

4-1-1972

## An Input-output Model of the Lower Rio Grande Region of Texas

Joe C. Murrell Jr.

*Pan American University, Edinburg, Texas*

Ronald B. Geenens

*Pan American University, Edinburg, Texas*

Robert N. McMichael

*Pan American University, Edinburg, Texas*

Follow this and additional works at: [https://researchrepository.wvu.edu/rri\\_ioacctdata](https://researchrepository.wvu.edu/rri_ioacctdata)

---

### Recommended Citation

Murrell, Joe C. Jr.; Geenens, Ronald B.; and McMichael, Robert N., "An Input-output Model of the Lower Rio Grande Region of Texas" (1972). *Accounts and Data*. 22.

[https://researchrepository.wvu.edu/rri\\_ioacctdata/22](https://researchrepository.wvu.edu/rri_ioacctdata/22)

This Article is brought to you for free and open access by the IIOA 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 [ian.harmon@mail.wvu.edu](mailto:ian.harmon@mail.wvu.edu).

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

...the ... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

AN INPUT-OUTPUT MODEL OF THE  
LOWER RIO GRANDE REGION OF TEXAS

Texas  
Interindustry  
Project

Joe C. Murrell, Jr.  
Ronald B. Geenens  
Robert N. McMichael  
Pan American University  
Edinburg, Texas

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



A2.9c1  
MURK  
LOMLRGRT  
1972



ABSTRACT

TITLE : Lower Rio Grande Region Input-Output Study

AUTHOR : Joe C. Murrell, Jr., Project Director

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 : 169

ABSTRACT : The Lower Rio Grande Region is composed of the nineteen southernmost counties in Texas. The major portion of the population of the region resides along the Rio Grande River in border communities and Corpus Christi on the Gulf of Mexico. The primary economic activities are crop production, ranching, shrimping, oil production, and commercial activities.

The existence of social costs, in conjunction with a desire for increased economic development, created the need that led to the development of a regional Input-Output Model. The Input-Output Model consists of five tables. The Transactions Table was developed from primary and secondary data. The estimated transactions were adjusted to form a producer-price matrix. Both transportation charges and costs of goods sold were allocated to appropriate final demand sectors.

The remaining four tables were derived from the Transactions Table. They include a Direct Coefficients Table, a Direct and Indirect Coefficients Table, a Labor Coefficients Table, and a table that closes the model with respect to the household (The Closed Model Table).

The uses of the Input-Output tables are explained in relation to the historical problems that have arisen in the Lower Rio Grande Region. In addition, examples are given on how the model can be used to develop information for planning.

AN INPUT-OUTPUT MODEL OF THE  
LOWER RIO GRANDE REGION OF TEXAS

Texas  
Interindustry  
Project

Joe C. Murrell, Jr.  
Ronald B. Geenens  
Robert N. McMichael  
Pan American University  
Edinburg, Texas

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

## 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 about the economy into mathematical statements which represent the trading among the individual sectors of the economy. The models systematically display each sector's sales and purchases and quantitatively measure outputs and inputs of each sector for the time period chosen. A solution of the system of equations provides quantitative estimates of 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 were 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 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 analyses to assist in the planning of procurement of input materials, intra-industry 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. 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 program was the estimation of Input-Output Models of regional economies within Texas and of the Texas statewide economy for 1967. The procedures emphasized estimation of Input-Output Models from a sample of primary data. Secondary data were required 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.

Nine Texas Universities were invited by the Governor 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 collection of data from a sample of manufacturing and business establishments of a specific region and the estimation of the regional Input-Output Model. Each contract provided for a project staff and a 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 in each region. The state project director's office issued general guidelines, special reports prepared by individual consultants, 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, and transmitted copies of the survey data to the state director's office. The survey data from the nine individual regions were combined 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 Lower Rio Grande regional project was conducted at Pan American College by members of the staff of the School of Business Administration. This report presents the Input-Output Model and suggests some types of analyses that can be made of the regional economy. The Input-Output analyses 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

CHAPTER	PAGE
I. INTRODUCTION AND EXPLANATION OF THE INPUT-OUTPUT MODEL OF THE LOWER RIO GRANDE REGION. . . . .	1
History, Geography and Economic Base. . . . .	2
The Input-Output Model and the Lower Rio Grande Region. . . . .	6
II. THE DEVELOPMENT OF THE INPUT-OUTPUT MODEL . . . . .	12
A Producer-Price Transactions Table . . . . .	13
Methodology . . . . .	14
Data Collection . . . . .	14
Essential Information . . . . .	15
Analysis of Interview Information . . . . .	16
Inventory Change. . . . .	16
Residual. . . . .	17
Households. . . . .	18
Capital . . . . .	18
State Coefficients Used . . . . .	18
Control Totals. . . . .	19
Agriculture . . . . .	19
Communications. . . . .	19
Construction. . . . .	19
Finance, Insurance and Real Estate (F.I.R.E.) (NEC) . . . . .	20
Finance . . . . .	20
Insurance . . . . .	20

CHAPTER	PAGE
Real Estate and Finance (Miscellaneous) (NEC) . . . .	20
Fisheries . . . . .	20
Governments . . . . .	20
Manufacturing . . . . .	20
Mining. . . . .	21
Retail Trade. . . . .	21
Services. . . . .	21
Transportation. . . . .	21
Utilities . . . . .	21
Wholesale Trade . . . . .	21
Balancing Sales and Purchases . . . . .	21
 III. INTRODUCTION TO THE LOWER RIO GRANDE REGION AND THE INPUT- OUTPUT MODEL. . . . .	 26
The Transactions Table (Table XII , Appendix B) . . . . .	26
The Direct Coefficients Table (Table XIII, Appendix B). . . . .	28
The Direct and Indirect Effects (Table XIV, Appendix B) . . . . .	30
Labor Coefficients (Table XV, Appendix B) . . . . .	33
The Closed Model (Table XVI, Appendix B). . . . .	36
Uses of the Input-Output Model. . . . .	38
Growth of Tourism . . . . .	38
Food Stamps . . . . .	41
Closing of an Air Base. . . . .	47

CHAPTER	PAGE
IV. SUMMARY AND CONCLUSIONS . . . . .	51
BIBLIOGRAPHY . . . . .	57
APPENDIX A . . . . .	62
APPENDIX B . . . . .	81



## LIST OF TABLES

TABLE	PAGE
I. Estimates of Per Capita Income for Counties and Region in Constant Dollars. . . . .	8
II. Total and Spanish-Surname Population by County and Region with Percentage Changes in Spanish-Surname Population from 1950 to 1960. . . . .	9
III. Percentage Distribution of Family Income, 1960 . . . . .	10
IV. Earnings by Broad Industrial Sectors, 1967 . . . . .	11
V. Regional Industries Ranked by Degree of Labor Intensity in terms of Number of Employees per Dollar of Output . .	34
VI. An Example of the Input-Output Estimates of the Economic Impact of the Food Stamp Program . . . . .	48
VII. An Example of the Input-Output Estimates of the Economic Impact of the Closing of the Harlingen Air Base. . . . .	50
VIII. Input-Output Model Industries by Standard Industrial Classification . . . . .	63
IX. Noncompetitive Industries/Sectors, Lower Rio Grande Region . . . . .	72
X. Gross Regional Product Components (Thousand Dollars), Lower Rio Grande Region. . . . .	74
XI. Basic Sources of Control Totals for the Lower Rio Grande Regional Study . . . . .	76
XII. Transactions Table . . . . .	82
XIII. Direct Coefficients Table. . . . .	104
XIV. Direct and Indirect Effects Table. . . . .	122
XV. Labor Coefficients Table . . . . .	140
XVI. Closed Model Table . . . . .	152



## CHAPTER I

### I. INTRODUCTION AND EXPLANATION

#### OF THE

#### INPUT-OUTPUT MODEL OF THE LOWER RIO GRANDE REGION

The decades of the thirties, forties and fifties witnessed a revolution in our thinking about the operation of a free economic system. The problems faced during this time were national in scope: first, major unemployment, and then mobilization for a war, and finally, the change-over from a wartime to a peacetime economy. One of the more significant changes was that the federal government inherited the responsibility for assuring an acceptable operation of the economy. These new responsibilities required information and consequently, more resources were directed toward the collection and dissemination of statistics on the national economy.

During the latter part of the fifties and the decade of the sixties, more attention was focused on the operation of regional economies. As the United States' economy expanded in these later decades, it experienced as much as six percent unemployment. Fiscal and monetary policies were limited in their ability to reduce unemployment without creating inflation. Severe unemployment problems appeared to be within regional economies. Some regions experienced a shortage of workers and resources while others experienced surpluses. In addition, social problems tied to ethnic groups were isolated in regional economies. Thus, it became not so much the problem of forcing the national economy to higher levels of growth, but of encouraging regional economies to more adequate levels of performance.

The theoretical base for regional economic analysis is grounded upon international trade theory. A regional economy depends upon its exports to the larger economy for its basic income. This basic income supports secondary industry. The export income eventually leaves the regional economy to purchase imports from the larger economy.

If something interrupts the production of exports, secondary industrial activity will decline and imports will fall. Regional adjustments were believed to take place quickly. Since there is no exchange rate adjustment in a common market, the adjustment would typically result in a fall in income and employment. Theoretically, it was assumed that the freed resources would seek employment in other regional economies. The continued poor performance of a regional economy centered upon the immobility of these resources, and explanations for the poor performance of a regional economy became the subject of empirical study.

Empirical study of a regional area was hindered by a general lack of information. The reaction of a regional economy to either an increase or a decrease in export income remained a matter of conjecture. Regional economic statistics were not current or comprehensive enough to evaluate the magnitude of the adjustment. Furthermore, they were too general to isolate the economic reaction to a change in a specific export industry.

Regional input-output studies are a part of a larger effort to produce information on the operation of regional economies. An input-output model produces estimates of the magnitudes of adjustments within a regional economy. Combined with other statistics and information on a regional area, the input-output model provides a significant tool to study and evaluate the performance of a regional economy.

This report represents the culmination of three years' intensive study of the Lower Rio Grande regional economy. The remainder of this chapter gives a brief description of the regional area, its history and economy. Chapter II presents the methods used to collect and process data for the input-output model. Chapter III explains the input-output tables and gives examples on how they can be used and interpreted.

#### History, Geography and Economic Base

The Lower Rio Grande Region is made up of nineteen counties located in the southernmost tip of Texas. These counties are shown on the map on page 4.

In some cases the counties support diverse economic activity, but historical and geographical similarities justify their treatment as a unique region. In addition, the counties face similar problems, and a regional input-output model can aid in planning activities to alleviate the problem areas.

The Lower Rio Grande Region includes most of the area contained in the South Texas Plains. The plain gradually rises from the Gulf of Mexico to approximately 1,000 feet above sea level in Webb County. The South Texas Plains can be broadly considered part of the eastern slope of the Rocky Mountains. This mountain range plays a dominant role in the Region's climate and rainfall.

The Rocky Mountains act as a barrier to weather disturbances west of the Continental Divide. Northern cold fronts from Canada move southward and are then pushed eastward by the predominantly southern breezes from the Gulf. Cold fronts are able to push into the South Texas Plains only in the very late winter. As a result the region has very mild winters.

Annual rainfall varies from west to east averaging from 17 to 18 inches. This is adequate for some crop production, however, it is not scattered evenly enough throughout the year. Moisture-laden clouds from the Gulf move over the South Texas Plains, but except in the fall and

early spring, the clouds move into the central United States before being cooled sufficiently to drop their moisture.

With the exception of the Gulf Coast around Corpus Christi, the South Texas Plains area is semi-arid, supporting a natural vegetation of small trees and shrubs, cacti and large areas of brush. The area around Corpus Christi supports marsh and salt grasses.

The Lower Rio Grande Region is drained by two rivers, the Nueces and the Rio Grande. Until man-made reservoirs were built, these rivers were dry beds most of the year and floodways at other times.

