | 0.00356 | 1.00989 | 0.00015 | 0.00013 | 0.00005 | 0.00012 |
| 15.CONST HOME | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 1.00000 | -0.00000 | 0.00000 | -0.00000 |
| 16.CONST COMM | 0.00002 | 0.00000 | 0.00010 | 0.00002 | 0.00000 | 0.00001 | 1.00096 | 0.00000 | 0.00016 |
| 17.CONST FACIL | 0.00016 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00001 | 0.00375 | 1.00000 | 0.00132 |
| 18.CONST REPAIR | 0.11832 | 0.00064 | 0.00404 | 0.00142 | 0.00097 | 0.00284 | 0.00355 | 0.00087 | 1.00206 |
| 19.MEAT PROD | 0.00069 | 0.00065 | 0.00008 | 0.00010 | 0.00015 | 0.00102 | 0.00113 | 0.00026 | 0.00039 |
| 20.DAIRIES | 0.00081 | 0.00080 | 0.00008 | 0.00008 | 0.00018 | 0.00070 | 0.00079 | 0.00024 | 0.00045 |
| 21.MILLS | 0.00022 | 0.00021 | 0.00002 | 0.00003 | 0.00005 | 0.00027 | 0.00033 | 0.00007 | 0.00016 |
| 22.BAKERY | 0.00039 | 0.00039 | 0.00004 | 0.00004 | 0.00009 | 0.00034 | 0.00038 | 0.00012 | 0.00022 |
| 23.FOOD CAN FZN | 0.00071 | 0.00070 | 0.00007 | 0.00007 | 0.00016 | 0.00062 | 0.00097 | 0.00021 | 0.00040 |
| 24.OTHER FOOD | 0.00005 | 0.00002 | 0.00004 | 0.00002 | 0.00003 | 0.00008 | 0.00015 | 0.00003 | 0.00004 |
| 25.BEVERAGE | 0.00008 | 0.00002 | 0.00001 | 0.00001 | 0.00002 | 0.00006 | 0.00005 | 0.00002 | 0.00003 |
| 26.APPAREL | 0.00010 | 0.00002 | 0.00005 | 0.00012 | 0.00011 | 0.00011 | 0.00147 | 0.00007 | 0.00040 |
| 27.LOGS | 0.00272 | 0.00004 | 0.00015 | 0.00007 | 0.00006 | 0.03688 | 0.01121 | 0.00007 | 0.02255 |
| 28.LUMBER | 0.01314 | 0.00009 | 0.00046 | 0.00020 | 0.00011 | 0.18274 | 0.05506 | 0.00015 | 0.11087 |
| 29.MILL WORK | 0.00982 | 0.00009 | 0.00036 | 0.00017 | 0.00010 | 0.01030 | 0.02363 | 0.00016 | 0.08260 |
| 30.FURNITURE | 0.00144 | 0.00009 | 0.00005 | 0.00003 | 0.00003 | 0.00013 | 0.00036 | 0.00003 | 0.01156 |
| 31.PAPER PRDD | 0.00045 | 0.00022 | 0.00017 | 0.00031 | 0.00014 | 0.00254 | 0.00270 | 0.00051 | 0.00136 |
| 32.PRINT PUB | 0.00035 | 0.00021 | 0.00007 | 0.00062 | 0.00007 | 0.00039 | 0.00029 | 0.00037 | 0.00028 |
| 33.OTHER PRINT | 0.00040 | 0.00019 | 0.00018 | 0.00018 | 0.00018 | 0.00036 | 0.00038 | 0.00018 | 0.00031 |
| 34.CHEM PET PRO | 0.02756 | 0.00886 | 0.02212 | 0.02284 | 0.01830 | 0.02904 | 0.06045 | 0.02115 | 0.04512 |
| 35.AG CHEM | 0.00004 | 0.00160 | 0.00004 | 0.00002 | 0.00003 | 0.00006 | 0.00002 | 0.00002 | 0.00002 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00001 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00166 | 0.00001 | 0.00006 | 0.00002 | 0.00001 | 0.07224 | 0.02398 | 0.00501 | 0.01402 |
| 38.STONE | 0.00030 | 0.00016 | 0.00005 | 0.00003 | 0.00007 | 0.00298 | 0.00246 | 0.00027 | 0.00201 |
| 39.CEMENT | 0.00479 | 0.00003 | 0.00017 | 0.00007 | 0.00004 | 0.00048 | 0.04410 | 0.00185 | 0.04042 |
| 40.FOUNDRIES | 0.00606 | 0.00047 | 0.00048 | 0.00801 | 0.00010 | 0.03090 | 0.05183 | 0.03362 | 0.04411 |
| 41.FABRICAT MET | 0.00298 | 0.00002 | 0.00011 | 0.00036 | 0.00003 | 0.01431 | 0.00964 | 0.00480 | 0.02520 |
| 42.PLATE WORK | 0.00013 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00002 | 0.00000 | 0.00106 |
| 43.SHEET METAL | 0.00002 | 0.00000 | 0.00000 | 0.00005 | 0.00000 | 0.00182 | 0.00813 | 0.00364 | 0.00020 |
| 44.METAL DDOR | 0.00004 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00175 | 0.00000 | 0.00029 |
| 45.OTHER METAL | 0.00265 | 0.00005 | 0.00014 | 0.02050 | 0.00006 | 0.01933 | 0.06185 | 0.00998 | 0.01986 |
| 46.INDUST MACH | 0.00112 | 0.00003 | 0.00006 | 0.05429 | 0.00019 | 0.01007 | 0.01987 | 0.00477 | 0.00921 |
| 47.SERVIC MACH | 0.00064 | 0.00001 | 0.00003 | 0.00001 | 0.00019 | 0.00002 | 0.00068 | 0.00026 | 0.00544 |
| 48.ELECT MACH | 0.00090 | 0.00002 | 0.00003 | 0.00010 | 0.00001 | 0.01477 | 0.00452 | 0.00003 | 0.00754 |
| 49.TRANS MACH | 0.00022 | 0.00003 | 0.00001 | 0.00001 | 0.00001 | 0.00471 | 0.00227 | 0.00931 | 0.00165 |
| 50.SCIENC-EQUIP | 0.00009 | 0.00006 | 0.00001 | 0.00001 | 0.00001 | 0.00007 | 0.00453 | 0.00002 | 0.00035 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00039 | 0.00007 | 0.00014 | 0.00031 | 0.00003 | 0.00514 | 0.00552 | 0.00077 | 0.00020 |
| 53.ORDNANCE | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 |
| 54.RAIL | 0.00131 | 0.00027 | 0.00040 | 0.00079 | 0.00028 | 0.00288 | 0.00732 | 0.00356 | 0.00762 |
| 55.MOTOR FREIGT | 0.03133 | 0.00090 | 0.00075 | 0.00224 | 0.00297 | 0.00598 | 0.00689 | 0.00387 | 0.00749 |
| 56.PIPELINE | 0.00003 | 0.00001 | 0.00003 | 0.00003 | 0.00002 | 0.00004 | 0.00007 | 0.00002 | 0.00005 |
| 57.OTHER TRANS | 0.00068 | 0.00019 | 0.00053 | 0.00112 | 0.00322 | 0.00039 | 0.00279 | 0.00084 | 0.00030 |
| 58.T AND T | 0.01037 | 0.00749 | 0.00474 | 0.00694 | 0.00419 | 0.00581 | 0.00670 | 0.00630 | 0.00663 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00029 | 0.00009 | 0.00003 | 0.00018 | 0.00004 | 0.00019 | 0.00019 | 0.00049 | 0.00019 |
| 60.OTHER COMM | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00004 | 0.00033 | 0.00027 | 0.00008 |
| 61.GAS | 0.01989 | 0.00284 | 0.00153 | 0.00141 | 0.00291 | 0.00735 | 0.00507 | 0.00215 | 0.00444 |
| 62.ELECTRICITY | 0.06795 | 0.00777 | 0.00334 | 0.00206 | 0.00310 | 0.00955 | 0.00535 | 0.00254 | 0.00631 |
| 63.WATER | 0.00090 | 0.00409 | 0.00031 | 0.00029 | 0.00129 | 0.02089 | 0.00095 | 0.00086 | 0.00102 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01851 | 0.00776 | 0.01972 | 0.00924 | 0.01349 | 0.02720 | 0.01109 | 0.01177 | 0.00622 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00970 | 0.00915 | 0.00160 | 0.03020 | 0.00172 | 0.01152 | 0.00611 | 0.01654 | 0.00933 |
| 69.FIN-INS-REST | 0.08118 | 0.02231 | 0.00956 | 0.00728 | 0.02587 | 0.05696 | 0.05005 | 0.01849 | 0.02673 |
| 70.LEGAL | 0.00138 | 0.00026 | 0.00167 | 0.00057 | 0.00071 | 0.00594 | 0.00174 | 0.00172 | 0.00203 |
| 71.LODGING | 0.00018 | 0.00005 | 0.00054 | 0.00011 | 0.00005 | 0.00016 | 0.00013 | 0.00004 | 0.00007 |
| 72.PERSONAL SER | 0.00011 | 0.00004 | 0.00008 | 0.00012 | 0.00103 | 0.00023 | 0.00025 | 0.00016 | 0.00033 |
| 73.BUSINESS SER | 0.02820 | 0.00743 | 0.02257 | 0.05411 | 0.00225 | 0.01315 | 0.04848 | 0.03900 | 0.00807 |
| 74.ALL DTHR SER | 0.02052 | 0.02040 | 0.00204 | 0.00216 | 0.00451 | 0.01795 | 0.01998 | 0.00600 | 0.01155 |
| 84.TOTAL PURCHS | 1.51519 | 1.12263 | 1.18121 | 1.41876 | 1.10295 | 1.65430 | 1.59523 | 1.21734 | 1.56583 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

| | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|-----------------|----------|---------|---------|----------|---------|----------|---------|---------|---------|
| 1.IRR-CROPS | 0.00158 | 0.00093 | 0.00832 | 0.00005 | 0.00688 | 0.00002 | 0.00001 | 0.00000 | 0.00002 |
| 2.DRYLAND COT | -0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.04296 | 0.06799 | 0.12114 | 0.00003 | 0.00006 | 0.00132 | 0.00014 | 0.00001 | 0.00004 |
| 4.RANGE L.S. | 0.07916 | 0.00002 | 0.00002 | 0.00002 | 0.00007 | 0.00005 | 0.00009 | 0.00001 | 0.00002 |
| 5.FEEDLOT L.S. | 0.06106 | 0.00001 | 0.00001 | 0.00001 | 0.00005 | 0.00004 | 0.00007 | 0.00001 | 0.00002 |
| 6.DAIRY | 0.00127 | 0.84955 | 0.00024 | 0.00024 | 0.00022 | 0.01615 | 0.00113 | 0.00011 | 0.00026 |
| 7.POULTRY EGGS | 0.35887 | 0.00007 | 0.00008 | 0.00008 | 0.00031 | 0.00022 | 0.00039 | 0.00004 | 0.00011 |
| 8.FORESTRY | 0.00036 | 0.00009 | 0.00003 | 0.00004 | 0.00006 | 0.00002 | 0.00001 | 0.00000 | 0.36844 |
| 9.AG SUPPLY | 0.01055 | 0.00780 | 0.00185 | 0.00003 | 0.00006 | 0.00017 | 0.00004 | 0.00000 | 0.00003 |
| 10.GINNING | -0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.09611 | 0.02249 | 0.00028 | 0.00004 | 0.00014 | 0.00049 | 0.00014 | 0.00001 | 0.00004 |
| 12.CRUDE PETRO | 0.00589 | 0.00529 | 0.00280 | 0.00393 | 0.00448 | 0.00445 | 0.00382 | 0.00084 | 0.00407 |
| 13.NAT GAS LIQ | 0.00011 | 0.00021 | 0.00011 | 0.00017 | 0.00017 | 0.00014 | 0.00024 | 0.00001 | 0.00044 |
| 14.OIL GAS SER | 0.00011 | 0.00010 | 0.00005 | 0.00008 | 0.00009 | 0.00009 | 0.00007 | 0.00002 | 0.00008 |
| 15.CONST HOME | -0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00002 | 0.00001 | 0.00000 | 0.00001 | 0.00001 | 0.00037 | 0.00000 | 0.00000 | 0.00000 |
| 18.CONST REPAIR | 0.01288 | 0.01009 | 0.00174 | 0.00586 | 0.00083 | 0.00107 | 0.00105 | 0.00015 | 0.00063 |
| 19.MEAT PROD | 1.00158 | 0.00020 | 0.00022 | 0.00023 | 0.00086 | 0.00062 | 0.00110 | 0.00011 | 0.00031 |
| 20.DAIRIES | 0.00035 | 1.00940 | 0.00029 | 0.00028 | 0.00026 | 0.01919 | 0.00135 | 0.00014 | 0.00031 |
| 21.MILLS | 0.18492 | 0.10517 | 1.03370 | 0.00007 | 0.00019 | 0.00211 | 0.00035 | 0.00004 | 0.00009 |
| 22.BAKERY | 0.00013 | 0.00012 | 0.00013 | 1.00949 | 0.00013 | 0.00182 | 0.00066 | 0.00007 | 0.00015 |
| 23.FOOD CAN FZN | 0.00024 | 0.00021 | 0.00023 | 0.00089 | 1.00023 | 0.00074 | 0.00119 | 0.00012 | 0.00027 |
| 24.OTHER FOOD | 0.00484 | 0.00019 | 0.00153 | 0.00004 | 0.00004 | 1.00004 | 0.00003 | 0.00000 | 0.00003 |
| 25.BEVERAGE | 0.00254 | 0.00147 | 0.01400 | 0.00001 | 0.00005 | 0.00005 | 1.00003 | 0.00001 | 0.00004 |
| 26.APPAREL | 0.00004 | 0.00004 | 0.00002 | 0.00002 | 0.00002 | 0.00001 | 0.00002 | 1.00000 | 0.00004 |
| 27.LOGS | 0.00129 | 0.00034 | 0.00012 | 0.00016 | 0.00022 | 0.00008 | 0.00005 | 0.00001 | 1.32809 |
| 28.LUMBER | 0.00567 | 0.00140 | 0.00044 | 0.00067 | 0.00099 | 0.00031 | 0.00014 | 0.00002 | 0.00011 |
| 29.MILL WORK | 0.03823 | 0.00343 | 0.00277 | 0.00050 | 0.00013 | 0.00017 | 0.00015 | 0.00002 | 0.00017 |
| 30.FURNITURE | 0.00018 | 0.00014 | 0.00005 | 0.00010 | 0.00004 | 0.00005 | 0.00015 | 0.00002 | 0.00097 |
| 31.PAPER PROD | 0.00512 | 0.00022 | 0.00013 | 0.00079 | 0.04823 | 0.00845 | 0.00031 | 0.00027 | 0.00025 |
| 32.PRINT PUB | 0.00029 | 0.00036 | 0.00038 | 0.00071 | 0.00007 | 0.00004 | 0.00021 | 0.00017 | 0.00055 |
| 33.OTHER PRINT | 0.00034 | 0.00028 | 0.00017 | 0.00009 | 0.00028 | 0.00008 | 0.00017 | 0.00006 | 0.00033 |
| 34.CHEM PET PRO | 0.00893 | 0.02313 | 0.01252 | 0.01384 | 0.01884 | 0.01593 | 0.01123 | 0.00087 | 0.04959 |
| 35.AG CHEM | 0.00029 | 0.00056 | 0.00017 | 0.00002 | 0.00002 | 0.00002 | 0.00001 | 0.00000 | 0.00003 |
| 36.GLASS | 0.00028 | 0.00001 | 0.00009 | 0.00000 | 0.00006 | 0.05859 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00030 | 0.00024 | 0.00003 | 0.00008 | 0.00001 | 0.00004 | 0.00002 | 0.00001 | 0.00001 |
| 38.STONE | 0.00015 | 0.00009 | 0.00004 | 0.00005 | 0.00005 | 0.00005 | 0.00022 | 0.00002 | 0.00003 |
| 39.CEMENT | 0.00072 | 0.00056 | 0.00009 | 0.00024 | 0.00004 | 0.00011 | 0.00020 | 0.00001 | 0.00004 |
| 40.FOUNDRIES | 0.00089 | 0.00077 | 0.00039 | 0.00032 | 0.00034 | 0.00021 | 0.00570 | 0.00004 | 0.00141 |
| 41.FABRICAT MET | 0.00034 | 0.00026 | 0.00007 | 0.00015 | 0.00003 | 0.00010 | 0.00004 | 0.00000 | 0.00006 |
| 42.PLATE WORK | 0.00001 | 0.00001 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 |
| 44.METAL DDOR | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.00043 | 0.00043 | 0.00016 | 0.00015 | 0.00005 | 0.00007 | 0.00008 | 0.00002 | 0.00065 |
| 46.INDUST MACH | 0.00017 | 0.00014 | 0.00006 | 0.00007 | 0.00003 | 0.00007 | 0.00006 | 0.00001 | 0.00061 |
| 47.SERVIC MACH | 0.00007 | 0.00006 | 0.00001 | 0.00003 | 0.00001 | 0.00001 | 0.00001 | 0.00000 | 0.00000 |
| 48.EL ECT MACH | 0.00011 | 0.00008 | 0.00003 | 0.00005 | 0.00001 | 0.00002 | 0.00026 | 0.00000 | 0.00002 |
| 49.TRANS MACH | 0.00006 | 0.00003 | 0.00003 | 0.00002 | 0.00002 | 0.00006 | 0.00013 | 0.00001 | 0.00812 |
| 50.SCIENC-EQUIP | 0.00002 | 0.00002 | 0.00002 | 0.00002 | 0.00002 | 0.00003 | 0.00012 | 0.00001 | 0.00043 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00024 | 0.00005 | 0.00006 | 0.00004 | 0.00016 | 0.00003 | 0.00006 | 0.00002 | 0.00068 |
| 53.ORDNANCE | -0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00139 | 0.00078 | 0.00265 | 0.00024 | 0.00041 | 0.00661 | 0.00053 | 0.00006 | 0.00089 |
| 55.MOTOR FREIGT | 0.00935 | 0.04637 | 0.01531 | 0.00569 | 0.05045 | 0.00512 | 0.00172 | 0.00682 | 0.00233 |
| 56.PIPELINE | 0.00001 | 0.00003 | 0.00001 | 0.00002 | 0.00002 | 0.00002 | 0.00000 | 0.00000 | 0.00013 |
| 57.OTHER TRANS | 0.00016 | 0.00012 | 0.00015 | 0.00006 | 0.00052 | 0.00012 | 0.00011 | 0.00003 | 0.00358 |
| 58.T AND T | 0.00571 | 0.00660 | 0.00408 | 0.00356 | 0.00527 | 0.00344 | 0.00573 | 0.00209 | 0.00710 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00031 | 0.00024 | 0.00088 | 0.00049 | 0.00005 | 0.00010 | 0.00878 | 0.00001 | 0.00011 |
| 60.OTHER COMM | 0.00002 | 0.00001 | 0.00010 | 0.00002 | 0.00000 | 0.00000 | 0.00683 | 0.00000 | 0.00000 |
| 61.GAS | 0.00587 | 0.00470 | 0.00248 | 0.00362 | 0.00402 | 0.00409 | 0.00358 | 0.00086 | 0.00240 |
| 62.ELECTRICITY | 0.01084 | 0.00839 | 0.00777 | 0.00653 | 0.00597 | 0.00538 | 0.00732 | 0.00284 | 0.00195 |
| 63.WATER | 0.00274 | 0.00101 | 0.00062 | 0.00076 | 0.00083 | 0.00097 | 0.00586 | 0.00042 | 0.00029 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00009 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01382 | 0.01750 | 0.00713 | 0.00945 | 0.00861 | 0.00538 | 0.00662 | 0.00090 | 0.01068 |
| 67.RETL AG EQUIP | 0.00006 | 0.00009 | 0.00008 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00811 | 0.01249 | 0.00421 | 0.00198 | 0.00153 | 0.00110 | 0.00747 | 0.00031 | 0.01274 |
| 69.FIN-INS-REST | 0.03646 | 0.04762 | 0.02218 | 0.01270 | 0.02903 | 0.01414 | 0.03318 | 0.00740 | 0.03798 |
| 70.LEGAL | 0.00054 | 0.00091 | 0.00050 | 0.00077 | 0.00129 | 0.00065 | 0.00040 | 0.00013 | 0.00139 |
| 71.LODGING | 0.00025 | 0.00025 | 0.00094 | 0.00003 | 0.00030 | 0.00057 | 0.00377 | 0.00002 | 0.00008 |
| 72.PERSONAL SER | 0.00023 | 0.00004 | 0.00009 | 0.00024 | 0.00008 | 0.00009 | 0.00215 | 0.00001 | 0.00020 |
| 73.BUSINESS SER | 0.00504 | 0.00313 | 0.00470 | 0.00175 | 0.02455 | 0.00146 | 0.00276 | 0.00100 | 0.11800 |
| 74.ALL OTHR SER | 0.00651 | 0.00599 | 0.00662 | 0.00706 | 0.00674 | 0.01028 | 0.03435 | 0.00345 | 0.00793 |
| 84.TOTAL PURCHS | 2.03718 | 2.27032 | 1.28508 | 1.09468 | 1.22525 | 1.19321 | 1.16242 | 1.02960 | 1.98079 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|-----------------|---------|---------|----------|---------|----------|----------|---------|---------|---------|
| 1.IRR-CROPS | 0.00003 | 0.00000 | 0.00000 | 0.00000 | 0.00012 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00023 | 0.00002 | 0.00002 | 0.00002 | 0.00143 | 0.00002 | 0.00003 | 0.00000 | 0.00003 |
| 4.RANGE L.S. | 0.00014 | 0.00002 | 0.00001 | 0.00001 | 0.00089 | 0.00001 | 0.00000 | 0.00000 | 0.00002 |
| 5.FEEDLOT L.S. | 0.00011 | 0.00001 | 0.00001 | 0.00001 | 0.00069 | 0.00001 | 0.00000 | 0.00000 | 0.00002 |
| 6.DAIRY | 0.00188 | 0.00019 | 0.00016 | 0.00018 | 0.01170 | 0.00019 | 0.00002 | 0.00001 | 0.00028 |
| 7.Poultry EGGS | 0.00065 | 0.00007 | 0.00006 | 0.00006 | 0.00404 | 0.00007 | 0.00002 | 0.00000 | 0.00010 |
| 8.FORESTRY | 0.06515 | 0.00591 | 0.00038 | 0.00104 | 0.00004 | 0.00006 | 0.00002 | 0.00001 | 0.00016 |
| 9.AG SUPPLY | 0.00022 | 0.00002 | 0.00001 | 0.00001 | 0.00025 | 0.00014 | 0.00001 | 0.00001 | 0.00004 |
| 10.GINNING | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.01422 | 0.00112 | 0.00010 | 0.00025 | 0.00140 | 0.00003 | 0.00001 | 0.00000 | 0.00007 |
| 12.CRUDE PETRO | 0.00574 | 0.00409 | 0.02081 | 0.00433 | 0.00576 | 0.00291 | 0.07843 | 0.00101 | 0.02491 |
| 13.NAT GAS LIQ | 0.00014 | 0.00005 | 0.00015 | 0.00010 | 0.00015 | 0.00003 | 0.00959 | 0.00003 | 0.00027 |
| 14.OIL GAS SER | 0.00011 | 0.00008 | 0.00040 | 0.00008 | 0.00028 | 0.00006 | 0.00150 | 0.00002 | 0.00048 |
| 15.CONST HOME | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00000 | 0.00000 | 0.00027 |
| 18.CONST REPAIR | 0.00092 | 0.00159 | 0.00102 | 0.00126 | 0.00292 | 0.00050 | 0.00116 | 0.00163 | 0.00115 |
| 19.MEAT PROD | 0.00182 | 0.00019 | 0.00016 | 0.00018 | 0.01128 | 0.00019 | 0.00005 | 0.00001 | 0.00027 |
| 20.DAIRIES | 0.00223 | 0.00023 | 0.00018 | 0.00021 | 0.01388 | 0.00023 | 0.00002 | 0.00001 | 0.00033 |
| 21.MILLS | 0.00058 | 0.00006 | 0.00005 | 0.00006 | 0.00360 | 0.00006 | 0.00001 | 0.00000 | 0.00009 |
| 22.BAKERY | 0.00109 | 0.00011 | 0.00009 | 0.00011 | 0.00680 | 0.00011 | 0.00001 | 0.00000 | 0.00016 |
| 23.FOOD CAN FZN | 0.00196 | 0.00020 | 0.00016 | 0.00019 | 0.01221 | 0.00020 | 0.00002 | 0.00001 | 0.00029 |
| 24.OTHER FOOD | 0.00010 | 0.00004 | 0.00002 | 0.00001 | 0.00014 | 0.00012 | 0.00002 | 0.00003 | 0.00004 |
| 25.BEVERAGE | 0.00005 | 0.00002 | 0.00002 | 0.00044 | 0.00008 | 0.00002 | 0.00002 | 0.00002 | 0.00007 |
| 26.APPAREL | 0.00004 | 0.00001 | 0.00001 | 0.00001 | 0.00006 | 0.00012 | 0.00004 | 0.00001 | 0.00004 |
| 27.LOGS | 0.23485 | 0.02130 | 0.00137 | 0.00375 | 0.00013 | 0.00020 | 0.00006 | 0.00004 | 0.00059 |
| 28.LUMBER | 1.16802 | 0.09129 | 0.00648 | 0.01864 | 0.00051 | 0.00024 | 0.00021 | 0.00018 | 0.00272 |
| 29.MILL WORK | 0.00018 | 1.00014 | 0.02123 | 0.00012 | 0.00075 | 0.00006 | 0.00071 | 0.00014 | 0.00013 |
| 30.FURNITURE | 0.00040 | 0.00006 | 1.00025 | 0.00004 | 0.00141 | 0.00003 | 0.00002 | 0.00002 | 0.00005 |
| 31.PAPER PROD | 0.00052 | 0.00108 | 0.00010 | 1.00152 | 0.00272 | 0.00987 | 0.00088 | 0.00002 | 0.10998 |
| 32.PRINT PUB | 0.00059 | 0.00023 | 0.00012 | 0.00006 | 1.00064 | 0.00028 | 0.00009 | 0.00001 | 0.00009 |
| 33.OTHER PRINT | 0.00026 | 0.00171 | 0.00141 | 0.00007 | 0.02506 | 1.00708 | 0.00012 | 0.00010 | 0.00009 |
| 34.CHEM PET PRO | 0.01593 | 0.00544 | 0.00533 | 0.01110 | 0.01518 | 0.00378 | 1.07970 | 0.00377 | 0.00961 |
| 35.AG CHEM | 0.00005 | 0.00001 | 0.00001 | 0.00001 | 0.00003 | 0.00011 | 0.00001 | 1.00000 | 0.00003 |
| 36.GLASS | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00004 | 0.00001 | 0.00000 | 0.00000 | 1.00000 |
| 37.CLAY | 0.00007 | 0.00004 | 0.00002 | 0.00002 | 0.00005 | 0.00001 | 0.00002 | 0.00002 | 0.00005 |
| 38.STONE | 0.00005 | 0.00003 | 0.00004 | 0.00001 | 0.00015 | 0.00013 | 0.00009 | 0.00002 | 0.00009 |
| 39.CEMENT | 0.00010 | 0.00008 | 0.00006 | 0.00005 | 0.00013 | 0.00003 | 0.00005 | 0.00007 | 0.00006 |
| 40.FOUNDRIES | 0.00057 | 0.00039 | 0.00036 | 0.00015 | 0.00077 | 0.00220 | 0.00032 | 0.00032 | 0.00075 |
| 41.FABRICAT MET | 0.00003 | 0.00020 | 0.00011 | 0.00003 | 0.00010 | 0.00002 | 0.00010 | 0.00023 | 0.00009 |
| 42.PLATE WORK | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 |
| 44.METAL DOOR | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00007 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 45.OTHER METAL | 0.00035 | 0.00012 | 0.00015 | 0.00005 | 0.00030 | 0.00174 | 0.00049 | 0.00005 | 0.00044 |
| 46.INDUST MACH | 0.00113 | 0.00058 | 0.00132 | 0.00004 | 0.00038 | 0.00002 | 0.00061 | 0.00011 | 0.00008 |
| 47.SERVIC MACH | 0.00001 | 0.00001 | 0.00001 | 0.00001 | 0.00004 | 0.00000 | 0.00001 | 0.00001 | 0.00001 |
| 48.ELECT MACH | 0.00003 | 0.00003 | 0.00002 | 0.00001 | 0.00014 | 0.00001 | 0.00004 | 0.00003 | 0.00002 |
| 49.TRANS MACH | 0.00151 | 0.00053 | 0.00006 | 0.00093 | 0.00051 | 0.00002 | 0.00004 | 0.00010 | 0.00009 |
| 50.SCIENC-EQUIP | 0.00022 | 0.00002 | 0.00001 | 0.00002 | 0.00092 | 0.00002 | 0.00002 | 0.00000 | 0.00002 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00022 | 0.00007 | 0.00009 | 0.00005 | 0.00025 | 0.00006 | 0.00030 | 0.00001 | 0.00008 |
| 53.ORDNANCE | 0.00000 | 0.00000 | -0.00000 | 0.00000 | -0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00038 | 0.01441 | 0.00689 | 0.00011 | 0.00248 | 0.00084 | 0.00560 | 0.01665 | 0.00229 |
| 55.MOTOR FREIGT | 0.00185 | 0.00568 | 0.00855 | 0.03255 | 0.00482 | 0.00432 | 0.00850 | 0.00023 | 0.00274 |
| 56.PIPELINE | 0.00003 | 0.00001 | 0.00001 | 0.00001 | 0.00002 | 0.00000 | 0.00127 | 0.00000 | 0.00003 |
| 57.OTHER TRANS | 0.00078 | 0.00032 | 0.00033 | 0.00012 | 0.00068 | 0.00016 | 0.00025 | 0.00022 | 0.00011 |
| 58.T AND T | 0.00498 | 0.01092 | 0.00648 | 0.00387 | 0.00985 | 0.00592 | 0.00329 | 0.00463 | 0.00612 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00017 | 0.00020 | 0.00011 | 0.00004 | 0.00023 | 0.00007 | 0.00011 | 0.00019 | 0.00009 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 61.GAS | 0.00546 | 0.00412 | 0.00609 | 0.00415 | 0.00548 | 0.00293 | 0.04179 | 0.00093 | 0.02520 |
| 62.ELECTRICITY | 0.01977 | 0.01031 | 0.00675 | 0.00687 | 0.01063 | 0.00837 | 0.01438 | 0.00082 | 0.01647 |
| 63.WATER | 0.00050 | 0.00055 | 0.00084 | 0.00012 | 0.00343 | 0.00094 | 0.00152 | 0.00037 | 0.00182 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01207 | 0.00374 | 0.00343 | 0.00254 | 0.00885 | 0.05733 | 0.00506 | 0.00254 | 0.01462 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.01308 | 0.00199 | 0.00185 | 0.00132 | 0.00215 | 0.00145 | 0.00113 | 0.00011 | 0.00194 |
| 69.FIN-INS-REST | 0.04237 | 0.02087 | 0.02413 | 0.01255 | 0.02900 | 0.01899 | 0.01751 | 0.01854 | 0.01046 |
| 70.LEGAL | 0.00069 | 0.00048 | 0.00069 | 0.00061 | 0.00087 | 0.00028 | 0.00042 | 0.00136 | 0.00084 |
| 71.LODGING | 0.00009 | 0.00004 | 0.00044 | 0.00033 | 0.00154 | 0.00004 | 0.00009 | 0.00004 | 0.00099 |
| 72.PERSONAL SER | 0.00011 | 0.00014 | 0.00009 | 0.00055 | 0.00051 | 0.00013 | 0.00006 | 0.00014 | 0.00014 |
| 73.BUSINESS SER | 0.02500 | 0.00567 | 0.01126 | 0.00499 | 0.02509 | 0.00542 | 0.00569 | 0.00130 | 0.00270 |
| 74.ALL QTHR SER | 0.05679 | 0.00579 | 0.00470 | 0.00547 | 0.35420 | 0.00578 | 0.00060 | 0.00025 | 0.00839 |
| 84.TOTAL PURCHS | 1.70663 | 1.22263 | 1.14490 | 1.12025 | 1.58784 | 1.14395 | 1.28213 | 1.05640 | 1.36511 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

| | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|-----------------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00001 | 0.00002 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00012 | 0.00026 | 0.00004 | 0.00001 | 0.00001 | 0.00001 | 0.00003 | 0.00004 | 0.00012 |
| 4.RANGE L.S. | 0.00007 | 0.00016 | 0.00002 | 0.00000 | 0.00001 | 0.00000 | 0.00002 | 0.00003 | 0.00007 |
| 5.FEEDLOT L.S. | 0.00006 | 0.00013 | 0.00002 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00002 | 0.00006 |
| 6.DAIRY | 0.00097 | 0.00214 | 0.00032 | 0.00004 | 0.00008 | 0.00005 | 0.00024 | 0.00029 | 0.00094 |
| 7.POULTRY EGGS | 0.00034 | 0.00074 | 0.00011 | 0.00001 | 0.00003 | 0.00002 | 0.00008 | 0.00011 | 0.00033 |
| 8.FDRESTRY | 0.00001 | 0.00005 | 0.00005 | 0.00007 | 0.00002 | 0.00001 | 0.00002 | 0.00001 | 0.00002 |
| 9.AG SUPPLY | 0.00003 | 0.00006 | 0.00002 | 0.00003 | 0.00003 | 0.00002 | 0.00002 | 0.00002 | 0.00005 |
| 10.GINNING | 0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00012 | 0.00026 | 0.00005 | 0.00001 | 0.00001 | 0.00001 | 0.00003 | 0.00004 | 0.00012 |
| 12.CRUDE PETRO | 0.04450 | 0.01360 | 0.00323 | 0.00292 | 0.00222 | 0.00489 | 0.00268 | 0.01039 | 0.00309 |
| 13.NAT GAS LIQ | 0.00009 | 0.00090 | 0.00020 | 0.00007 | 0.00002 | 0.00002 | 0.00008 | 0.00020 | 0.00011 |
| 14.OIL GAS SER | 0.00085 | 0.00026 | 0.00006 | 0.00006 | 0.00004 | 0.00009 | 0.00005 | 0.00020 | 0.00006 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00001 | 0.00001 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 18.CONST REPAIP | 0.00112 | 0.00584 | 0.00707 | 0.00568 | 0.00162 | 0.00052 | 0.00184 | 0.00048 | 0.00059 |
| 19.MEAT PROD | 0.00095 | 0.00207 | 0.00031 | 0.00004 | 0.00008 | 0.00005 | 0.00023 | 0.00032 | 0.00091 |
| 20.DAIRIES | 0.00116 | 0.00254 | 0.00038 | 0.00005 | 0.00010 | 0.00006 | 0.00028 | 0.00034 | 0.00112 |
| 21.MILLS | 0.00030 | 0.00066 | 0.00010 | 0.00002 | 0.00003 | 0.00002 | 0.00008 | 0.00010 | 0.00029 |
| 22.BAKERY | 0.00057 | 0.00124 | 0.00019 | 0.00002 | 0.00005 | 0.00003 | 0.00014 | 0.00017 | 0.00055 |
| 23.FOOD CAN FZN | 0.00102 | 0.00224 | 0.00034 | 0.00004 | 0.00009 | 0.00005 | 0.00025 | 0.00030 | 0.00099 |
| 24.OTHER FOOD | 0.00002 | 0.00013 | 0.00014 | 0.00013 | 0.00004 | 0.00002 | 0.00003 | 0.00001 | 0.00003 |
| 25.BEVERAGE | 0.00003 | 0.00004 | 0.00003 | 0.00001 | 0.00002 | 0.00002 | 0.00011 | 0.00001 | 0.00002 |
| 26.APPAREL | 0.00002 | 0.00003 | 0.00002 | 0.00003 | 0.00002 | 0.00002 | 0.00002 | 0.00001 | 0.00003 |
| 27.LOGS | 0.00005 | 0.00016 | 0.00018 | 0.00024 | 0.00006 | 0.00004 | 0.00006 | 0.00003 | 0.00008 |
| 28.LUMBER | 0.00015 | 0.00069 | 0.00079 | 0.00076 | 0.00018 | 0.00006 | 0.00021 | 0.00007 | 0.00023 |
| 29.MILL WORK | 0.00015 | 0.00063 | 0.00061 | 0.00052 | 0.00014 | 0.00005 | 0.00017 | 0.00011 | 0.00010 |
| 30.FURNITURE | 0.00013 | 0.00053 | 0.00013 | 0.00007 | 0.00003 | 0.00001 | 0.00006 | 0.00004 | 0.00012 |
| 31.PAPER PROD | 0.00025 | 0.00067 | 0.00015 | 0.00010 | 0.00009 | 0.00010 | 0.00012 | 0.00012 | 0.00072 |
| 32.PRINT PUB | 0.00064 | 0.00014 | 0.00092 | 0.00007 | 0.00004 | 0.00022 | 0.00182 | 0.00010 | 0.00010 |
| 33.OTHER PRINT | 0.00024 | 0.00027 | 0.00030 | 0.00017 | 0.00013 | 0.00143 | 0.00050 | 0.00019 | 0.00014 |
| 34.CHEM PET PRO | 0.00917 | 0.09231 | 0.02238 | 0.00754 | 0.00198 | 0.00164 | 0.00836 | 0.02259 | 0.01055 |
| 35.AG CHEM | 0.00001 | 0.00002 | 0.00001 | 0.00002 | 0.00002 | 0.00002 | 0.00001 | 0.00001 | 0.00002 |
| 36.GLASS | 0.00000 | 0.00001 | 0.00001 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 1.00392 | 0.00009 | 0.00014 | 0.00036 | 0.00002 | 0.00001 | 0.00003 | 0.00001 | 0.00001 |
| 38.STONE | 0.03069 | 1.02907 | 0.03812 | 0.00008 | 0.00008 | 0.00008 | 0.00460 | 0.00011 | 0.00004 |
| 39.CEMENT | 0.00121 | 0.03925 | 1.00177 | 0.00062 | 0.00007 | 0.00003 | 0.11992 | 0.00003 | 0.00003 |
| 40.FOUNDRIES | 0.00054 | 0.01246 | 0.00185 | 1.00269 | 0.00223 | 0.00007 | 0.00035 | 0.00094 | 0.00158 |
| 41.FABRICAT MET | 0.00005 | 0.00078 | 0.00100 | 0.00082 | 1.00074 | 0.00870 | 0.00015 | 0.00002 | 0.00071 |
| 42.PLATE WORK | 0.00000 | 0.00001 | 0.00001 | 0.00001 | 0.00000 | 1.00057 | 0.00000 | 0.00000 | 0.00000 |
| 43.SHEET METAL | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 1.00000 | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00001 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 1.00000 | 0.00001 |
| 45.OTHER METAL | 0.00043 | 0.01239 | 0.00066 | 0.00016 | 0.00018 | 0.00003 | 0.00014 | 0.00007 | 1.00677 |
| 46.INDUST MACH | 0.00005 | 0.00050 | 0.00049 | 0.00039 | 0.00009 | 0.00001 | 0.00008 | 0.00003 | 0.00221 |
| 47.SERVIC MACH | 0.00001 | 0.00004 | 0.00004 | 0.00003 | 0.00001 | 0.00000 | 0.00001 | 0.00000 | 0.00000 |
| 48.ELECT MACH | 0.00002 | 0.00013 | 0.00014 | 0.00011 | 0.00003 | 0.00001 | 0.00003 | 0.00001 | 0.00002 |
| 49.TRANS MACH | 0.00005 | 0.00043 | 0.00047 | 0.00037 | 0.00009 | 0.00000 | 0.00007 | 0.00001 | 0.00004 |
| 50.SCIENC-EQUIP | 0.00008 | 0.00017 | 0.00003 | 0.00001 | 0.00001 | 0.00001 | 0.00002 | 0.00002 | 0.00007 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00011 | 0.00008 | 0.00006 | 0.00003 | 0.00003 | 0.00004 | 0.00005 | 0.00048 | 0.00005 |
| 53.ORDNANCE | 0.00000 | 0.00000 | 0.00000 | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.00180 | 0.05600 | 0.07343 | 0.06036 | 0.01316 | 0.00025 | 0.00893 | 0.00028 | 0.00031 |
| 55.MOTOR FREIGT | 0.04453 | 0.00901 | 0.01085 | 0.01737 | 0.00717 | 0.01699 | 0.02072 | 0.01404 | 0.02281 |
| 56.PIPELINE | 0.00001 | 0.00011 | 0.00003 | 0.00001 | 0.00000 | 0.00000 | 0.00001 | 0.00003 | 0.00001 |
| 57.OTHER TRANS | 0.00018 | 0.00087 | 0.00098 | 0.00070 | 0.00020 | 0.00004 | 0.00027 | 0.00166 | 0.00010 |
| 58.T AND T | 0.00728 | 0.00905 | 0.00619 | 0.00507 | 0.00406 | 0.00110 | 0.00974 | 0.02551 | 0.00569 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00012 | 0.00069 | 0.00143 | 0.00067 | 0.00017 | 0.00010 | 0.00026 | 0.00003 | 0.00006 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 61.GAS | 0.04668 | 0.01084 | 0.00256 | 0.00280 | 0.00227 | 0.00510 | 0.00252 | 0.00430 | 0.00285 |
| 62.ELECTRICITY | 0.02264 | 0.00856 | 0.00340 | 0.00531 | 0.00516 | 0.01219 | 0.00660 | 0.00415 | 0.00740 |
| 63.WATER | 0.00096 | 0.00123 | 0.00254 | 0.00036 | 0.00093 | 0.00194 | 0.00098 | 0.00302 | 0.00048 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.00532 | 0.00816 | 0.00605 | 0.01148 | 0.00986 | 0.00884 | 0.00685 | 0.00499 | 0.01124 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00185 | 0.00276 | 0.00538 | 0.00190 | 0.00089 | 0.01038 | 0.00390 | 0.00074 | 0.00244 |
| 69.FIN-INS-REST | 0.02799 | 0.03147 | 0.02633 | 0.01277 | 0.02401 | 0.01619 | 0.11571 | 0.01087 | 0.01902 |
| 70.LEGAL | 0.00150 | 0.00050 | 0.00220 | 0.00037 | 0.00112 | 0.00054 | 0.00206 | 0.00048 | 0.00047 |
| 71.LODGING | 0.00062 | 0.00008 | 0.00010 | 0.00003 | 0.00006 | 0.00004 | 0.00024 | 0.00003 | 0.00004 |
| 72.PERSONAL SER | 0.00008 | 0.00055 | 0.00077 | 0.00051 | 0.00012 | 0.00001 | 0.00251 | 0.00013 | 0.00004 |
| 73.BUSINESS SER | 0.00546 | 0.00324 | 0.00799 | 0.00135 | 0.00177 | 0.00092 | 0.00415 | 0.08196 | 0.00321 |
| 74.ALL DTHR SER | 0.02947 | 0.06481 | 0.00970 | 0.00116 | 0.00247 | 0.00147 | 0.00713 | 0.00869 | 0.02860 |
| 84.TOTAL PURCHS | 1.29681 | 1.43216 | 1.24295 | 1.14661 | 1.08417 | 1.09517 | 1.33553 | 1.19896 | 1.14508 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

| | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 |
|-----------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00000 | 0.00001 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00014 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00002 | 0.00006 | 0.00007 | 0.00001 | 0.00000 | 0.00002 | 0.00381 | 0.00000 | 0.00002 |
| 4.RANGE L.S. | 0.00001 | 0.00004 | 0.00004 | 0.00000 | 0.00000 | 0.00001 | 0.00697 | 0.00000 | 0.00001 |
| 5.FEEDLOT L.S. | 0.00001 | 0.00003 | 0.00003 | 0.00000 | 0.00000 | 0.00001 | 0.00538 | 0.00000 | 0.00001 |
| 6.DAIRY | 0.00014 | 0.00052 | 0.00056 | 0.00004 | 0.00001 | 0.00015 | 0.00040 | 0.00002 | 0.00014 |
| 7.POULTRY EGGS | 0.00005 | 0.00019 | 0.00020 | 0.00002 | 0.00000 | 0.00005 | 0.03162 | 0.00001 | 0.00003 |
| 8.FORESTRY | 0.00006 | 0.00001 | 0.00011 | 0.00007 | 0.00000 | 0.00000 | 0.00341 | 0.00002 | 0.00060 |
| 9.AG SUPPLY | 0.00003 | 0.00004 | 0.00009 | 0.00001 | 0.00001 | 0.00000 | 0.00097 | 0.00001 | 0.00002 |
| 10.GINNING | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00003 | 0.00006 | 0.00009 | 0.00002 | 0.00000 | 0.00002 | 0.00875 | 0.00001 | 0.00014 |
| 12.CRUDE PETRO | 0.00571 | 0.00359 | 0.00381 | 0.00105 | 0.00080 | 0.00142 | 0.00384 | 0.00656 | 0.00525 |
| 13.NAT GAS LIQ | 0.00049 | 0.00007 | 0.00032 | 0.00001 | 0.00003 | 0.00002 | 0.00007 | 0.00003 | 0.00039 |
| 14.OIL GAS SER | 0.00011 | 0.00007 | 0.00007 | 0.00002 | 0.00002 | 0.00003 | 0.00007 | 0.00013 | 0.00010 |
| 15.CONST HOME | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00267 | 0.00000 | 0.00002 |
| 17.CONST FACIL | 0.00006 | 0.00000 | 0.00002 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00012 |
| 18.CONST REPAIR | 0.00467 | 0.00054 | 0.01280 | 0.00026 | 0.00016 | 0.00019 | 0.00283 | 0.00161 | 0.09434 |
| 19.MEAT PROD | 0.00015 | 0.00052 | 0.00056 | 0.00004 | 0.00001 | 0.00015 | 0.08825 | 0.00002 | 0.00008 |
| 20.DAIRIES | 0.00017 | 0.00062 | 0.00065 | 0.00005 | 0.00001 | 0.00018 | 0.00038 | 0.00002 | 0.00012 |
| 21.MILLS | 0.00005 | 0.00016 | 0.00018 | 0.00001 | 0.00000 | 0.00005 | 0.01633 | 0.00001 | 0.00003 |
| 22.BAKERY | 0.00008 | 0.00030 | 0.00032 | 0.00002 | 0.00001 | 0.00009 | 0.00018 | 0.00001 | 0.00005 |
| 23.FOOD CAN FZN | 0.00015 | 0.00055 | 0.00057 | 0.00004 | 0.00001 | 0.00016 | 0.00032 | 0.00002 | 0.00008 |
| 24.OTHER FOOD | 0.00003 | 0.00003 | 0.00007 | 0.00001 | 0.00001 | 0.00000 | 0.00082 | 0.00003 | 0.00176 |
| 25.BEVERAGE | 0.00001 | 0.00004 | 0.00002 | 0.00000 | 0.00001 | 0.00001 | 0.00024 | 0.00002 | 0.00004 |
| 26.APPAREL | 0.00179 | 0.00003 | 0.00008 | 0.00001 | 0.00001 | 0.00000 | 0.00004 | 0.00001 | 0.00007 |
| 27.LOGS | 0.00023 | 0.00005 | 0.00039 | 0.00024 | 0.00001 | 0.00001 | 0.01228 | 0.00007 | 0.00215 |
| 28.LUMBER | 0.00097 | 0.00008 | 0.00146 | 0.00117 | 0.00002 | 0.00003 | 0.02362 | 0.00022 | 0.01046 |
| 29.MILL WORK | 0.00052 | 0.00009 | 0.00112 | 0.00004 | 0.00002 | 0.00003 | 0.08659 | 0.00015 | 0.00781 |
| 30.FURNITURE | 0.00007 | 0.00007 | 0.00021 | 0.00001 | 0.00000 | 0.00002 | 0.00000 | 0.00002 | 0.00109 |
| 31.PAPER PROD | 0.00057 | 0.00043 | 0.00163 | 0.00018 | 0.00003 | 0.00005 | 0.00464 | 0.00004 | 0.00025 |
| 32.PRINT PUB | 0.00007 | 0.00013 | 0.00013 | 0.00007 | 0.00006 | 0.00477 | 0.00631 | 0.00005 | 0.00018 |
| 33.OTHER PRINT | 0.00030 | 0.00022 | 0.00019 | 0.00102 | 0.00006 | 0.00085 | 0.00294 | 0.00011 | 0.00165 |
| 34.CHEM PET PRO | 0.05526 | 0.00755 | 0.02607 | 0.00152 | 0.00322 | 0.00176 | 0.00730 | 0.00342 | 0.04088 |
| 35.AG CHEM | 0.00003 | 0.00002 | 0.00006 | 0.00000 | 0.00001 | 0.00000 | 0.00005 | 0.00001 | 0.00002 |
| 36.GLASS | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00005 | 0.00000 | 0.00010 |
| 37.CLAY | 0.00007 | 0.00001 | 0.00018 | 0.00059 | 0.00000 | 0.00000 | 0.00012 | 0.00009 | 0.00133 |
| 38.STONE | 0.00008 | 0.00004 | 0.00011 | 0.00010 | 0.00001 | 0.00013 | 0.00020 | 0.00004 | 0.00034 |
| 39.CEMENT | 0.00030 | 0.00003 | 0.00052 | 0.00097 | 0.00001 | 0.00001 | 0.00026 | 0.00016 | 0.00383 |
| 40.FOUNDRIES | 0.00833 | 0.00059 | 0.00204 | 0.00014 | 0.00002 | 0.00008 | 0.00092 | 0.24274 | 0.01863 |
| 41.FABRICAT MET | 0.00586 | 0.00004 | 0.00033 | 0.00004 | 0.00001 | 0.00001 | 0.00133 | 0.00020 | 0.01412 |
| 42.PLATE WORK | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00010 |
| 43.SHEET METAL | 0.00084 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00000 | 0.00002 |
| 44.METAL DOOR | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00003 |
| 45.OTHER METAL | 0.04209 | 0.03108 | 0.00410 | 0.01813 | 0.00001 | 0.00007 | 0.00276 | 0.00005 | 0.00242 |
| 46.INDUST MACH | 1.01440 | 0.00009 | 0.00016 | 0.00005 | 0.00000 | 0.00001 | 0.00020 | 0.00010 | 0.00667 |
| 47.SERVIC MACH | 0.00003 | 1.00000 | 0.00007 | 0.00000 | 0.00000 | 0.00000 | 0.00002 | 0.00001 | 0.00051 |
| 48.ELECT MACH | 0.00174 | 0.00001 | 1.00092 | 0.00000 | 0.00000 | 0.00000 | 0.00005 | 0.00003 | 0.00189 |
| 49.TRANS MACH | 0.00005 | 0.00002 | 0.00005 | 1.00001 | 0.00000 | 0.00001 | 0.00013 | 0.00009 | 0.00646 |
| 50.SCIENC-EQUIP | 0.00001 | 0.00004 | 0.00005 | 0.00000 | 1.00000 | 0.00001 | 0.00004 | 0.00000 | 0.00008 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 1.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00009 | 0.00018 | 0.00032 | 0.00001 | 0.00001 | 0.00004 | 1.00013 | 0.00006 | 0.00012 |
| 53.ORDNANCE | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 1.00000 | 0.00000 |
| 54.RAIL | 0.00125 | 0.00023 | 0.00073 | 0.00162 | 0.00007 | 0.00005 | 0.00164 | 0.01464 | 1.05058 |
| 55.MOTOR FREIGT | 0.01341 | 0.00249 | 0.00639 | 0.00399 | 0.00010 | 0.00422 | 0.01850 | 0.00906 | 0.00958 |
| 56.PIPELINE | 0.00007 | 0.00001 | 0.00003 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00005 |
| 57.OTHER TRANS | 0.00027 | 0.00056 | 0.00102 | 0.00004 | 0.00002 | 0.00012 | 0.00033 | 0.00020 | 0.01151 |
| 58.T AND T | 0.00380 | 0.00863 | 0.00913 | 0.00642 | 0.00572 | 0.00298 | 0.00766 | 0.00318 | 0.00206 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00005 | 0.00007 | 0.00007 | 0.00004 | 0.00002 | 0.00002 | 0.00009 | 0.00022 | 0.01099 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 |
| 61.GAS | 0.00393 | 0.00351 | 0.00302 | 0.00105 | 0.00072 | 0.00143 | 0.00378 | 0.00680 | 0.00397 |
| 62.ELECTRICITY | 0.00501 | 0.00880 | 0.00998 | 0.00210 | 0.00298 | 0.00382 | 0.00952 | 0.01837 | 0.00512 |
| 63.WATER | 0.00057 | 0.00068 | 0.00081 | 0.00034 | 0.00023 | 0.00037 | 0.00474 | 0.00063 | 0.00402 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00300 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01293 | 0.01085 | 0.03288 | 0.00249 | 0.00357 | 0.00073 | 0.01573 | 0.00362 | 0.00771 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00201 | 0.00355 | 0.00231 | 0.00251 | 0.00087 | 0.00032 | 0.00298 | 0.00085 | 0.00143 |
| 69.FIN-INS-REST | 0.01367 | 0.04259 | 0.01570 | 0.00390 | 0.01088 | 0.01430 | 0.01968 | 0.02025 | 0.03765 |
| 70.LEGAL | 0.00063 | 0.00220 | 0.00156 | 0.00081 | 0.00009 | 0.00017 | 0.00164 | 0.00050 | 0.00071 |
| 71.LODGING | 0.00012 | 0.00009 | 0.00003 | 0.00001 | 0.00089 | 0.00004 | 0.00007 | 0.00004 | 0.00008 |
| 72.PERSONAL SER | 0.00004 | 0.00118 | 0.00010 | 0.00002 | 0.00293 | 0.00001 | 0.00007 | 0.00013 | 0.00874 |
| 73.BUSINESS SER | 0.01165 | 0.02553 | 0.04925 | 0.00078 | 0.00044 | 0.00536 | 0.01310 | 0.00097 | 0.01230 |
| 74.ALL OTHR SER | 0.00432 | 0.01587 | 0.01665 | 0.00129 | 0.00028 | 0.00458 | 0.00923 | 0.00057 | 0.00227 |
| 84.TOTAL PURCHS | 1.21946 | 1.17511 | 1.21046 | 1.05339 | 1.03443 | 1.04897 | 1.43634 | 1.33624 | 1.39329 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

| | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 1.IRR-CROPS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 2.DRYLAND COT | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | -0.00000 |
| 3.OTHER DRYLND | 0.00005 | 0.00001 | 0.00005 | 0.00000 | 0.00007 | 0.00004 | 0.00001 | 0.00003 | 0.00002 |
| 4.RANGE L.S. | 0.00003 | 0.00001 | 0.00003 | 0.00000 | 0.00005 | 0.00002 | 0.00001 | 0.00003 | 0.00001 |
| 5.FEEDLOT L.S. | 0.00002 | 0.00001 | 0.00002 | 0.00000 | 0.00004 | 0.00002 | 0.00001 | 0.00002 | 0.00001 |
| 6.DAIRY | 0.00035 | 0.00010 | 0.00036 | 0.00001 | 0.00048 | 0.00030 | 0.00009 | 0.00014 | 0.00015 |
| 7.POULTRY EGGS | 0.00013 | 0.00003 | 0.00013 | 0.00001 | 0.00022 | 0.00011 | 0.00003 | 0.00015 | 0.00006 |
| 8.FORESTRY | 0.00009 | 0.00023 | 0.00003 | 0.00000 | 0.00007 | 0.00001 | 0.00004 | 0.00005 | 0.00037 |
| 9.AG SUPPLY | 0.00013 | 0.00001 | 0.00008 | 0.00000 | 0.00002 | 0.00002 | 0.00005 | 0.00002 | 0.00007 |
| 10.GINNING | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | -0.00000 |
| 11.AG SERVICES | 0.00005 | 0.00006 | 0.00005 | 0.00000 | 0.00009 | 0.00004 | 0.00002 | 0.00005 | 0.00009 |
| 12.CRUDE PETRO | 0.01412 | 0.03585 | 0.00526 | 0.00295 | 0.00689 | 0.00344 | 0.96423 | 0.11981 | 0.01099 |
| 13.NAT GAS LIQ | 0.00052 | 0.00025 | 0.00045 | 0.00002 | 0.00039 | 0.00011 | 0.00018 | 0.00006 | 0.00030 |
| 14.OIL GAS SER | 0.00027 | 0.00069 | 0.00010 | 0.00006 | 0.00013 | 0.00007 | 0.01846 | 0.00229 | 0.00021 |
| 15.CONST HOME | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | -0.00000 |
| 16.CONST COMM | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00009 | 0.00002 | 0.00001 |
| 17.CONST FACIL | 0.00001 | 0.00005 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00001 | 0.00000 | 0.00007 |
| 18.CONST REPAIR | 0.00803 | 0.03446 | 0.00111 | 0.00040 | 0.01005 | 0.00060 | 0.00391 | 0.00305 | 0.05451 |
| 19.MEAT PROD | 0.00035 | 0.00009 | 0.00037 | 0.00002 | 0.00063 | 0.00029 | 0.00010 | 0.00041 | 0.00017 |
| 20.DAIRIES | 0.00042 | 0.00010 | 0.00043 | 0.00001 | 0.00057 | 0.00036 | 0.00011 | 0.00017 | 0.00015 |
| 21.MILLS | 0.00011 | 0.00003 | 0.00012 | 0.00001 | 0.00018 | 0.00009 | 0.00003 | 0.00009 | 0.00005 |
| 22.BAKERY | 0.00020 | 0.00005 | 0.00021 | 0.00001 | 0.00028 | 0.00017 | 0.00005 | 0.00008 | 0.00007 |
| 23.FOOD CAN FZN | 0.00037 | 0.00009 | 0.00038 | 0.00001 | 0.00050 | 0.00031 | 0.00009 | 0.00015 | 0.00013 |
| 24.OTHER FOOD | 0.00010 | 0.00001 | 0.00007 | 0.00000 | 0.00002 | 0.00001 | 0.00004 | 0.00002 | 0.00006 |
| 25.BEVERAGE | 0.00011 | 0.00002 | 0.00012 | 0.00002 | 0.00003 | 0.00001 | 0.00001 | 0.00002 | 0.00001 |
| 26.APPAREL | 0.00011 | 0.00008 | 0.00007 | 0.00000 | 0.00002 | 0.00001 | 0.00006 | 0.00019 | 0.00080 |
| 27.LOGS | 0.00032 | 0.00082 | 0.00011 | 0.00001 | 0.00027 | 0.00003 | 0.00014 | 0.00019 | 0.00133 |
| 28.LUMBER | 0.00091 | 0.00397 | 0.00014 | 0.00005 | 0.00118 | 0.00009 | 0.00045 | 0.00074 | 0.00615 |
| 29.MILL WORK | 0.00072 | 0.00287 | 0.00016 | 0.00004 | 0.00103 | 0.00007 | 0.00035 | 0.00054 | 0.00487 |
| 30.FURNITURE | 0.00014 | 0.00041 | 0.00006 | 0.00001 | 0.00017 | 0.00004 | 0.00006 | 0.00005 | 0.00065 |
| 31.PAPER PROD | 0.00049 | 0.00716 | 0.00033 | 0.00003 | 0.00020 | 0.00014 | 0.00016 | 0.00020 | 0.00118 |
| 32.PRINT PUB | 0.00048 | 0.00032 | 0.00010 | 0.00014 | 0.00152 | 0.00004 | 0.00015 | 0.00187 | 0.00018 |
| 33.OTHER PRINT | 0.00063 | 0.00268 | 0.00056 | 0.00237 | 0.00035 | 0.00007 | 0.00017 | 0.00017 | 0.00090 |
| 34.CHEM PET PRO | 0.05841 | 0.02659 | 0.05076 | 0.00190 | 0.04321 | 0.01167 | 0.02059 | 0.00614 | 0.03164 |
| 35.AG CHEM | 0.00009 | 0.00001 | 0.00006 | 0.00000 | 0.00001 | 0.00001 | 0.00004 | 0.00002 | 0.00005 |
| 36.GLASS | 0.00001 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 37.CLAY | 0.00011 | 0.00048 | 0.00002 | 0.00001 | 0.00014 | 0.00001 | 0.00006 | 0.00004 | 0.00076 |
| 38.STONE | 0.00014 | 0.02207 | 0.00009 | 0.00006 | 0.00007 | 0.00004 | 0.00005 | 0.00015 | 0.03743 |
| 39.CEMENT | 0.00033 | 0.00223 | 0.00005 | 0.00002 | 0.00041 | 0.00004 | 0.00016 | 0.00027 | 0.00368 |
| 40.FOUNDRIES | 0.00075 | 0.00217 | 0.00080 | 0.00012 | 0.00223 | 0.00032 | 0.00045 | 0.00023 | 0.00579 |
| 41.FABRICAT MET | 0.00021 | 0.00106 | 0.00004 | 0.00003 | 0.00026 | 0.00002 | 0.00010 | 0.00009 | 0.00182 |
| 42.PLATE WORK | 0.00001 | 0.00004 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00006 |
| 43.SHEET METAL | 0.00000 | 0.00003 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 |
| 44.METAL DOOR | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00002 |
| 45.OTHER METAL | 0.00035 | 0.00242 | 0.00031 | 0.00003 | 0.00043 | 0.00031 | 0.00013 | 0.00010 | 0.00460 |
| 46.INDUST MACH | 0.00012 | 0.03243 | 0.00005 | 0.00001 | 0.00013 | 0.00002 | 0.00006 | 0.00004 | 0.00129 |
| 47.SERVIC MACH | 0.00004 | 0.00019 | 0.00001 | 0.00000 | 0.00006 | 0.00000 | 0.00003 | 0.00002 | 0.00038 |
| 48.ELECT MACH | 0.00007 | 0.01534 | 0.00002 | 0.00001 | 0.00355 | 0.02960 | 0.00003 | 0.00010 | 0.00189 |
| 49.TRANS MACH | 0.00004 | 0.00032 | 0.00002 | 0.00001 | 0.00233 | 0.00913 | 0.00001 | 0.00002 | 0.00015 |
| 50.SCIENC-EQUIP | 0.00003 | 0.01098 | 0.00003 | 0.00000 | 0.00352 | 0.00002 | 0.00001 | 0.00002 | 0.00051 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00015 | 0.00010 | 0.00026 | 0.00007 | 0.00186 | 0.00006 | 0.00013 | 0.00310 | 0.00053 |
| 53.ORDNANCE | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | -0.00000 |
| 54.RAIL | 0.00105 | 0.00166 | 0.00070 | 0.00154 | 0.00051 | 0.00016 | 0.00042 | 0.00021 | 0.00308 |
| 55.MOTOR FREIGT | 1.00164 | 0.00148 | 0.00129 | 0.00169 | 0.00200 | 0.00049 | 0.00083 | 0.00231 | 0.00162 |
| 56.PIPELINE | 0.00007 | 1.00003 | 0.00006 | 0.00000 | 0.00005 | 0.00001 | 0.00002 | 0.00001 | 0.00004 |
| 57.OTHER TRANS | 0.00047 | 0.00010 | 1.00091 | 0.00109 | 0.00372 | 0.00006 | 0.00050 | 0.00049 | 0.00012 |
| 58.T AND T | 0.03815 | 0.00187 | 0.00941 | 1.00040 | 0.01552 | 0.00497 | 0.00464 | 0.00473 | 0.00430 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00024 | 0.00009 | 0.00010 | 0.00006 | 1.00008 | 0.00005 | 0.00010 | 0.00262 | 0.00024 |
| 60.OTHER COMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 1.00000 | 0.00000 | 0.00000 | 0.00000 |
| 61.GAS | 0.01270 | 0.01608 | 0.00362 | 0.00304 | 0.00563 | 0.00319 | 1.01828 | 0.12638 | 0.01040 |
| 62.ELECTRICITY | 0.01529 | 0.02272 | 0.00604 | 0.01172 | 0.02074 | 0.01569 | 0.00320 | 1.00124 | 0.06999 |
| 63.WATER | 0.00127 | 0.00023 | 0.00102 | 0.00156 | 0.00104 | 0.00087 | 0.00033 | 0.00339 | 1.09094 |
| 64.WHSLE AG PRD | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.04901 | 0.00448 | 0.03153 | 0.00065 | 0.00550 | 0.00482 | 0.01828 | 0.00780 | 0.02696 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.02100 | 0.00094 | 0.00099 | 0.00028 | 0.00143 | 0.00040 | 0.00185 | 0.01432 | 0.00201 |
| 69.FIN-INS-REST | 0.11885 | 0.01916 | 0.12944 | 0.02075 | 0.03475 | 0.00909 | 0.01052 | 0.01766 | 0.01280 |
| 70.LEGAL | 0.01101 | 0.00102 | 0.00895 | 0.00022 | 0.00356 | 0.00839 | 0.00153 | 0.00283 | 0.00043 |
| 71.LODGING | 0.00025 | 0.00007 | 0.00026 | 0.00004 | 0.00008 | 0.00002 | 0.00050 | 0.00010 | 0.00003 |
| 72.PERSONAL SER | 0.00007 | 0.00007 | 0.00009 | 0.00002 | 0.00026 | 0.00001 | 0.00007 | 0.00003 | 0.00005 |
| 73.BUSINESS SER | 0.01564 | 0.00278 | 0.04020 | 0.00596 | 0.15410 | 0.00197 | 0.02102 | 0.00542 | 0.00146 |
| 74.ALL OTHR SER | 0.01060 | 0.00266 | 0.01095 | 0.00035 | 0.01457 | 0.00906 | 0.00268 | 0.00430 | 0.00388 |
| 84.TOTAL PURCHS | 1.38747 | 1.28236 | 1.30900 | 1.05782 | 1.34728 | 1.11705 | 2.09573 | 1.33483 | 1.40254 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

| | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
|-----------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1.IRR-CROPS | 0.00000 | 0.00001 | 0.00001 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00001 | 0.00001 |
| 2.DRYLAND COT | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00001 | 0.00283 | 0.00007 | 0.00005 | 0.00009 | 0.00004 | 0.00005 | 0.00015 | 0.00012 |
| 4.RANGE L.S. | 0.00001 | 0.01622 | 0.00004 | 0.00003 | 0.00005 | 0.00003 | 0.00003 | 0.00007 | 0.00008 |
| 5.FEEDLOT L.S. | 0.00001 | 0.00005 | 0.00003 | 0.00003 | 0.00004 | 0.00002 | 0.00002 | 0.00005 | 0.00006 |
| 6.DAIRY | 0.00010 | 0.00096 | 0.00056 | 0.00042 | 0.00071 | 0.00031 | 0.00039 | 0.00078 | 0.00093 |
| 7.POULTRY EGGS | 0.00004 | 0.00026 | 0.00019 | 0.00015 | 0.00025 | 0.00011 | 0.00014 | 0.00032 | 0.00034 |
| 8.FORESTRY | 0.00007 | 0.00006 | 0.00078 | 0.00001 | 0.00009 | 0.00005 | 0.00001 | 0.00012 | 0.00009 |
| 9.AG SUPPLY | 0.00001 | 0.00022 | 0.00245 | 0.00003 | 0.00005 | 0.00003 | 0.00003 | 0.00007 | 0.00005 |
| 10.GINNING | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00003 | 0.00653 | 0.00007 | 0.00005 | 0.00010 | 0.00005 | 0.00005 | 0.00013 | 0.00013 |
| 12.CRUDE PETRO | 0.00225 | 0.00527 | 0.00396 | 0.00483 | 0.00622 | 0.00281 | 0.00134 | 0.01138 | 0.01994 |
| 13.NAT GAS LIQ | 0.00009 | 0.00003 | 0.00017 | 0.00010 | 0.00024 | 0.00007 | 0.00003 | 0.00007 | 0.00015 |
| 14.OIL GAS SER | 0.00004 | 0.00010 | 0.00008 | 0.00009 | 0.00012 | 0.00005 | 0.00003 | 0.00022 | 0.00038 |
| 15.CONST HOME | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00000 | 0.01076 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 |
| 17.CONST FACIL | 0.00002 | 0.00004 | 0.00001 | 0.00000 | 0.00002 | 0.00001 | 0.00000 | 0.00002 | 0.00002 |
| 18.CONST REPAIR | 0.01127 | 0.00111 | 0.00432 | 0.00098 | 0.01164 | 0.00664 | 0.00040 | 0.01615 | 0.01315 |
| 19.MEAT PROD | 0.00010 | 0.00074 | 0.00052 | 0.00042 | 0.00069 | 0.00032 | 0.00039 | 0.00088 | 0.00096 |
| 20.DAIRIES | 0.00011 | 0.00090 | 0.00067 | 0.00050 | 0.00084 | 0.00037 | 0.00047 | 0.00092 | 0.00110 |
| 21.MILLS | 0.00003 | 0.00053 | 0.00017 | 0.00013 | 0.00022 | 0.00012 | 0.00012 | 0.00067 | 0.00030 |
| 22.BAKERY | 0.00005 | 0.00044 | 0.00031 | 0.00025 | 0.00041 | 0.00018 | 0.00023 | 0.00044 | 0.00054 |
| 23.FOOD CAN FZN | 0.00010 | 0.00079 | 0.00056 | 0.00044 | 0.00074 | 0.00036 | 0.00041 | 0.00119 | 0.00097 |
| 24.OTHER FOOD | 0.00021 | 0.00018 | 0.00200 | 0.00003 | 0.00004 | 0.00005 | 0.00002 | 0.00097 | 0.00004 |
| 25.BEVERAGE | 0.00002 | 0.00006 | 0.00005 | 0.00006 | 0.00004 | 0.00007 | 0.00004 | 0.00006 | 0.00005 |
| 26.APPAREL | 0.00001 | 0.00005 | 0.00210 | 0.00003 | 0.00004 | 0.00002 | 0.00002 | 0.00007 | 0.00004 |
| 27.LOGS | 0.00026 | 0.00021 | 0.00281 | 0.00005 | 0.00031 | 0.00018 | 0.00003 | 0.00043 | 0.00034 |
| 28.LUMBER | 0.00125 | 0.00085 | 0.00063 | 0.00012 | 0.00135 | 0.00075 | 0.00005 | 0.00182 | 0.00150 |
| 29.MILL WORK | 0.00095 | 0.00048 | 0.00041 | 0.00011 | 0.00102 | 0.00058 | 0.00006 | 0.00139 | 0.00119 |
| 30.FURNITURE | 0.00014 | 0.00011 | 0.00012 | 0.00006 | 0.00022 | 0.00017 | 0.00005 | 0.00028 | 0.00026 |
| 31.PAPER PROD | 0.00007 | 0.00028 | 0.00657 | 0.00020 | 0.00220 | 0.00018 | 0.00014 | 0.00039 | 0.00053 |
| 32.PRINT PUB | 0.00007 | 0.00007 | 0.00112 | 0.00890 | 0.01891 | 0.00012 | 0.00003 | 0.00138 | 0.01231 |
| 33.OTHER PRINT | 0.00028 | 0.00026 | 0.00206 | 0.00138 | 0.00193 | 0.00359 | 0.00021 | 0.00034 | 0.00056 |
| 34.CHEM PET PRO | 0.01011 | 0.00338 | 0.01741 | 0.01124 | 0.02377 | 0.00800 | 0.00289 | 0.00672 | 0.01637 |
| 35.AG CHEM | 0.00001 | 0.00005 | 0.00194 | 0.00002 | 0.00003 | 0.00002 | 0.00002 | 0.00004 | 0.00002 |
| 36.GLASS | 0.00001 | 0.00001 | 0.00012 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00006 | 0.00000 |
| 37.CLAY | 0.00016 | 0.00029 | 0.00010 | 0.00023 | 0.00016 | 0.00009 | 0.00001 | 0.00023 | 0.00019 |
| 38.STONE | 0.00007 | 0.00023 | 0.00178 | 0.00012 | 0.00019 | 0.00007 | 0.00003 | 0.00032 | 0.00033 |
| 39.CEMENT | 0.00046 | 0.00055 | 0.00029 | 0.00026 | 0.00048 | 0.00027 | 0.00002 | 0.00067 | 0.00055 |
| 40.FOUNDRIES | 0.00232 | 0.00074 | 0.00057 | 0.00044 | 0.00097 | 0.00090 | 0.00049 | 0.00121 | 0.00098 |
| 41.FABRICAT MET | 0.00166 | 0.00014 | 0.00025 | 0.00004 | 0.00032 | 0.00017 | 0.00001 | 0.00041 | 0.00035 |
| 42.PLATE WORK | 0.00001 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00001 | 0.00000 | 0.00002 | 0.00001 |
| 43.SHEET METAL | 0.00000 | 0.00009 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00000 | 0.00002 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00000 | 0.00001 | 0.00001 |
| 45.OTHER METAL | 0.00030 | 0.00074 | 0.00016 | 0.00028 | 0.00043 | 0.00040 | 0.00030 | 0.00064 | 0.00033 |
| 46.INDUST MACH | 0.00079 | 0.00025 | 0.00014 | 0.00004 | 0.00015 | 0.00008 | 0.00002 | 0.00018 | 0.00017 |
| 47.SERVIC MACH | 0.00006 | 0.00001 | 0.00002 | 0.00001 | 0.00006 | 0.00004 | 0.00000 | 0.00009 | 0.00007 |
| 48.ELECT MACH | 0.00022 | 0.00007 | 0.00006 | 0.00002 | 0.00012 | 0.00006 | 0.00001 | 0.00015 | 0.00012 |
| 49.TRANS MACH | 0.00076 | 0.00006 | 0.00012 | 0.00003 | 0.00007 | 0.00003 | 0.00002 | 0.00007 | 0.00007 |
| 50.SCIENC-EQUIP | 0.00002 | 0.00011 | 0.00005 | 0.00004 | 0.00008 | 0.00003 | 0.00003 | 0.00007 | 0.00008 |
| 51.GAME TOY | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 52.OTHER MFG | 0.00009 | 0.00016 | 0.00007 | 0.00010 | 0.00016 | 0.00017 | 0.00007 | 0.00023 | 0.00071 |
| 53.ORDNANCE | -0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 54.RAIL | 0.12287 | 0.00028 | 0.01209 | 0.00165 | 0.00201 | 0.00025 | 0.00017 | 0.00054 | 0.00130 |
| 55.MOTOR FREIGT | 0.00498 | 0.00061 | 0.01370 | 0.00580 | 0.00943 | 0.00059 | 0.00037 | 0.00103 | 0.00145 |
| 56.PIPELINE | 0.00001 | 0.00000 | 0.00002 | 0.00001 | 0.00003 | 0.00001 | 0.00000 | 0.00001 | 0.00002 |
| 57.OTHER TRANS | 0.00158 | 0.00022 | 0.00059 | 0.00030 | 0.00075 | 0.00121 | 0.00025 | 0.00039 | 0.00067 |
| 58.T AND T | 0.00328 | 0.00116 | 0.01489 | 0.01772 | 0.01336 | 0.00854 | 0.01803 | 0.01780 | 0.00741 |

| | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 59.RADIO TV | 0.00132 | 0.00010 | 0.00057 | 0.00166 | 0.00553 | 0.00052 | 0.00004 | 0.00019 | 0.00016 |
| 60.OTHER CDMM | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00001 | 0.00000 | 0.00039 | 0.00000 |
| 61.GAS | 0.00199 | 0.00544 | 0.00352 | 0.00467 | 0.00566 | 0.00267 | 0.00130 | 0.01177 | 0.02045 |
| 62.ELECTRICITY | 0.00571 | 0.01839 | 0.01134 | 0.01229 | 0.01688 | 0.00684 | 0.00328 | 0.03901 | 0.03300 |
| 63.WATER | 0.00118 | 0.00515 | 0.00262 | 0.00263 | 0.00425 | 0.00120 | 0.00043 | 0.00717 | 0.00825 |
| 64.WHSLE AG PRO | 1.06327 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 1.47850 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.00300 | 0.01268 | 1.01061 | 0.00959 | 0.01292 | 0.00897 | 0.00789 | 0.02266 | 0.01143 |
| 67.RETL AG EQUIP | 0.00000 | 0.00000 | 0.00001 | 1.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| 68.RETL GENERAL | 0.00191 | 0.00094 | 0.01431 | 0.01284 | 1.01458 | 0.00258 | 0.00030 | 0.00769 | 0.00449 |
| 69.FIN-INS-REST | 0.02366 | 0.06229 | 0.04599 | 0.06033 | 0.04290 | 1.05860 | 0.04169 | 0.05555 | 0.04972 |
| 70.LEGAL | 0.00030 | 0.00054 | 0.00164 | 0.00058 | 0.00208 | 0.00723 | 1.00033 | 0.00075 | 0.00060 |
| 71.LODGING | 0.00005 | 0.00013 | 0.00010 | 0.00014 | 0.00012 | 0.00213 | 0.00008 | 1.00012 | 0.00013 |
| 72.PERSONAL SER | 0.00104 | 0.00004 | 0.00023 | 0.00006 | 0.00078 | 0.00011 | 0.00003 | 0.02822 | 1.00136 |
| 73.BUSINESS SER | 0.01206 | 0.00689 | 0.00415 | 0.01049 | 0.01698 | 0.02506 | 0.00971 | 0.01536 | 0.02979 |
| 74.ALL DTHR SER | 0.00282 | 0.02280 | 0.01610 | 0.01282 | 0.02139 | 0.00941 | 0.01193 | 0.02296 | 0.02811 |
| 84.TOTAL PURCHS | 1.28571 | 1.67346 | 1.20837 | 1.18595 | 1.24524 | 1.16445 | 1.10454 | 1.28349 | 1.27489 |