For the major portion of recent history the land remained in its natural state and mostly unoccupied. The Spanish first settled along the banks of the Rio Grande to protect against invasions of the gold-producing areas in Mexico. The first crude attempts at irrigation were made by the early Spanish settlers.<sup>1</sup>

The small Spanish settlements remained unchanged after the Mexican Revolution. Institutions remained a mixture of Spanish and Indian. At the time of the Texas Revolution, American settlements had moved as far west as the Nueces River. The South Texas Plains remained a buffer zone between the two settlements.

Following the Texas Revolution, both Mexico and Texas claimed the South Texas Plains. Texas and the United States claims to the territory were enforced by the quartering of troops at Fort Brown in what is now Brownsville. The Rio Grande River became the border between the United States and Mexico after the Mexican War.

Spanish land grants continued to be recognized by the United States, but the institutions that remained intact after the Mexican War were due for a rapid change as an aggressive Anglo-American culture was superimposed on the Spanish and Indian cultures.

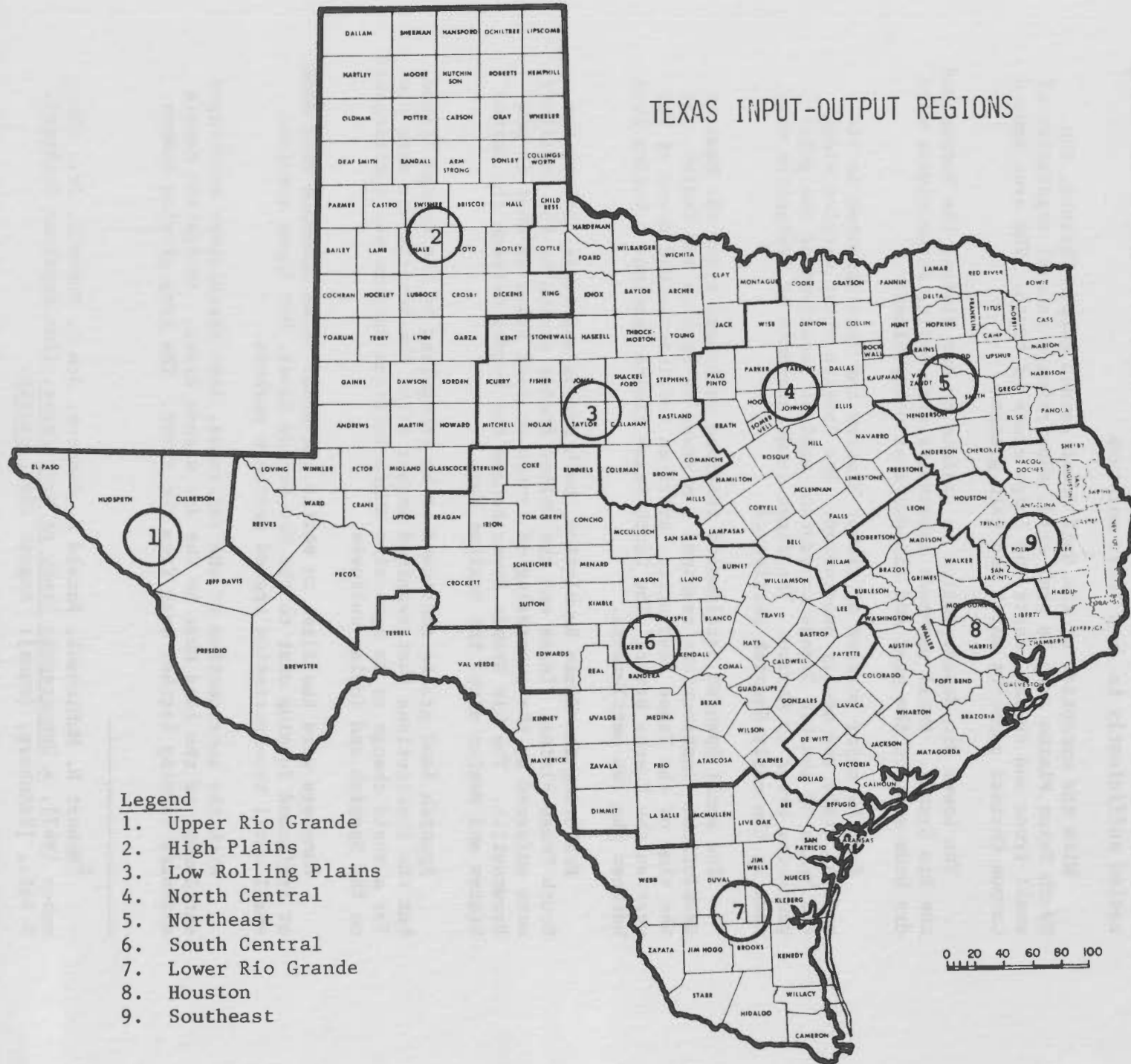
Ranchers were the first to settle the area. Some attempts were made at irrigated farming next to the Rio Grande River, but these remained small until transportation opened northern markets.

With the introduction of the railroads, land speculators encouraged settlement of the land next to the Rio Grande River. Irrigation canals extended farming farther away from the river. The long growing season

---

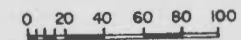
<sup>1</sup>Robert N. McMichael, Ronald B. Geenens, Joe C. Murrell, Jr., [December 1967], A Demographic Study of West Texas, [Pan American College], 9 Vol., [Edinburg, Texas]: August 1968, passim.

# TEXAS INPUT-OUTPUT REGIONS



## Legend

1. Upper Rio Grande
2. High Plains
3. Low Rolling Plains
4. North Central
5. Northeast
6. South Central
7. Lower Rio Grande
8. Houston
9. Southeast



and abundant labor created a competitive advantage in producing winter fruits and vegetables. In summer, farmland is turned to the production of cotton and grain sorghum. The summer crops gradually were mechanized, creating conditions for an export of seasonal farm labor from the area after the harvest of winter fruits and vegetables.

The termination of the "Bracero Program" in the decade of the sixties limited the supply of labor used in harvesting vegetables and fruits throughout the central United States.<sup>2</sup> The farms in the Lower Rio Grande Region switched to more mechanized crops. These new crops support more agricultural machinery sales, farm supply sales, and aircraft application services.

The structural changes that have taken place in agriculture also altered the handling of farm output. Fresh fruit and vegetable packing has declined. Citrus "juicing plants" have increased. More winter fruits and vegetables are shipped to the United States from Mexico. Some of these imports support frozen food operations within the region, and the remainder is packed for immediate consumption.

Employment in agriculture has declined with the increased mechanization that has taken place. However, the industry continues to be an important employer. Jobs in agriculture are now less seasonal and command higher wages. In comparison to past agricultural employment levels, the industry presently supports a smaller population.

Cattle production is the major employer in most of the counties of the central part of the region. These counties support only small populations.

Oil and gas production remain important sources of revenue, but they do not employ large amounts of labor. The major refining and shipping point is Corpus Christi.

A significant amount of the region's wholesale, service, and retail trade can be considered part of the economic base. Tourists visit the region's Gulf Coast and border cities in increasing numbers each year. In addition, trade with Mexico creates sales in the border cities.

Both the expansion of tourism and the increased trade with Mexico have increased employment in wholesale, service, and retail industries. The expansion in these industries has partly offset the decline in population caused by agricultural mechanization. An expansion of population has occurred in the urban areas while population has declined in rural counties.

Manufacturing in the Lower Rio Grande Region first developed around

---

<sup>2</sup>Ronald B. Geenens, "Economic Adjustments to the Termination of the Bracero Program" (unpublished Doctoral dissertation, The University of Arkansas, Fayetteville, 1967).



the other base industries, particularly agriculture and fisheries. In recent years clothing plants and electronic component manufacturers have located in the region. Low-wage rates are the basic motivation for these plant locations. The Lower Rio Grande Region is far removed from the markets for these products, and the raw materials for these products are shipped to the region.

Mexico's "Border Industrialization Program" has encouraged industrial location. The program allows the use of Mexican National labor in Mexico to assemble raw materials shipped into Mexico. The finished product can be shipped out of Mexico without duties. If it is shipped back to the United States, only the value added duties are paid.

These newer manufacturing plants pay higher wages than seasonal agricultural employment, and increase the workers skills. They are not, however, integrated into the region's economy. If wages increase rapidly, or if Mexico eliminates special concessions to manufacturers, the plants could relocate.

The economic base of the Lower Rio Grande Region has grown significantly since the Mexican War. Rapid development started during the 1920's and has continued to the present. This growth, the historical background, and the geography of the region have created long term economic and social problems. The problems arise from language and cultural differences, an agricultural oriented economy, low education level and unskilled labor. In recent years large amounts of federal funds have been allocated to the development of the region's resources and the solution of these problems.

#### The Input-Output Model and The Lower Rio Grande Region

An input-output model does not project economic activity into the future in the sense that a demographer extrapolates population trends. Instead the model represents a static simulation of an economic region. It is based upon the current interdependence of economic activities.

The use of the terms "input" and "output" emphasizes the importance of the economic interdependence. The output (sales) of any industry, say agricultural grain production, is used as an input (purchase) in a variety of other industries, say bread-baking and cattle raising. Other industries produce inputs for agricultural grain production. If bread-baking and cattle feedlot operations increase, then agricultural grain production must increase if the economy is to avoid a shortage of grain. The expansion of grain production must in turn increase the inputs of other industries into agriculture. At the end of all these adjustments there must be a one correct level of production for all the industries to allow bread-baking and cattle feedlot operations to expand their levels of production.

The input-output model estimates the level of production for each of the industries. Its value to planners interested in promoting growth is obvious. For example, if community groups are considering a promotional

campaign to draw industry into a community industrial park, it would be valuable to know that certain types of industries would create more total sales and more employment in the community. Knowledge of the type of industry that would create greater interaction with other business establishments would help determine promotion targets and allow more efficient utilization of the promotional funds.

The model can estimate the economic impact of a food stamp program, both by industry and the total economy. It can be used to estimate the impact of the phasing out of an industry or the creation of a new industry. It can estimate the economic impact of a planned government expenditure. If total economic impact is important, the effect of different expenditures can be compared so that the maximum results can be obtained. In short, the input-output model provides a flexible tool that produces estimates of value to both private and public planners. It is a significant step toward the development of an information system to study the economy in the Lower Rio Grande Region.

Industry	Value Added	Employment	Output	Input
Food Processing	1500	120	2000	1000
Textile Mills	1200	100	1800	900
Chemical Plants	1800	150	2500	1200
Electronics	2000	180	3000	1500
Automotive	2500	200	3500	1800
Metals	1000	80	1500	750
Transportation	800	60	1200	600
Health Services	600	50	900	450
Education	400	30	600	300
Government	300	20	450	225
Other	200	15	300	150
<b>Total</b>	<b>10000</b>	<b>800</b>	<b>15000</b>	<b>7500</b>

Source: Bureau of Economic Analysis, "Regional Input-Output Accounts for the United States, 1967." (Washington, D.C.: Government Printing Office, 1970).

TABLE I. Estimates of Per Capita Income for Counties and Region in Constant Dollars, Lower Rio Grande Region

COUNTY	PER CAPITA INCOME		DOLLAR	PERCENT
			CHANGE	
	1959	1967	1959-1967	1959-1967
Aransas	1,680	2,805	1,125	66.96
Bee	1,968	2,589	621	31.55
Brooks	1,969	1,859	- 110	- 5.59
*Cameron	1,344	1,813	469	34.90
Duval	984	1,213	229	23.27
*Hidalgo	1,107	1,469	362	32.70
Jim Hogg	1,590	1,479	- 111	- 6.98
Jim Wells	1,374	1,829	455	33.11
Kenedy	3,378	2,038	-1,349	-39.67
Kleberg	2,043	2,411	368	18.01
Live Oak	1,471	1,766	295	20.05
McMullen	2,696	2,460	- 236	- 8.75
*Nueces	2,270	2,645	375	16.52
(San Patricio included in Nueces)				
Refugio	1,628	2,814	1,186	72.85
Starr	793	1,165	372	46.01
Webb	1,245	1,793	548	44.02
*Willacy	1,476	1,938	462	31.30
Zapata	<u>1,823</u>	<u>1,160</u>	- <u>663</u>	- <u>36.37</u>
REGION	<u>\$1,508</u>	<u>\$2,052</u>	<u>\$ 554</u>	<u>36.07</u>

SOURCE: Office of Business Economics, "Personal Income by Major Sources and Earnings by Broad Industrial Sectors," U.S. Department of Commerce (Washington, 1971).

\*Standard Metropolitan Statistical Area Counties



TABLE II. Total and Spanish-Surname Population by County and Region, with Percentage Changes in Spanish-Surname Population from 1950 to 1960, Lower Rio Grande Region

COUNTY and REGION	TOTAL POPULATION 1960	SPANISH- SURNAME 1960	PERCENT SPANISH-SURNAME 1960	PERCENT CHANGE SPANISH-SURNAME 1950-1960
Aransas	7,006	1,368	19.5	74.7
Bee	23,755	8,580	36.1	7.8
Brooks	8,609	5,928	68.9	0.6
Cameron	151,098	90,744	64.0	19.3
Duval	13,398	9,788	73.1	- 8.7
Hidalgo	180,904	129,092	71.4	14.8
Jim Hogg	5,022	3,861	76.9	- 5.8
Jim Wells	34,548	18,848	54.6	26.7
Kenedy	844	712	80.5	28.8
Kleberg	30,052	12,514	41.6	21.4
Live Oak	7,846	2,686	34.2	-20.6
McMullen	1,116	314	28.1	-27.1
Nueces	221,573	84,386	38.1	43.2
Refugio	10,975	3,484	31.7	32.5
San Patricio	45,021	22,239	49.4	20.4
Starr	17,137	15,196	88.7	22.0
Webb	64,791	51,784	79.9	9.0
Willacy	20,084	13,734	68.4	1.9
Zapata	<u>4,393</u>	<u>3,285</u>	<u>74.8</u>	<u>-20.7</u>
REGION	<u>848,212</u>	<u>484,543</u>	<u>57.1</u>	<u>14.1</u>

SOURCE: Harley L. Browning and S. Dale McLemore, A Statistical Profile of the Spanish-Surname Population of Texas, Bureau of Business Research, The University of Texas (Austin: 1965).

TABLE III. Percentage Distribution of Family Income, 1960, Lower Rio Grande Region

INCOME CATEGORY	PERCENT of FAMILIES
\$ Less than 1,000	% 12.7
1,000 - 1,900	16.2
2,000 - 2,999	14.1
3,000 - 3,999	11.8
4,000 - 4,999	9.6
5,000 - 5,999	8.5
6,000 - 6,999	7.1
7,000 - 9,999	11.9
More than 10,000	8.1

SOURCE: General Social and Economic Characteristics, Texas 1960, U.S. Department of Commerce, Bureau of the Census, (Washington: U.S. Government Printing Office, 1960).

TABLE IV. Earnings by Broad Industrial Sectors, 1967, Lower Rio Grande Region

EARNINGS CATEGORIES	DOLLARS (\$1,000)	PERCENTS
TOTAL EARNINGS	\$1,388,027	100.00
Farm Earnings	157,114	11.32
Total Nonfarm Earnings	1,230,913	88.68
Government Earnings	349,146	25.15
Total Federal	192,240	13.86
Federal Civilian	78,254	5.64
Military	114,166	8.23
State and Local	156,726	11.29
Private Nonfarm Earnings	881,767	63.53
Manufacturing	132,248	9.53
Mining	84,666	6.10
Contract Construction	81,435	5.87
Trans, Communications and Public Utilities	89,717	6.46
Wholesale and Retail	254,862	18.36
Finance, Insurance and Real Estate - F.I.R.E.	48,600	3.50
Services	178,301	12.85
Other	11,045	.80

SOURCE: Office of Business Economics, Personal Income by Major Sources and Earnings by Broad Industrial Sectors, U.S. Department of Commerce, Washington, D.C.

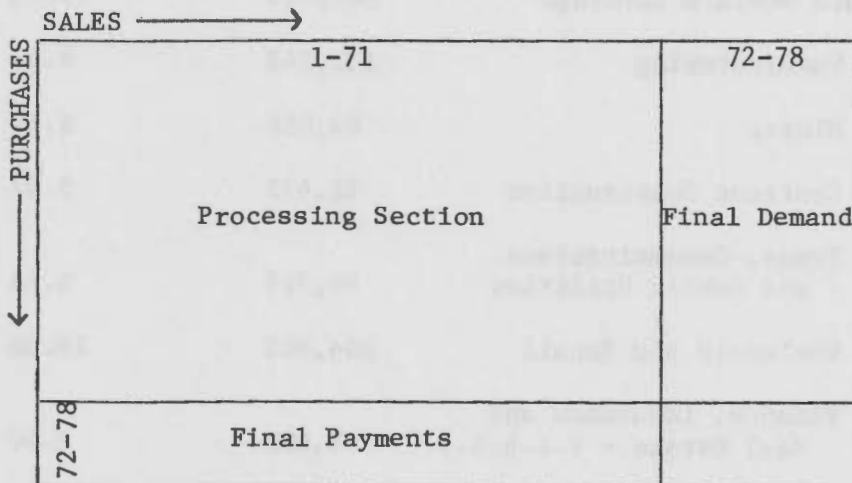
## CHAPTER II

### I. THE DEVELOPMENT OF THE INPUT-OUTPUT MODEL

The word "model" means essentially the same thing as its use in relation to any kind of model. The model simulates something that is real. It is not an exact duplication of reality, but useful for its intended purpose.

The model includes the five tables found in Appendix B. The Transactions Table, Table XII, the first of the five tables, consists of estimates of purchases and sales between industries. Within the Transactions Table, purchases are placed in columns (read vertically) and sales are in rows. All transactions are to the nearest dollar.

The Transactions Table consists of three major sections: a processing section, a final demand section, and a final payments section. The processing section includes the first seventy-one industries which are read across and down the pages. When read down the page, the last seven sectors (72-78) make up final payments. When read across the pages, the last seven sectors (72-78) are final demand.



An industry is an arbitrary grouping of firms using similar inputs and producing similar outputs. The heterogeneous nature of firms makes industrial grouping difficult. An industry in the present model consists of a grouping of firms similar in nature and considered important enough to the area to be evaluated as an individual industry. The actual grouping by Standard Industrial Classification is found in Appendix A, Table VIII.

The transactions table forms the foundation of the input-output model; all other tables are developed from this table. Since this is the foundation of the input-output model, the methodology used to develop the input-output model centers on the construction of the transactions table.

#### A Producer-Price Transactions Table

The estimated dollar transactions between industries were adjusted to form a table based upon producer prices. That is, any dollar amount within the table represents a sale of something of value produced by the seller. For example, the sale of a dress by a retailer to the household represents all costs incurred in producing, transporting and displaying the dress, so that the household may purchase it. Only the cost of displaying the dress represents the value produced by the retailer. Only this amount is shown as a purchase by the household from the retailer.

To carry this example further, suppose that the retail firm sold the dress for \$12. The \$12 would not be the amount that the household purchased from the retailer in a producer-price transactions table. The \$12 would be broken down to show the purchase of value from the firms that produced the value.

Assume the following transactions took place to create the dress, and move it from the manufacturer to the household:

1. The manufacturer sold the dress for \$5.
2. A trucking company transported the dress for \$1.
3. The retailer purchased the dress for \$6.
4. The household purchased the dress for \$12.

The household actually purchased value from the following firms:

<u>Household Purchases</u>		
Manufacturer sold	-	\$5
Transportation sold	-	1
Retailer sold	-	<u>6</u>
TOTAL	-	<u>\$12</u>

Thus a producer-price table of transactions shows the purchase of value from the firm that produced the value. The actual construction of the transactions table involved the separation of the margins for commercial establishments and the separations of transportation charges. These dollar amounts were then allocated to the final demand sector that purchased the good or service.

## II. METHODOLOGY

The dollar estimates within the transactions table were developed from primary and secondary data. Primary data were collected by interviewing firms in the Lower Rio Grande Region, and secondary data were collected from various government and industry reports. The interview data were processed into coefficients which were used to build the transactions matrix. The remainder of this chapter will explain the methods used in collecting data and processing the coefficients into a finished transactions matrix.

### Sample Selection

The shortage of funds prevented gathering a sample large enough to allow the estimation of purchases and sales by each industry with a stated amount of reliability. Besides the shortage of funds, there were other very real limitations to the development of a full-scale statistical study. Some of these other limitations were inadequate records kept by the selected firms, refusal of firms to cooperate, and firms that had ceased operations.

Instead of a full-scale statistical study, an engineering-economics approach to the problem was adopted. The study attempted to gather sufficient information to develop production requirements by each industry with emphasis on obtaining import and export information. In the case of agriculture, no sampling was done, because sufficient data on production requirements already existed.

When sampling was necessary, the sample was stratified according to industry and employment size. In manufacturing, for example, three categories of firm size were used. All firms with 250 or more employees were part of the sample. In the two smaller categories the sample included approximately 40 percent of the number of establishments in each cell. Samples and alternates were drawn in a random fashion with replacement.

### Data Collection

The study determined what industries are operating in various Texas regions, on what scale, and what linkages exist among these industries, both on intrastate and interstate bases. The flow of goods through the state was traced by identifying the customers and suppliers of each establishment interviewed.

---

The processing of the interview data and the collection and processing of secondary data into coefficients is explained in the special reports listed in the Bibliography under Section D, Unpublished Material.

### Essential Information

1. Dollar value of sales and purchases of the establishment for calendar year 1967 -  
Where fiscal years differed from the calendar year, an attempt to adjust the data to this basis was made. If this was not possible, the fiscal period believed to be more representative of the 1967 calendar year was selected.
2. Breakdown of sales and purchases by destination of source
3. Standard Industrial Classification - Purchases and sales were categorized by four-digit SIC's to identify the users.

A majority of the data for the study was collected directly from establishments operating in the regions. Although the information was originally collected from individual establishments, it was used and reported only as aggregated industry totals. This was necessary to avoid disclosure of data relating to individual firms.

### Interviews

The interview with the firm varied because of the confidential nature of the requested information. The desired method was for the visiting interviewer to be allowed direct access to the accounts and records of the firm, under the supervision of the firm's accounting staff or other personnel. Purchases and sales invoices were the key documents, but a variety of documents was referred to in order to complete the desired data collection. In this procedure the time and labor was supplied by the interviewer, with the firm's staff assisting in clarifications and occasional explanations regarding data not normally recorded in accounts of the firm.

Deviations from this procedure depended upon the particular situation and willingness of the firm to cooperate. If access to general accounts and statements was not permitted, purchases and sales invoices were used.

Another alternative procedure was for a member of the firm's staff, who had access to the records, to extract the desired data in the presence of the interviewer.

Although direct or indirect access to the records was preferred, an acceptable procedure was for an executive or supervisor of the firm to give the interviewer informed estimates of the data needed. To some extent, such a procedure was needed, regardless of full availability of



all records of the establishment.

Although not a preferred method, the interviewer sometimes had to leave the questionnaire to be completed by the staff of the firm, and return for the information at a later date. This method was least preferred, because of the difficulty in presenting and classifying data in the proper form for the study. When this method was used, the interviewer spent some time with the respondent in clarifying major points upon his return for the questionnaire.

Data collection by interview continued until September of 1970. In some cases, return interviews were still being conducted as late as October to fill in gaps in coverage or to clarify earlier data collection. This was necessary, generally, because of Hurricane Celia's hitting the Corpus Christi area during previously scheduled interview dates.

### Analysis of Interview Information

The information collected from the interviews presented certain analytical problems. While some purchases and sales might be taken at the value stated by the firm, others had to be adjusted. For example, if a manufacturer reported a purchase of raw materials that did not include transportation expense, this expense had to be estimated and subtracted from the purchase price to make all sales and purchases FOB the supplier. This would eventually show up as a purchase of raw materials, minus transportation expenses, plus a purchase of transportation expense. Since the number of such adjustments was large, they will be discussed under the following headings.

### Inventory Change

The actual value of the inventory presented a problem. Firms value inventories differently, depending upon whether they use a LIFO or FIFO method of evaluation. In the present study, the value of inventories was adjusted to FIFO where information was sufficient. In other cases it was assumed that different methods of inventory valuation would not distort the values greatly.