INTERDEPENDENCE TABLE, NORTHEAST TEXAS

| | 73 | 74 |
|-----------------|---------|---------|
| 1.IRR-CROPS | 0.00000 | 0.00033 |
| 2.DRYLAND COT | 0.00000 | 0.00000 |
| 3.OTHER DRYLND | 0.00006 | 0.00404 |
| 4.RANGE L.S. | 0.00006 | 0.00252 |
| 5.FEEDLOT L.S. | 0.00004 | 0.00195 |
| 6.DAIRY | 0.00024 | 0.03316 |
| 7.POULTRY EGGS | 0.00026 | 0.01144 |
| 8.FORESTRY | 0.00004 | 0.00008 |
| 9.AG SUPPLY | 0.00005 | 0.00068 |
| 10.GINNING | 0.00000 | 0.00000 |
| 11.AG SERVICES | 0.00008 | 0.00396 |
| 12.CRUDE PETRO | 0.02107 | 0.00736 |
| 13.NAT GAS LIQ | 0.00236 | 0.00010 |
| 14.OIL GAS SER | 0.00040 | 0.00014 |
| 15.CONST HOME | 0.00000 | 0.00000 |
| 16.CONST COMM | 0.00002 | 0.00000 |
| 17.CONST FACIL | 0.00000 | 0.00007 |
| 18.CONST REPAIR | 0.00103 | 0.00681 |
| 19.MEAT PROD | 0.00074 | 0.03194 |
| 20.DAIRIES | 0.00029 | 0.03936 |
| 21.MILLS | 0.00017 | 0.01020 |
| 22.BAKERY | 0.00014 | 0.01929 |
| 23.FOOD CAN FZN | 0.00025 | 0.03462 |
| 24.OTHER FOOD | 0.00004 | 0.00036 |
| 25.BEVERAGE | 0.00003 | 0.00017 |
| 26.APPAREL | 0.00004 | 0.00014 |
| 27.LOGS | 0.00014 | 0.00030 |
| 28.LUMBER | 0.00028 | 0.00125 |
| 29.MILL WORK | 0.00073 | 0.00196 |
| 30.FURNITURE | 0.00004 | 0.00397 |
| 31.PAPER PROD | 0.00041 | 0.00695 |
| 32.PRINT PUB | 0.00092 | 0.00042 |
| 33.OTHER PRINT | 0.00112 | 0.00064 |
| 34.CHEM PET PRO | 0.26559 | 0.00627 |
| 35.AG CHEM | 0.00003 | 0.00007 |
| 36.GLASS | 0.00000 | 0.00010 |
| 37.CLAY | 0.00002 | 0.00011 |
| 38.STONE | 0.00007 | 0.00016 |
| 39.CEMENT | 0.00005 | 0.00030 |
| 40.FOUNDRIES | 0.01106 | 0.00115 |
| 41.FABRICAT MET | 0.00006 | 0.00018 |
| 42.PLATE WORK | 0.00000 | 0.00001 |
| 43.SHEET METAL | 0.00000 | 0.00000 |
| 44.METAL DOOR | 0.00000 | 0.00019 |
| 45.OTHER METAL | 0.00052 | 0.00063 |
| 46.INDUST MACH | 0.00017 | 0.00100 |
| 47.SERVIC MACH | 0.00001 | 0.00010 |
| 48.ELECT MACH | 0.00002 | 0.00037 |
| 49.TRANS MACH | 0.00003 | 0.00139 |
| 50.SCIENC-EQUIP | 0.00002 | 0.00261 |
| 51.GAME TOY | 0.00000 | 0.00005 |
| 52.OTHER MFG | 0.00572 | 0.00030 |
| 53.ORDNANCE | 0.00000 | 0.00000 |
| 54.RAIL | 0.00226 | 0.00059 |
| 55.MOTOR FREIGT | 0.01065 | 0.01002 |
| 56.PIPELINE | 0.00031 | 0.00001 |
| 57.OTHER TRANS | 0.02005 | 0.00052 |
| 58.T AND T | 0.01787 | 0.00653 |

| | | |
|------------------|---------|---------|
| 59.RADIO TV | 0.00009 | 0.00048 |
| 60.OTHER COMM | 0.00000 | 0.00000 |
| 61.GAS | 0.01216 | 0.00747 |
| 62.ELECTRICITY | 0.00866 | 0.01331 |
| 63.WATER | 0.00110 | 0.00269 |
| 64.WHSLE AG PRO | 0.00000 | 0.00000 |
| 65.WHSLE LS | 0.00000 | 0.00000 |
| 66.WHSLE GENRAL | 0.01613 | 0.01592 |
| 67.RETL AG EQUIP | 0.00000 | 0.00001 |
| 68.RETL GENERAL | 0.00419 | 0.00178 |
| 69.FIN-INS-REST | 0.03504 | 0.03211 |
| 70.LEGAL | 0.00319 | 0.00110 |
| 71.LODGING | 0.00009 | 0.00009 |
| 72.PERSONAL SER | 0.00148 | 0.00104 |
| 73.BUSINESS SER | 1.00875 | 0.00749 |
| 74.ALL OTHR SER | 0.00732 | 1.00433 |
| 84.TOTAL PURCHS | 1.46380 | 1.34474 |

Appendix Table 4. Data Sources Used in Estimating Northeast Texas Industry Coefficients

1. R. L. Prewett, "Budget for Other Crops: Irrigated and Dryland", Dept. of Agric. Econ., Texas A&M University, College Station, Texas, unpublished.
2. Lonnie L. Jones, "Budgets for Irrigated and Dryland Cotton, Feed Grains, and Wheat", Dept. of Agric. Econ., Texas A&M University, College Station, Texas, Unpublished.
3. _____, "Budgets for Irrigated and Dryland Cotton, Feed Grains, and Wheat", Dept. of Agric. Econ., Texas A&M University, College Station, Texas, unpublished.
4. Richard J. Foote, "Livestock Budgets", Slaton, Texas, unpublished.
5. _____, "Livestock Budgets", Slaton, Texas, unpublished.
6. _____, "Livestock Budgets", Slaton, Texas, unpublished.
7. _____, "Livestock Budgets", Slaton, Texas, unpublished.
8. Herbert W. Grubb and Others, "Estimated Forestry Direct Input Requirements per Dollar of Output for Region 5, Texas Input-Output Sector 16", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
9. Personal Interviews conducted in Northeast Texas.
10. Herbert W. Grubb and Others, "Estimated Ginning Direct Input Requirements per Dollar of Output for Northeast Texas", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
11. Personal Interviews conducted in Northeast Texas.
12. James R. Vinson, "Texas Input-Output Study Special Mining Industry Project", Bureau of Economics and Business Research, Hardin-Simmons University, Abilene, Texas, August 1, 1971.
13. Ibid.
14. Ibid.
15. E. Y. George, "The Construction Report", Bureau of Business and Economic Research, The University of Texas at El Paso, El Paso, Texas, unpublished.
16. Ibid.
17. Ibid.
18. Ibid.

- 19-53. Personal Interviews conducted in Northeast Texas.
54. Herbert W. Grubb and Others, "Estimated Railroad Transportation Sector Direct Requirements per Dollar of Output, Northeast Texas", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
55. _____, "Estimated Intercity Rural Highway Transportation Sector Direct Requirements per Dollar of Output, Northeast Texas", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- _____, "Estimated Motor and Freight Transportation Sector Direct Requirements per Dollar of Output for Northeast Texas", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- _____, "Estimated Local Trucking and Storage Sector Direct Requirements per Dollar of Output for Northeast Texas", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
56. _____, "Estimated Pipeline Transportation Sector Direct Requirements per Dollar of Output for Northeast Texas", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
57. _____, "Estimated Air Transportation Sector Direct Requirements per Dollar of Output for Northeast Texas 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- _____, "Estimated Local and Suburban Transportation Sector Direct Requirements per Dollar of Output for Northeast Texas 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- _____, "Estimated Arrangement of Transportation Sector Direct Requirements per Dollar of Output for Northeast Texas in 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
58. _____, "Estimated Telephone and Telegraph Sector Direct Requirements per Dollar of Output for Northeast Texas 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
59. David Moorman and Herbert W. Grubb, "Communications and Other Communications Procedures and Analysis of Inputs by Region and State", Department of Agric. Econ., Texas Technological University, Lubbock, Texas, unpublished.
60. Ibid.

61. Walter E. Mullendore and Arthur L. Ekholm, "Electrical and Gas Utilities Procedures and Analysis of Inputs by Region", Department of Economics, University of Texas at Arlington, Arlington, Texas, unpublished.
62. Ibid.
63. Herbert W. Grubb and Others, "Estimated Water and Sanitary Services Sector Direct Requirements per Dollar of Output for Northeast Texas in 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- 64-68. Interviews conducted in Northeast Texas.
69. Herbert W. Grubb and Others, "Estimated Banking Sectors Direct Input Requirements per Dollar of Output for Northeast Texas in 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- _____, "Estimated Other Credit Agencies Sector Direct Input Requirements per Dollar of Output for Northeast Texas in 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- _____, "Estimated Insurance Sector Direct Input Requirements per Dollar of Output for Northeast Texas in 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- _____, "Estimated F.I.R.E. NEC Sector Direct Input Requirements per Dollar of Output for Northeast Texas in 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- 70-74. Interviews conducted in Northeast Texas, Texas Input-Output Region 5.
- Federal Gv't
- (76) Herbert W. Grubb and Others, "Federal Government Expenditures in Texas by Sector by Region -- 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- State Gv't
- (77) _____, "State Government Expenditures by Sector by Region -- Texas 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- Local Gv't
- (78) Herbert W. Grubb and Others, "Texas Local Government Expenditures by Sector by Region -- Texas 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.
- Exports
- (79-83) All sources listed previously

Households

(75) All sources listed previously

Capital

(91) All sources listed previously

Net Inventory Chge.

(92) All sources listed previously

Final Payments

(75-94) All sources listed previously

Total Purchases

(96) Herbert W. Grubb and Others, "Estimated Value of Shipments of Input-Output Model For Regions and the State -- Texas 1967", Division of Planning Coordination, Office of the Governor, Austin, Texas, unpublished.