Beginning inventories were subtracted from ending inventories to determine inventory changes in each sector. Input-output studies in New Mexico<sup>3</sup> and Mississippi<sup>4</sup> left all inventory changes in the hand of the

---

<sup>3</sup>Carolyn Luidbery, A Technical Supplement of the Input-Output Study for New Mexico (Bureau of Business Research, University of New Mexico, Albuquerque: 1966), p. 20.

<sup>4</sup>John Carden and T.B. Whittington, Jr., Studies in the Economic Structure of the State of Mississippi (Mississippi: Mississippi Industrial and Technological Research Commission, 1964), pp. 87-88.



owner as does the present study. The changes make up one column of final demand in the Texas model. In the final processing additions to inventory are added to final sales for the sector holding the inventories, and the decreases are subtracted from the sales of the sector.

The problem of inventory changes arises when the coefficients are applied to control totals for the sectors or regions to produce a transactions matrix. Control totals were for the most part estimates of the industries' production made independently of the sample results. As such, discretion was required in deciding just what the control total represented. If it represented total sales, then the change in inventory would either understate or overstate actual production. Generally, the recommended procedure is to add inventory build-ups to total sales and subtract inventory depletions from gross sales in order to obtain the total production associated with the total cost for the time period under study.<sup>5</sup> If inventories decreased, then sales would be greater than production for the period. In either case above, the control total must be modified by the inventory change, so that inputs would not be understated or overstated in relation to current sales. Such was the case in manufacturing where value of shipments was used as a parameter for the different sectors or regions.

In other cases, the control total represented the total value of inputs. When this total was applied to the sample sales coefficients, the inventory change row adjusted final output without further modification. A decrease in inventory would produce sufficient sales, so that when the inventory change was subtracted from sales, it would equal the control total for purchases. An increase in inventory would deflate sales so that when inventory was added to sales it would equal the control total for purchases.

### Residual

In the original gathering of data from the establishments, discrepancies existed between income and expenses for some firms. If income exceeded expenses by less than ten percent, the discrepancy was assumed to be profit and became part of the household sector. If income exceeded expenses by more than ten percent, ten percent of the total was assumed to be profit, and the remainder was left as a residual.

After analysis, the actual placement of this amount was uncertain except that it would be part of final payments. In some cases it appeared

---

<sup>5</sup>Sidney Jaffe, "Final Demand Sectors," Technical Supplement to Input-Output Analysis: An Appraisal, Vol. 18, (Princeton University Press, 1955), pp. I, 25-28.

to result from companies that have a parent organization outside of the region. If this was the case, it would be added to imports. In others, it was an understatement of profit and should have been added to households. It is quite possible that a major portion could have resulted from an understatement of expenses, which would mean that it might belong in the processing section. However, to make some allocation in the processing section would mean that we would be substituting personal judgment for that of the proprietor. This did not seem advisable. Because of a combination of the above reasons, residual remains a separate row in final payments. At the very least this allows an evaluation of its magnitude and leaves it available for further study.

### Households

No household interviews were conducted. Payments to households and purchases by households were determined by interviewing the firm. After weighting reported wages and profits by the control totals, they were regarded as payments to households. The industry's sales information was used to develop household purchases.

### Capital

Sales of capital goods present special problems to the construction of an input-output model. These sales do not occur smoothly over a period of time but tend to be excessive in some years and below what the level of economic activity would justify in other years.

The capital goods industry in the Lower Rio Grande Region is small consisting mostly of the construction industry sales. Considering the size of this industry, interest rates over the last part of the decade and the national economy, no attempt was made to normalize the reported capital goods sales. Instead, it was assumed that construction was operating at near capacity during the study year.

### State Coefficients Used

After the interviewing was finished and preliminary data processing was completed, it was possible to determine the number of gaps in the regional data. Basically, there were industries that had control totals but no coefficients, or zero (0) interviews. Other data were obtained to fill in the gaps. A major source of additional data was state coefficients. Table IX in Appendix A indicates where state coefficients were utilized.

The adaptation of the state coefficients to the regional model was made by adjusting for imports and exports. This was done by summing the coefficients for state sectors that did not exist in the region and adding them to imports or exports. The amount of error introduced into the model

by these state coefficients is relatively small, because the control totals for those industries treated in this way are not large in comparison to the other industries.

### Control Totals

In general, the transactions values (cell entries in the Transactions Table XII, Appendix B) and the control totals (row or column cell entries summed in the Transactions Table) are in terms of producer prices FOB the shipper in 1967. An example of producer prices FOB the shipper may be illustrated as follows: assume that a manufacturer buys \$950,000 of raw materials from a producer at their point of origin. The \$950,000 becomes part of the producer's control total. If the manufacturer paid for the raw materials at the point of origin, he would also incur the cost of transporting these materials to his own plant.

Assume that this transportation cost the manufacturer \$50,000. Both the cost of the raw materials and the cost of their transportation become part of the manufacturer's input or control total. This process is carried forward to all future buyers.

Agriculture. The value of the control totals for the agricultural sectors in general are the value of the commodities at the point at which the farmer transfers ownership of them to a buyer such as an assembler, (agricultural wholesaler), food processor, grain elevator, or cotton buyer. The cotton buyer generally buys at the gin after the farmer has paid the ginning costs. The cotton gins' control totals are the sum of their gross billings for services rendered. This is also the case for the agricultural service industries. Industry 9, Agricultural Supply except Farm Machinery, is treated in a different manner in that its control total is based on a "margins" basis as are the trade sectors discussed below.

Communications. The control total was derived from direct interviews of firms comprising 90 percent of the Texas telephone industry operations in conjunction with the total gross receipts statements of all intra-Texas revenue from the State Comptroller's Office. Supporting totals were also obtained from the Federal Communication Commission's Statistics of Communication Carriers for 1967.

Estimates of control totals for radio and television and other communications, were made by obtaining information from AM-FM Broadcast Financial Data--1967, Federal Communications Commission, Washington, D.C. February 1967, and TV Broadcast Financial Data--1967, also by the Federal Communications Commission, December 1968.

Construction. The construction industry control totals are the gross value of construction put in place as defined by the 1967 Census of Construction. This means that the construction industry bore the cost of transporting building materials to the construction site.

Finance, Insurance and Real Estate (F.I.R.E.) (NEC). The components of this regional industry grouping are so technically different that the general methods of arriving at control totals must be discussed individually.

Finance. In the regional model, this section is concerned with banking and credit agencies only. The control total is the sum of the total operating revenue of Texas chartered institutions and national banks as obtained from income reports made to the Banking and Consumer Credit Commission of Texas.

Insurance. In general, the total premiums collected for fire and casualty type policies were summed from reports of the Texas Insurance Commission and entered as part of the control total for the sector. For life insurance, only that portion of the premium estimated as the cost of selling and servicing the insurance policies were included as part of the control total of the sector. This also means that the portion of the premium which is the basis for accruing cash values was not counted as part of the control total for the insurance industry. Estimated cash values of insurance for 1967 were included in household savings.

Real Estate and Finance (Miscellaneous) (NEC). The control totals for the real estate and miscellaneous portions of the finance industry were estimated from sample survey data. In general, the definition of this portion of the industry control total is the gross billings for lease and rental of office space, stock brokerage fees, and rental fees for the use of real estate.

Fisheries. The control totals for the fisheries industry are in terms of total value of fish catch at the landing point.

Governments. The control totals for federal government were obtained directly from federal spending in the region as reported by the Office of Economic Opportunity's publication, Federal Outlays in Texas, for federal fiscal years 1967 and 1968 on a half and half basis.

The control total for state government was obtained from state expenditures from the Annual Report of the Comptroller of the State of Texas for fiscal years 1967 and 1968 on a half and half basis.

The local government control total was taken from the total revenue item of the 1967 Census of Government, U.S. Bureau of the Census, Vol. 7, State Report: Texas, Table 32.

Manufacturing. The manufacturing sectors' control totals and value of transactions are expressed in terms of dollar values FOB the shipper as discussed earlier.

Mining. The mining industry is composed of three basic components, namely crude petroleum, natural gas and natural gas liquids, and oil and gas services. The control totals for the industry are composed of two parts: value of the crude petroleum and natural gas and gas liquids at the well head, and the value of gross billings by oil and gas field service establishments at the point at which the service was performed.

Retail Trade. The retail trade control totals were generally obtained as in the case of wholesale trade. (See the discussion for Wholesale Trade listed below.)

Services. The control totals for the service sectors were the gross value of billings for services rendered at the point at which the service was delivered.

Transportation. The control totals for the transportation industries are expressed in terms of gross billings for services rendered. These values were obtained from annual reports of the Texas Railroad Commission for all components except air transportation, which was obtained from the Air Transportation Association.

Utilities. The major utility industry components are natural gas and electric services, and water and sanitation services. Because the transportation cost is not identifiable, the convention of accepting the value of the services at the point of consumption was adopted. This is one exception to the general convention of using producers prices FOB the shipper as discussed previously.

Wholesale Trade. The wholesale trade control totals are the margins or mark-ups on merchandise purchased for resale. These margins were adjusted for transportation charges on the merchandise purchased for resale, and added to the appropriate final demand sector.

#### Balancing Sales and Purchases

The interviews gathered information on both sales and purchases. In preliminary processing, sales and purchases coefficients were treated the same. The coefficients were multiplied by the control totals for each industry and placed in separate sales and purchases tables. For example, Industry 12's control total, \$28,080,000, was multiplied by the sales and purchases coefficients to obtain estimated dollar transactions for the industry.

---

NOTE: For more specific information on control totals, refer to Tables X and XI, Appendix A.



The next step superimposed the sales transactions table on the purchases transactions table. This created three types of balancing problems. First, one industry would report an estimated sale to another industry, and that industry would report an estimated purchase of a different amount. Second, one industry would report a sale while the other would not report a purchase. Third, no sale would be recorded but another industry would report a purchase. While purchases and sales of one industry would sum to the control total, the addition of all other industries' purchases and sales would sum to more than the control total.

The discrepancy between sales and purchases was caused by several things. First, the transaction information was generated by a sample of firms. It would be only coincidence if the sample selected only firms that traded with each other. Second, as already mentioned, the accounting systems of the firms interviewed varied. Finally, estimates made by the proprietor and errors made in allocation of a particular purchase or sale created some of the discrepancy.

An input-output study conducted by the state of Kansas states the problem as follows:

Both sales and purchases information was obtained by personal interview with firms. Because of sampling errors, variable response rates, and differences in accounting periods, the amounts that an industry sold to another industry was not exactly equal to the amount that the purchasing industry indicated that it bought from the selling industry. These differences resulted in the necessity of reconciling the sales and purchases matrices in light of other data.

Since the Office of Economic Analysis has statutory authority to gain access to all information gathered by state agencies, these data sources were used to supplement the samples and to check the accuracy of the information obtained by personal interview.<sup>6</sup>

The balancing problem is one of selecting a dollar amount for each cell in the Transactions Table that represents both a purchase and sale between two industries. There are two relatively easy methods to resolve the balancing problem. First, accept purchase information and balance the difference between the horizontal sum of purchases (representing sales) in final demand. Second, accept sales and balance the sum of the columns

---

<sup>6</sup>M. Jarvin Emerson with Leonard D. Atencio, Philip D. Brooks, J. David Reed, The Interindustry Structure of the Kansas Economy, Report No. 21, (Kansas: Office of Economic Analysis and Planning Division, Kansas Department of Economic Development, January 1969, p. 169.

(representing purchases) in final payments. There is some intermediate ground of accepting some of each, but this poses the rather formidable task of balancing rows and columns after each change. This would include some 10,000 changes in a 100 by 100 matrix each time one cell transaction is changed. The method used in the Lower Rio Grande Region accepts both sales and purchases information and prorates the difference between the actual total and the control total across the column or row.

A rough transactions table was first formed by selecting dollar values from both purchases and sales. Three criteria were used to make one cell entry. First, if a purchase by one industry and no sales by another industry were reported, the purchase value was accepted. Second, if a sale was reported and no purchase was reported, the sale was accepted if it was less than .001 of the control total. This was done to retain as much interaction in the processing section as was justified. If a sale was reported that was greater than .001 of the control total, then it was reduced by one-half and entered into the cell. This was done because it was generally felt that purchase information had fewer allocation errors and a more comprehensive breakdown between industries. Third, if a purchase and a sale were reported and the sale was greater than the purchase, the two were averaged. This was done for the same reason stated above. If the purchase was larger than the sale, the purchase was accepted because it was large enough to include the reported sale. In all, the rough transactions table was weighted more heavily with purchase information.

Two exceptions were made to the above procedure. Agriculture cell entries include only purchase information. Agriculture purchases were derived from production function estimates rather than interviews, and it was felt that other firms' sales estimates should not violate these estimates.<sup>7</sup> Final demand estimates were exclusively sales information.

The preliminary transactions table was evaluated. Large discrepancies were adjusted to conform to the control totals and personal knowledge of the economy of the Lower Rio Grande Region.

The adjusted transactions table was then balanced by prorating the difference between the rows' or columns' sum and the control total. Industries 1 through 8 were deleted from this process.

In order to drive the columns and rows back to agreement with the control total, the total of a column was divided into the control total, and this ratio was used to modify the column entries so that they would sum to the estimated transactions. The same procedure was used on each column. Once the columns were completed, the rows still did not add to the totals. The procedure was then used on the new table produced from the columns. The rows produced another matrix which was closer to the

---

<sup>7</sup> Richard J. Foote, Farm Sectors Final Report, Including Modifications in Previous Reports, A Report Prepared by the Agriculture Economics Department (Lubbock, Texas: Texas Tech University, June 1971), et passim. (Duplicated.)

actual transactions. Successive interactions of this process produced column and row elements that more closely represented the estimated transactions. The following numerical example illustrates the solution. Assume the processing section transactions take the following form in a four industry model:

SALES →	<u>Mining</u>	<u>Manufacturing</u>	<u>Retail</u>	<u>Wholesale</u>	<u>Total</u>
<u>Mining</u>	0	0	4	0	4
<u>Manufacturing</u>	0	2	1	0	3
<u>Retail</u>	3	0	0	1	4
<u>Wholesale</u>	1	0	0	3	4

PURCHASES →	<u>Mining</u>	<u>Manufacturing</u>	<u>Retail</u>	<u>Wholesale</u>	<u>Total</u>
<u>Mining</u>	1	3	0	0	4
<u>Manufacturing</u>	2	0	0	1	3
<u>Retail</u>	0	2	2	0	4
<u>Wholesale</u>	0	2	1	1	4

Note that both industry sales and purchases totals are identical. The discrepancy exists within the tables. For example, Mining purchases were 1 from Mining and 3 from Manufacturing, 0 from Retail and Wholesale. However, Mining reported 0 sales to Mining and Manufacturing did the same. Retail and Wholesale reported sales of 3 and 1.

Considering just the first row of sales and the first column of purchases, the cells should read as follows:

	PURCHASES → (SALES READ DOWN COLUMNS)				
	<u>Mining</u>	<u>Manufacturing</u>	<u>Retail</u>	<u>Wholesale</u>	<u>Total</u>
<u>Mining</u>	1	3	3	1	8

Thus, purchases of Mining include what the sampled Mining firms said they purchased and what others stated that they sold to Mining. However, the total now exceeds the four units Mining was supposed to have purchased. The entire matrix looks as illustrated in the example at the top of the following page.

The discrepancy between what firms stated and the estimated production exists quite naturally because two observations represent the same thing.



<u>PURCHASES</u>	<u>Mining</u>	<u>Manufacturing</u>	<u>Retail</u>	<u>Wholesale</u>	<u>Total</u>
<u>Mining</u>	1	3	3	1	8
<u>Manufact.</u>	2	2	0	1	5
<u>Retail</u>	4	3	2	0	9
<u>Wholesale</u>	<u>0</u>	<u>2</u>	<u>2</u>	<u>4</u>	8
<u>TOTAL</u>	7	10	7	6	

When they are summed, as above, they obviously exceed the total that could be purchased or sold.

The discrepancy is resolved by forcing both rows and columns back to their original totals. The first row is multiplied by  $4/8$  so that it again totals 4. The second, third, and fourth rows are multiplied by  $3/5$ ,  $4/9$ , and  $4/8$ , and new matrix is formed. The columns in the new matrix do not add to 4, 3, 4, 4 as the rows now sum to the proper totals. After twenty complete computations on both rows and columns, the matrix looks as follows:

<u>PURCHASES</u>	<u>Mining</u>	<u>Manufacturing</u>	<u>Retail</u>	<u>Wholesale</u>	<u>Total</u>
<u>Mining</u>	.5607	1.3853	2.0538	.0000	3.9998
<u>Manufact.</u>	.9052	.7454	.8288	.5204	2.9998
<u>Retail</u>	.8303	.0000	1.1172	1.0523	3.9998
<u>Wholesale</u>	<u>.7036</u>	<u>.8691</u>	<u>.0000</u>	<u>2.4272</u>	<u>3.9999</u>
<u>TOTAL</u>	3.9998	2.998	3.9998	3.9999	

With only small rounding adjustments, the matrix will balance to the totals. Each number has been weighted by every other number in the matrix.

After the balancing of sales and purchases, the small remaining differences were allocated over final demand and final payments. The balanced table is the Transactions Table (Appendix B, Table XII). The other four tables in Appendix B were developed from the Transactions Table.

## CHAPTER III

### I. EXPLANATION AND USES OF THE

#### LOWER RIO GRANDE REGION INPUT-OUTPUT MODEL

The input-output model consists of the five tables in Appendix B. The first table in Appendix B is the Transactions Table which was built by estimating dollar transactions (purchases and sales) among industries within the region and those outside the region. The construction of the Transactions Table was explained in Chapter II. A Direct Coefficients Table, the second table in Appendix B, is composed of the decimal equivalent of \$1 in sales and purchases of each industry. That is, each column in the Transactions Table represents purchases by an industry. The total purchases by each industry is the sum of each column shown at the bottom. The Direct Coefficients Table was constructed by dividing the total purchases into each dollar amount within the column. The third table, the Direct and Indirect Effects Table, is essentially a mathematical solution of the second table in the sense that a group of simultaneous equations is solved. More specifically it is the inverse of  $I-A$ , where  $I$  is an identity matrix and  $A$  is the direct coefficients table.

The two other tables included in Appendix B add to the usefulness of the input-output model. Table XV, the Labor Coefficients Table, estimates the labor requirements for each column of the third table. The Labor Coefficients Table is built upon an increase of \$1 million in final sales. The fifth table, the Closed Model, includes the households within the processing section and measures the interaction of the households with the original seventy-one industries in the processing section.

#### The Transactions Table (Table XII, Appendix B)

The basic characteristics of the Transactions Table have already been explained. It is divided into a processing section (rows and columns 1-71), a final payments section (rows 72-78) and a final demand section (columns 72-78). The Transactions Table is composed of estimates of dollar transactions between industries and sectors. These transactions were adjusted to form a producer's price transactions table. This means that other industry and sector transactions with the commercial industries (columns and rows 43-60) include only trade margins.

Reading the Transactions Table is simply a matter of reading sales by an industry across a row and purchases down each column. In the following example, Irrigated Cotton purchased \$355,540 from firms within its own industry. This could represent cotton seed for planting purposes, use of cotton picking machinery owned by farm operators, etc. Irrigated Cotton also purchased \$2,500,000 of ginning services from Industry 10. The rest of the purchases are self-explanatory through Industry 71.

TABLE XII

## Industry 1

## Irrigated Cotton

REGIONS		1
IRRIG COTTON	1	355540.
IRRIG GRAINS	2	0.
VEG, CIT, & OTH IRG	3	0.
DRYLAND COTTON	4	0.
DRYLAND FEED GRN	5	0.
OTH DRYLAND CRPS	6	0.
LIVESTOCK	7	0.
DAIRY & POULTRY	8	0.
AGRI SUPPLY	9	787757.
GINNING	10	2500000.
AGRI SERVICES	11	5260001.
FISHERIES	12	0.
CRUDE PETR GAS	13	0.
RES CONSTR ALT-R	14	0.
COM, EDUC, & IN, CON	15	0.
FAC & OTH CONSTR	16	480000.
MEAT PRODUCTS	17	0.
DAIRY MFG	18	0.
CANNED & OTH FDS	19	0.
OTHER FOOD	20	0.
BEVERAGES	21	0.
TEXTILE MILL PRO	22	496000.
WOOD FURN OTH	23	34200.
NEWSPR PUB & PRT	24	0.
CHEM, DRUGS & REL	25	4867301.
...	..	...
...	..	...
PROFESSIONAL SVC	71	0.
HOUSEHOLDS	72	22498716.
PAY TO FED GVT	73	192099.
PAY TO STATE GVT	74	40442.
PAY TO LOCAL GVT	75	2396189.
DEPRECIATION	76	4236300.
IMPORTS	77	2382179.
RESIDUAL	78	0.
TOTALS		59300008.

Sectors 72-78 are outside the processing section. They are final payment sectors. The term "final payments" is used with respect to purchases. Irrigated Cotton made payments in taxes and fees of \$192,099 to federal government, \$40,442 to state government, etc.

The total at the bottom of each column represents total purchases for each industry. Industry 1, Irrigated Cotton, purchased \$59,300,008. Since final payments include payments to the owner (profits), all taxes and depreciation, the same total represents sales revenue, the sum of row 1.

The sales of Irrigated Cotton are read horizontally. It will be necessary to turn the pages of the Transactions Table to read all the sales of Irrigated Cotton. On the first page Irrigated Cotton sold \$355,540 to itself and zero (0) to the next five industries. On the third page of the Transactions Table, Irrigated Cotton sold \$1,217 to Industry 17, Meat Products. A sampling of the remainder of the sales of Irrigated Cotton is shown below.

## TRANSACTIONS TABLE XII

(Sales)

	1	17	20
	Irrig. Ctn.	Meat Products	Other Food..
	<hr/>	<hr/>	<hr/>
	\$355,540	\$1,217	\$2,877,833
1 Irrigated Cotton			
	22	73	
	Wood Furn.	Fed. Govt. Pur.	TOTAL
	<hr/>	<hr/>	<hr/>
	\$15,664	\$24,087,676	\$59,300,008

Sales of Irrigated Cotton to Sector 73, Federal Government, represents dollar transactions to a final demand sector. The significance of a sector being part of final demand is that further processing of a good stops when it reaches the final customer. The goods are in the hands of the sector that consumes them.

Federal, state, and local governments are part of final demand because these units do little or no processing of goods. The Capital Formation Sector includes final capital goods. Exports (Column 77) include all sales to economic units outside the Lower Rio Grande Region. The exported goods may have been sold to other processors, but as far as the region is concerned, processing has terminated.

Direct Coefficients Table (Table XIII)

Table XIII is composed of the decimal parts of a dollar sale or purchase for any industry within the processing section. The decimals

were derived by dividing the total purchases of each industry into each element of the purchase column in the Transactions Table. The same decimal would result if sales totals were divided into each row element.

TABLE XIII

## Industry 1

## Irrigated Cotton

REGIONS		1
IRRIG COTTON	1	0.00600
IRRIG GRAINS	2	0.00000
VEG,CIT,&OTH IRG	3	0.00000
DRYLAND COTTON	4	0.00000
DRYLAND FEED GRN	5	0.00000
OTH DRYLAND CRPS	6	0.00000
LIVESTOCK	7	0.00000
DAIRY & POULTRY	8	0.00000
AGRI SUPPLY	9	0.01328
GINNING	10	0.04216
AGRI SERVICES	11	0.08870
FISHERIES	12	0.00000
CRUDE PETR GAS	13	0.00000
RES CONSTR ALT-R	14	0.00000
COM, EDUC, & IN, CON	15	0.00000
FAC & OTH CONSTR	16	0.00809
MEAT PRODUCTS	17	0.00000
DAIRY MFG	18	0.00000
CANNED & OTH FOS	19	0.00000
OTHER FOOD	20	0.00000
BEVERAGES	21	0.00000
TEXTILE MILL PRO	22	0.00836
WOOD FURN OTH	23	0.00058
...	..	...
...	..	...
FARM EQUIP DLRS	51	0.01479
HDW HEAT & OTHER	52	0.00342
DEPT & VAR SR	53	0.00000
FOOD STORES	54	0.00000
AUTO DEALERS	55	0.01525
GAS SERV STAT	56	0.00978
APPAREL & ACCESS	57	0.00000
FURN, HOME FURN	58	0.00000
EATING & DRINK	59	0.00000
ALL OTH RETAIL	60	0.00000
BANKING & CREDIT	61	0.01906
INS REAL EST FIN	62	0.05413
LODGING SERVICES	63	0.00000
PERSONAL SERVICE	64	0.00000
ADVERT & OTH SVC	65	0.00067
MOT PICT & OTH	66	0.00000
AUTO RENT & PRK	67	0.00000
MISC REPAIR	68	0.00067
MEDICAL & DENTAL	69	0.00000
EDUCATION	70	0.00000
PROFESSIONAL SVC	71	0.00000
TOTALS		0.46500

Direct coefficients show the direct effects of a dollar increase or decrease in production. Direct effects refer to an increase in sales from other industries in the processing section to the purchasing industry. For example, if Industry 1 increased its sales by \$1, the illustration shows the purchases that would result.

A \$1 increase in sales by Industry 1 will increase sales of all industries producing inputs for Irrigated Cotton by over \$.46. The increased fractional dollar sales for each industry are shown in the column across from the industry name.

Direct effects can be expanded to any dollar amount. Suppose that Industry 1, Irrigated Cotton, increased its sales by \$100,000, the direct effects would be determined in the following manner:

DIRECT COEFFICIENTS TABLE XIII

		(Sales)		
1	Irrigated Cotton	.00600	\$100,000	\$ 600
..	...	...	...	...
9	Agricultural Supply	.01328	100,000	1,328
10	Ginning	.04216	100,000	4,216
11	Agricultural Services	.08870	100,000	8,870
..	...	...	...	...
16	Factory and Other...	.00809	100,000	809
..	...	...	...	...
65	Advertising and Other...	.00067	100,000	67
	TOTAL	<u>.46500</u>	<u>\$100,000</u>	<u>\$46,500</u>

The total direct effects on firms in the local economy (processing section) of an increase in purchases of \$100,000 by Industry 1, would be \$46,500. The remaining \$53,500 of the \$100,000 are payments to the final payments sectors. For example, \$53,500 would be divided among households, governments, and imports from other areas. The direct effects upon each industry are determined by multiplying each coefficient by the amount of the production increase.

#### Direct and Indirect Effects (Table XIV)

The purchases of inputs by Irrigated Cotton are sales of the other industries and constitute the direct effects of the increased sales. There are also secondary effects. The secondary effects arise from the increased production of industries processing inputs for Irrigated Cotton. Since these industries must also purchase more inputs, other industries' sales increase. The process results in a chain of reactions that eventually



encompasses most of the industries in the processing section. The final result will be a level of production for each industry that is consistent with all new production levels required to produce the original change in sales to a final demand sector.

Table XIV presents the direct and indirect impact for each of the seventy-one industries in the processing section. Each column shows the total effects of a \$1 increase in production for that industry. Industry 1 will be used again to illustrate Table XIV.

TABLE XIV

## Industry 1

## Irrigated Cotton

REGIONS		1
IRRIG COTTON	1	1.00005
IRRIG GRAINS	2	0.00001
VEG,CIT,&OTH IRG	3	0.00005
DRYLAND COTTON	4	0.00000
DRYLAND FEED GRN	5	0.00040
OTH DRYLAND CRPS	6	0.00033
LIVESTOCK	7	0.00001
DAIRY & POULTRY	8	0.00339
AGRI SUPPLY	9	0.01330
GINNING	10	0.04216
AGRI SERVICES	11	0.08871
FISHERIES	12	0.00001
CRUDE PETR GAS	13	0.02866
RES CONSTR ALT-R	14	0.00000
COM, EDUC, & IN, CON	15	0.00009
FAC & OTH CONSTR	16	0.01638
MEAT PRODUCTS	17	0.00001
DAIRY MFG	18	0.00000
CANNED & OTH FDS	19	0.00002
OTHER FOOD	20	0.00103
BEVERAGES	21	0.00034
TEXTILE MILL PRG	22	0.00878
WOOD FURN OTH	23	0.00715
NEWSPR PUB & PRT	24	0.00156
CHEM, DRUGS & REL	25	0.09696
PETRO REFIN & PRC	26	0.03242
CLAY, STONE, SHELL	27	0.00008
CEMENT, CONCRETE	28	0.00081
PRIMARY METALS	29	0.00058
FAB STEEL & OTH	30	0.00210
MACH & PROC EQUI	31	0.03307
ELECT, ELECTRONIC	32	0.00049
TRANS EQUIP	33	0.00059
ALL OTHER MFG	34	0.00234
...	..	...
...	..	...
AUTO RENT & PRK	67	0.00025
MISC REPAIR	68	0.00208
MEDICAL & DENTAL	69	0.00010
EDUCATION	70	0.00001
PROFESSIONAL SVC	71	0.00524
TOTALS		1.61069

One characteristic of Table XIV is that the sales are more widely dispersed than in the Direct Coefficients Table. This would be expected because of the multiple interaction of the firms after the initial increase in final sales.

A second characteristic is the sales coefficient of Sector 1 is equal to or greater than unity.<sup>8</sup> The one (1) represents a \$1 increase in sales of Irrigated Cotton that started the chain of increased sales throughout the other industries. The amount shown across from the industry, represents the sales of that industry. For example, Irrigated Cotton increased sales to \$1.00005 and Irrigated Grains increased sales by \$.00001.

The total impact of the dollar increase in sales by Industry 1 is the sum of Column 1 (1.61069). By comparing totals at the bottom of each column, the interaction in each industry and others in the processing section can be evaluated.

Each of the columns in Table XIV can be expanded by any dollar amount by the same procedure used with the direct coefficients. Using Irrigated Cotton again as an example, an expansion of final sales of \$100,000 would have the impact illustrated below:

DIRECT and INDIRECT EFFECTS

(Sales)

1	Irrigated Cotton	1.00005	\$100,000	\$100,005
2	Irrigated Grains	.00001	100,000	1
3	Veg., Citrus and Other..	.00005	100,000	5
4	Dryland Cotton	.00000	100,000	0
5	Dryland Feed Grains	.00040	100,000	40
6	Other Dryland Crops	.00033	100,000	33
7	Livestock	.00001	100,000	1
8	Dairy and Poultry	.00339	100,000	339
9	Agricultural Supply	.01330	100,000	1,330
..	...	...	...	...
	TOTAL	<u>1.61069</u>	<u>\$100,000</u>	<u>\$161,069</u>

<sup>8</sup>The coefficient equal to or greater than unity appears in the diagonal element of Table XIV. When read across the row headings, this figure always appears in the cell in which the row and column headings are the same.

The total increased sales of the industries in the processing section would be \$161,069. This amount includes the original \$100,000 increase in final sales by Irrigated Cotton. The sales of each industry are shown in the total column beside the industry name.

#### Labor Coefficients (Table XV)

The total dollar sales estimated by the coefficients in Table XIV represent an important addition of usable planning information, however, dollar sales do not show the impact upon labor. A dollar increase in final sales of two industries can have different employment effects.

The sample information that generated sales and purchases also was used to derive the amount of labor employed in each industry. The coefficients in the following table represent the amount of labor for each dollar in sales by that industry. The industries are ranked by the amount of labor employed. Such a ranking has only a limited usefulness because the ranking does not indicate the interaction of industries.

Table XV is a combination of Table XIV and the labor coefficients. If each column in Table XIV is expanded by a \$1 million increase in final sales and then multiplied by the corresponding labor coefficients, the resulting product shows the amount of labor employed per \$1 million increase in sales.

Using Irrigated Cotton (Industry 1) as an example, Table XV was constructed in the following manner:

LABOR COEFFICIENTS TABLE XV

	Table XIV Coefficient	Sales	Labor Coefficient	Labor Demand
1 Irrig. Cotton	1.00005	\$1,000,000	.000043	43.00
2 Irrig. Grains	.00001	1,000,000	.000090	0.00
3 Veg., Cit., & Oth...	.00005	1,000,000	.000181	0.00
4 Dryland Ctn.	.00000	1,000,000	.000047	0.00
5 Dryland Fd. Grn.	.00040	1,000,000	.000084	0.03
6 Oth. Dryland	.00033	1,000,000	.000113	0.03
7 Livestock	.00001	1,000,000	.000097	0.00
8 Dairy & Poultry	.00339	1,000,000	.000063	0.21
9 Agric. Supply	.01330	1,000,000	.000049	0.65
.. ..	...	...	...	..
TOTAL				<u>62.13</u>

TABLE V. Regional Industries Ranked by Degree of Labor Intensity in Terms of Number of Employees per Dollar of Output

RANK	INDUSTRY	REGIONAL INDUSTRY DESCRIPTION	COEFFICIENT
1.	56	Gasoline Service Stations	.000370
2.	46	Wholesale Livestock	.000203
3.	3	Vegetables, Citrus and Other Irrigated Crop Products	.000181
4.	71	Professional Services	.000177
5.	27	Clay, Cut Stone and Shell Products	.000172
6.	35	Highway Motor Freight, Passenger Service and Warehousing	.000161
7.	63	Lodging Services	.000154
8.	22	Textile Mill Products, Furnishings and Apparel	.000124
9.	64	Personal Services	.000123
10.	6	Other Dryland Crop Production	.000113
11.	32	Electrical and Electronic Equipment	.000111
12.	7	Range and Feed Lot Production	.000097
13.	66	Motion Picture, Amusement and Recreation Services	.000096
14.	69	Medical and Dental Services	.000093
15.	2	Irrigated Grains	.000090
16.	70	Education (public and private)	.000088
17.	5	Dryland Feed Grains	.000084
18.	21	Beverages	.000079
19.	12	Fisheries	.000078
20.	24	Newspapers, Publishing and Printing	.000071
21.	67	Auto Rentals and Parking Services	.000070
22.	33	Transportation Equipment	.000069
23.	59	Eating and Drinking Places	.000069
24.	42	Water and Sanitary Service Systems (public and private)	.000068
25.	52	Hardware, Heating, Electrical, Paint and Wallpaper	.000068
26.	65 3	Advertising, Duplicating, Addressing and Photographing Services	.000067
27.	37	Air Transportation	.000066
28.	8	Dairy, Poultry and Eggs	.000063
29.	19	Canned, Preserved, Pickled, Dried and Frozen Foods	.000060
30.	34	Other Manufacturing	.000058
31.	53	Department and Variety Stores	.000054
32.	36	Water Transportation	.000050
33.	39	Communications	.000050
34.	9	Agricultural Supply, except Farm Machinery	.000049

TABLE V (continued)

RANK	INDUSTRY	REGIONAL INDUSTRY DESCRIPTION	COEFFICIENT
35.	30	Fabricated Steel and Other Metal Products	.000048
36.	4	Dryland Cotton	.000047
37.	60	All Other Retail	.000045
38.	23	Wood Furniture and Other Wood and Paper Products	.000045
39.	16	Facility and Other Construction	.000044
40.	1	Irrigated Cotton	.000043
41.	18	Dairy Manufacturing	.000042
42.	68	Miscellaneous Repair Services	.000042
43.	15	Commercial, Educational and Institutional Construction	.000040
44.	14	Residential Construction, Alteration and Repair	.000038
45.	28	Cement and Concrete Products	.000037
46.	57	Apparel, Accessory Stores	.000036
47.	58	Furniture, Home Furnishings, Equipment Stores	.000036
48.	31	Machinery and Processing Equipment	.000035
49.	25	Chemicals, Drugs and Related Products	.000034
50.	61	Banking and Credit Agencies	.000034
51.	38	Other Transportation Services	.000031
52.	43	Wholesale Auto Parts and Supplies	.000030
53.	50	Retail Lumberyards	.000029
54.	51	Farm Equipment Dealers	.000029
55.	54	Food Stores	.000029
56.	41	Electric Services (public and private)	.000027
57.	44	Wholesale Groceries and Related Products	.000025
58.	49	General Wholesale	.000024
59.	55	Automobile Dealers and Repair Shops	.000022
60.	20	Other Food and Kindred Products	.000021
61.	47	Wholesale Machinery, Equipment and Supplies	.000019
62.	17	Meat Products	.000015
63.	29	Primary Metals, Foundries and Forgings	.000015
64.	48	Wholesale Petroleum and Petroleum Products	.000011
65.	13	Crude Petroleum, Natural Gas, and Services	.000010
66.	62	Insurance Carriers, Real Estate and Finance	.000005
67.	26	Petroleum Refining and Products	.000003
68.	40	Gas Services (public and private)	.000003
69.	45	Wholesale Farm Products	.000001
70.	10	n/a	
71.	11	n/a	

A \$1 million increase in final sales for Irrigated Cotton will employ forty-three workers in that industry. As the increased production in Irrigated Cotton increases sales of other industries, they will hire more labor. The employment demand in each industry is shown directly across from the industry name. The total employment demand is the sum of the labor demand column. A \$1 million increase in final sales in Irrigated Cotton will increase employment by approximately sixty-two workers.

The sums of the columns in Table XV are comparable. Each column represents the employment effects of a \$1 million increase in final sales for that industry. For example:

	<u>Industry</u>	(Table XV) <u>Column Total</u>
1	Irrigated Cotton	62.13
2	Irrigated Grains	112.54
3	Veg., Citrus and Other...	196.95
4	Dryland Cotton	64.16
5	Dryland Feed Grains	112.46

By comparing the employment effects, it is possible to select the most labor intensive industry per \$1 million worth of sales. For example, by comparing the five industries illustrated above, it is obvious that \$1 million increase in the sales of Industry 3 will provide the greatest amount of employment.

#### The Closed Model (Table XVI)

Table XVI is read in the same way as Table XIV. The only difference between the two tables is that the processing section includes the households in Table XVI. Table XVI treats the households as a producer of labor services (sales) and its purchases from various industries (inputs) as raw materials necessary for the production of labor services.

Table XIV estimated the total sales increase in the processing section (Industries 1-71) from an increase in final demand. Household buying (consumption) was part of that final demand. However, when sales of the industries in the processing section increase, they hire more labor and increase dollar flows to the households. The household then spends more dollars on goods and services and also increases the sales of other establishments. The estimated interaction of Industries 1



through 71 with the Household is shown in Table XVI. This table can be expanded to any dollar amount in the same manner that the other tables were expanded. Using Irrigated Cotton as an example, the following computations are necessary if final sales increase is \$100,000:

TABLE XVI  
THE CLOSED MODEL

	<u>Industry</u>	<u>Coefficient</u>	<u>Sales</u>	<u>Total</u>
1	Irrigated Cotton	1.00020	\$100,000	\$100,020
2	Irrigated Grains	.00004	100,000	4
3	Veg., Citrus and Other...	.00233	100,000	233
4	Dryland Cotton	.00002	100,000	2
5	Dryland Feed Grains	.00102	100,000	102
6	Other Dryland Crops	.00169	100,000	169
7	Livestock	.00397	100,000	397
8	Dairy & Poultry	.00757	100,000	757
..	....	...	...	...
	TOTAL	<u>2.54638</u>	<u>\$100,000</u>	<u>\$254,638</u>

The coefficients represent a dollar increase in final sales by the industry at the top of the column. Individual industry sales effects are shown in the same column directly across from the industry name. By multiplying each of the coefficients by \$100,000, the effect of an increase in final sales is found. All other columns can be expanded in the same manner.

The total sales impact of the \$100,000 final sales increase in any industry can be computed by multiplying the total coefficients at the bottom of each column by \$100,000. In the preceding example using Irrigated Cotton the total sales impact is \$254,638. By comparing this total with the total obtained from Table XIV (\$161,069) the sales increase by including the households in the processing section can be observed. As would be expected, the total sales impact shown in Table XVI, is greater because of the inclusion of the households. This would be expected because monetary flows to the households are respent with the industries of the processing section, causing a further increase in

sales. The following table compares the total sales impact of Table XIV and Table XVI.

	<u>Industry</u>	<u>Table XIV Coefficient</u>	<u>Table XVI Coefficient</u>
1	Irrigated Cotton	1.61069	2.54638
2	Irrigated Grains	1.65478	2.31679
3	Veg., Citrus and Other...	1.46480	2.41535
4	Dryland Cotton	1.51300	2.52480
5	Dryland Fd. Grns.	1.73464	2.39685
6	Oth. Dryland Crops	1.45471	2.00493
7	Dairy & Poultry	1.40102	2.34460
9	Agric. Supply	1.32251	2.17367

The data in Tables XIV and XVI are based on the assumption of a \$1 increase in final sales (say export sales). The rise in production increased the purchase of inputs throughout the processing section. Industry 1 (Irrigated Cotton) increased sales by \$1.61 without including households. When the households are included, sales increased to \$2.55. The remaining coefficients are read in the same manner.

## II. USES OF THE INPUT-OUTPUT MODEL

This section is not intended to be an exhaustive summary of the uses of the model in relation to the Lower Rio Grande Region. Such a summary could get quite long, because the model is extremely flexible. However, the limited number of examples presented is intended to give planners some conception of its usefulness.

The examples that were selected bear a close relationship to actual points of concern or planned expenditures in the economy. However, they should not be considered realistic in the sense that the actual dollar amounts are based upon planned outlays.

### Growth of Tourism

Planners are sometimes interested in evaluating the stresses certain expenditures will make upon an economy. Assume certain community groups

are planning to promote tourism. They estimate the 1,000 tourist housing units will be needed within one year after the promotion campaign is begun. The estimated cost of the construction will be \$10 million.

Using Column 14, the following computations are necessary:

DIRECT EFFECTS (TABLE XIII)

Residential Construction (Industry 14)

	<u>Sector</u>	<u>Coefficient</u>	<u>Expenditure</u>	<u>Direct Effects</u>
16	Other Construct.	.00084	\$10,000,000	\$ 8,400
22	Textile Mills	.00493		49,300
23	Wood Furniture	.01658	10,000,000	165,800
..	...	...	...	.....
71	Profess. Services	<u>.02015</u>	<u>10,000,000</u>	<u>201,500</u>
	TOTAL	<u>.21050</u>	<u>\$10,000,000</u>	<u>\$2,105,000</u>

In the preceding example, the first fifteen industries in Table XIII were skipped because the direct coefficients were zero (0). Industry 16 was the first industry to increase sales because of the increased sales of \$10,000,000 in Residential Construction. The direct sales of each industry are found by multiplying the coefficient in Column 14 by \$10,000,000. These direct effects are shown in the right hand column. Thus, Industry 16 increased its sales by \$8,400; Industry 22 increased its sales by \$49,300; etc.

The total direct effect of the increased sales by Industry 14 is the total of the industry's direct effects. It can also be calculated by multiplying the total of the coefficients in Column 14 (.21050) by \$10 million. This total, \$2,105,000, shows how much Industry 14 (Residential Construction) purchased from the seventy-one industries in the processing section.

The example shows only the direct effects; there are also indirect effects. For example, Industry 16 increased its sales (\$8,400), and it must now purchase inputs from other industries. This creates a chain of purchases among the industries of the processing section. The total direct and indirect effects are calculated using Table XIV as illustrated on the following page.

It is apparent that the full impact of the increased sales of Industry 14 is more widely dispersed than Table XIII indicated. Industry 13 had zero (0) increased sales from the direct effects, but the total

impact shows sales expanding by \$92,500. The \$10 million opposite Industry 14 is the original increase in sales by that industry. Industry 16 increased its sales by \$8,400 as a result of direct sales to Industry 14, but in the chain of economic interactions, sales of Industry 16 increased to \$20,300. The impact on the remaining industries can be determined by multiplying the coefficient in Column 14 by \$10 million.

DIRECT and INDIRECT EFFECTS (TABLE XIV)

Residential Construction (Industry 14)

<u>Sector</u>	<u>Coefficient</u>	<u>Expenditure</u>	<u>Effects Direct and Indirect</u>
13 Crude Petroleum	.00925	\$10,000,000	\$ 92,500
14 Resident. Const.	1.00000	10,000,000	10,000,000
16 Other Const.	.00203	10,000,000	20,300
.. ..	...	...	...
71 Profess. Serv.	<u>.02184</u>	<u>10,000,000</u>	<u>218,400</u>
TOTAL	<u>1.24759</u>	<u>\$10,000,000</u>	<u>\$12,475,900</u>

The total direct and indirect effects is the sum of the individual industry effects. This total can also be calculated by multiplying the sum of the coefficients in Column 14, Table XIV by \$10 million.

The impact upon the labor force can be determined by using Table XV. This table is constructed on the basis of a \$1 million increase in final sales. Therefore, each labor coefficient in Column 14 will have to be multiplied by ten to make it correspond to the final sales increase of \$10 million.

LABOR COEFFICIENTS (TABLE XV)

Residential Construction (Column 14)

<u>Sector</u>	<u>Coefficient</u>	<u>Multiple</u>	<u>Labor</u>
13 Crude Petroleum	.09	10	.9
14 Residential Const.	38.00	10	380.0
16 Other Construction	.08	10	.8
.. ..	...	..	...
71 Profess. Serv.	<u>3.86</u>	<u>10</u>	<u>38.6</u>
TOTAL	<u>51.68</u>	<u>10</u>	<u>516.8</u>

The employment in each industry that results from an expansion of final sales of \$10 million in Industry 14 is read in the labor column of the illustration. For example, Industry 13 sales increased \$92,500. In order to support this sales increase that industry will have to hire an estimated .9 workers. The remaining labor requirements are read in the same way.

Total employment impact from the increased final sales of \$10 million in tourist housing is the sum of the industrial employment. The total employment can also be calculated by multiplying the sum of Column 14, Table XV by ten. This calculation will give an estimated total employment of 517.

Table XIV estimated the impact of the expenditure of \$10 million for tourist housing on the industries of the processing section. The interaction of the households and processing sections can be evaluated by Table XVI. The following computations are necessary:

CLOSED MODEL (TABLE XVI)

Residential Construction (Column 14)

	<u>Industry</u>	<u>Coefficient</u>	<u>Multiple</u>	<u>Total</u>
1	Irrigated Cotton	.00014	\$10,000,000	\$ 1,400
2	Irrigated Grains	.00002	10,000,000	200
3	Veg., Citrus and Other...	.00185	10,000,000	18,500
..	...	...	...	...
71	Profess. Services	.03287	10,000,000	.328,700
72	Households	.44605	10,000,000	4,460,500
	TOTAL	<u>2.00692</u>	<u>\$10,000,000</u>	<u>\$20,069,200</u>

The industrial impact is more diverse with the inclusion of the households in the processing section. The wages paid to the households are respent for consumption. This consumption expenditure will increase sales of the industries in the processing section, creating more interactions than when the households were not included. The individual industry sales are read in the same way that the other examples were read. The total impact is \$20,069,200.

Food Stamps

At the present time Hidalgo County is distributing surplus agricultural commodities to welfare recipients. The present system is considered inadequate for a variety of reasons, some of which are:

- (1) Food that is distributed does not constitute an adequate well-rounded diet.
- (2) Inadequate storage facilities for bulk shipments have led to large amounts of spoilage.
- (3) Recipients have to wait in long lines to receive commodities.

The food stamp program was sought as a solution to these problems. One aspect of the food stamp plan that has been considered beneficial is that the food stamp plan would increase sales of merchants. This sales increase would have a multiple effect upon the economy. Since the program requires a matching expenditure by the county, the size of the multiple expansion is important.

The input-output model can estimate the unknown multiple effects. Assume that the yearly expenditure on food stamps will provide an additional \$850,000 income for food purchases. This amount will not be applied directly to Industry 54, Food Stores, because the model was adjusted to reflect producers prices.

An increase in food expenditures must be broken down to reflect the purchases of value from producers. An increase of \$850,000 sales of Food Stores reflects, for example, a purchase of Meat Products, Industry 17, a purchase of Dairy Products, Industry 18, etc. Only the margin on each of these products represents a purchase of value from Food Stores.

The process used to separate \$850,000 into various industrial expenditures can be quite complex. A hypothetical example will be used to illustrate the steps involved. Assume that \$100,000 of the \$850,000 will be expended on Dairy Products. Assume also that 20 percent of the price on Dairy Products at Food Stores is margin to pay the expenses of operating the stores. The households receiving the food stamps would purchase \$20,000 from the Food Stores (Industry 54) and \$80,000 from Dairy Manufacturing (Industry 18). The following computations would be necessary to estimate the direct sales created by the purchase of \$100,000 in Dairy Products:

DIRECT EFFECTS (TABLE XIII), COLUMN 18

	<u>Industry</u>	<u>Coefficient</u>	<u>Expenditure</u>	<u>Direct Sales</u>
3	Veg. Citrus and Oth...	.00012	\$80,000	\$ 9.60
7	Livestock	.00011	80,000	8.80
8	Dairy and Poultry	.34670	80,000	\$27,736.00
18	Dairy Manufacturing	.00780	80,000	624.00
..	...	...	...	...
	TOTAL	<u>.37016</u>	<u>\$80,000</u>	<u>\$29,612.80</u>



## DIRECT EFFECTS (TABLE XIII), COLUMN 54

	<u>Industry</u>	<u>Coefficient</u>	<u>Expenditure</u>	<u>Direct Sales</u>
24	Newspaper Pub...	.00798	\$20,000	\$159.60
39	Communication	.00288	20,000	57.60
40	Gas Services	.00155	20,000	31.00
..	...	...	...	...
	TOTAL	<u>.04418</u>	<u>\$20,000</u>	<u>\$833.60</u>

The total direct effects of \$100,000 expended on Dairy products at Food Stores would be the sum of the total direct effects (\$29,612.80 + \$883.60 = \$30,496.40). The direct effects by industry can be determined by summing the direct sales by industry columns horizontally. For example, Industry 8 increased its sales to Dairy Manufacturing by \$27,736.00 and to Food Stores by zero (0). The sum of these dollar amounts would estimate the direct impact on Industry 8 of an increased purchase of Dairy Products.

The increase in direct sales by Industry 8 would create more sales for other industries, because Industry 8 now has to purchase more inputs. The total sales impact (direct and indirect) can be estimated using Table XIV, Appendix B. The following computations are necessary:

## DIRECT and INDIRECT EFFECTS (TABLE XIV), COLUMN 18

	<u>Industry</u>	<u>Coefficient</u>	<u>Expenditure</u>	<u>Direct Sales</u>
1	Irrig. Ctn.	.00226	\$80,000	\$ 180.80
5	Dryland Fd. Grn.	.03827	80,000	3,061.60
13	Crude Petro.	.01122	80,000	897.60
26	Petro. Regin.	.01485	80,000	1,188.00
..	...	...	...	...
	TOTAL	<u>1.7108</u>	<u>\$80,000</u>	<u>\$137,446.40</u>

## DIRECT and INDIRECT EFFECTS (TABLE XIV), COLUMN 54

	<u>Industry</u>	<u>Coefficient</u>	<u>Expenditure</u>	<u>Direct Sales</u>
13	Crude Petro.	.00255	\$20,000	\$ 51.00
16	Fac. & Oth. Const.	.00024	20,000	4.80
24	Newspaper Pub...	.00809	20,000	161.80
39	Communications	.00326	20,000	65.20
..	...	...	...	...
	TOTAL	<u>1.05266</u>	<u>\$20,000</u>	<u>\$ 21,053.20</u>

The total direct and indirect effects from the purchase of \$100,000, Dairy Products from Food Stores, would be the sum obtained from Column 18 and Column 54, or \$158,499.60. Individual industry sales increases can be obtained by summing the last column horizontally in the same manner explained with direct effects.

The employment created by the \$100,000 expenditure on Dairy Products can be estimated by using Table XV in Appendix B. The table is constructed on the basis of \$1 million increase in final sales. Column 18 must be multiplied by .08, because \$80,000 is eight hundredths, ( $\frac{8}{100}$ ) of \$1 million. Column 54 must be multiplied by .02 for the same reason.

LABOR COEFFICIENTS (TABLE XV), COLUMN 18

	<u>Industry</u>	<u>Coefficient</u>	<u>Multiple</u>	<u>Total</u>
8	Dairy and Poultry	21.88	.08	1.7504
18	Dairy Manufacturing	42.00	.08	3.3600
20	Other food...	1.39	.08	.1112
56	Gas Serv. Stations	1.51	.08	.1208
..	...	...	..	...
	TOTAL	<u>81.54</u>	<u>.08</u>	<u>6.5232</u>

LABOR COEFFICIENTS (TABLE XV), COLUMN 54

	<u>Industry</u>	<u>Coefficient</u>	<u>Multiple</u>	<u>Total</u>
24	Newspaper Pub...	.57	.02	.0114
39	Communication	.16	.02	.0032
41	Electric Service	.41	.02	.0082
54	Food Stores	29.00	.02	.5800
..	...	...	..	...
	TOTAL	<u>31.41</u>	<u>.02</u>	<u>.6282</u>

The total employment created by the increased expenditure on Dairy Products would be approximately 7.15 jobs (6.52 + .63). Employment by industry can be obtained by summing the two total columns above horizontally in the same way as the direct industrial sales were estimated.

The spending effects of households were omitted from the direct and indirect effects. With the households included with the first seventy-

one industries of the processing section, a larger sales impact can be expected. Wages and profits paid to the households will be spent on consumption, increasing sales of industries within the processing section even further.

## CLOSED (HOUSEHOLDS) (TABLE XVI), COLUMN 18

	<u>Industry</u>	<u>Coefficient</u>	<u>Multiple</u>	<u>Direct Sales</u>
1	Irrig. Cotton	.00233	\$80,000	186.40
5	Dryland Fd. Grn.	.03853	80,000	3,082.40
8	Dairy and Poultry	.34914	80,000	27,931.20
26	Petro. Regin & Prod.	.01913	80,000	1,530.40
..	...	...	...	...
	<b>TOTAL</b>	<u>2.10706</u>	<u>\$80,000</u>	<u>\$168,564.80</u>

## CLOSED (HOUSEHOLDS) (TABLE XVI), COLUMN 54

	<u>Industry</u>	<u>Coefficient</u>	<u>Multiple</u>	<u>Direct Sales</u>
7	Livestock	.00151	\$20,000	30.20
8	Dairy and Poultry	.00160	\$20,000	32.00
13	Crude Petro. Gas.	.00683	20,000	136.60
24	Newspaper Pub.	.00957	20,000	191.40
	<b>TOTAL</b>	<u>1.40985</u>	<u>\$20,000</u>	<u>\$ 28,197.00</u>

The total sales impact including the households is estimated to be \$196,711.80. When only the sales between the industries of the processing section were included, the total impact was \$158,499.60. The difference is due to household spending. Household wages and profits increased sales of the industries within the processing section causing them to expand their output even further. They in turn purchased more inputs including labor and lengthened the chain of spending. The tables used to produce the estimates show the end result of the chain of purchases and sales initially started by the \$100,000 increase in purchase of Dairy Products.

The hypothetical example used to demonstrate the input-output model, also demonstrated the number of computations necessary to develop a complete estimate of the economic impact of something like the Food Stamp Program. When the \$850,000 is separated into industrial purchases, there may be as many as seventy-one different expenditures to compute. Each one will require multiple computations by one column in each of the four

tables. Then the results of multiplying each column by each amount will have to be summed. It would be possible to do these computations by using a calculator, but the computer is a far more satisfactory method when an expenditure is separated into purchases from several industries. At the present time full access to these tables is available on the Pan American University computer. Even the most complex estimates can be made in minutes.

The hypothetical example also implied a second difficulty. That is the problem of separating the expenditures by industry. In the food stamps, for example, it would be necessary to know how the \$850,000 would be expended according to the industrial categories of the Lower Rio Grande Region model. The industrial grouping by Standard Industrial Classification is given in Appendix A, Table VII. These classifications will enable the user to group expenditures into the proper industry once the type of expenditure is known, but there remains the difficulty of determining how the households will allocate their purchases over the seventy-one industries of the processing section.

In the absence of other information or a special study, an estimate of the allocation of purchases can be made from Column 72 (Households) of the Transactions Table. If the control total (the sum of Column 72) is divided into each element of the column, an array of percentages give estimates of how all households in the Lower Rio Grande Region purchased goods and services in the past. If the \$850,000 worth of food stamps is considered like it was simply an addition to household income, then the percentages would do an adequate job of estimating the purchases from each industry.

Such a procedure is partly justified in the case of food stamps, because the use of food stamps would free money that would have been used for groceries for other household expenditures. However, the Food Stamp Program was developed, so that such an allocation (\$850,000) would encourage more spending on food items. If food stamps actually achieve such a change in family expenditures, it would alter the consumption expenditures away from an average consumption function such as Column 72 of the Transactions Table produces. In addition, lower family income units would likely have different consumption patterns anyway.

The following table was produced by the computer; the consumption function in Column 72 of the Transactions Table was used. For all of the reasons stated above, the example should be considered only a rough first estimate of the economic impact of the adoption of a Food Stamp Program.

The first column expenditures show how the households allocated the increased \$850,000 income between the industries of the processing section. It totals \$509,156. The remaining part of the \$850,000 was spent with the final payment sectors. Some of this amount would be taxes, but the major portion would have been imports of goods from other areas.

The second column shows the direct impact of the household expenditures on each industry. For example, Industry 3 sold \$3,281 worth of production

to the household. In order to increase production to \$3,281 it must purchase inputs from other industries. Column 2 estimates the total inputs that are produced by the industries of the processing section to directly support the increased sales to the household. For example, Industry 2, (Irrigated Grains) sold nothing to the household directly but they sold \$26 worth of inputs to other industries. The \$26 sales is made up of \$20.6 sales to Industry 3 and \$5.5 sales to Industry 20. Industry 3 and Industry 20 were the only industries that used inputs from Industry 2 (Irrigated Grains). The total direct impact on all the industries of the processing section was \$8,385, the sum of Column 2. This represents the total production of direct inputs needed to support the \$509,156 sales to the household.

The third column includes the direct and indirect impact on the seventy-one industries that make up the processing sector. Individual industry impact can be read by picking a particular industry, say Communications, Industry 39, and reading that element in Column 3. Thus, the Communications Industry would have expanded its sales by \$17,409. All industries would have increased their sales by \$596,946.

The fourth column shows the labor impact by industry. The total of this column (34.26) estimates the number of jobs created by the Food Stamp Program.

The last column includes the households in the processing section. The only difference between Column 3 and Column 5 is the interaction of the households receiving wages and profits and spending them with the industries of the processing section. The total impact, \$964,968, is larger than the impact of Column 3, because of the inclusion of the Households.

The above example has shown the amount and type of information that can be produced by an input-output model. The model can also be used to estimate the economic impact of the closing of various government and private projects. In the following example, no further attempt will be made to show the computations necessary to produce the estimates.

#### The Closing of an Air Base

In the early 1960's, Harlingen, Texas was notified that the Air Force would close the base at Harlingen. The questions that concerned both public officials and private businessmen were: "How much would the closing of the Air Base hurt the local economy? Which industries would be most affected?"

The input-output model can estimate the impact. For purposes of illustration, it will be assumed that the staff of the Air Base spent money in the same manner as other households in the area. It will be further assumed that the only impact of the Air Base was through the \$3 million payroll paid to military and civilian personnel on the base. Using these two assumptions, one may use consumption pattern of Column 72 of the Transactions Table to divide the \$3 million into industrial expenditures. The total estimate of the closing of the Air Base is shown on the following page.



TABLE VI. An Example of the Input-Output Estimates of the Economic Impact of the Food Stamp Program

INDUSTRIES	EXPEND.	DIRECT IMPACT	DIR + IND IMPACT	LABOR IMPACT	HH IMPACT	
	DOLLARS	DOLLARS	DOLLARS	MAN HOURS	DOLLARS	
IRRIG COTTON	1	0.	139.	242.	0.01	304.
IRRIG GRAINS	2	0.	26.	45.	0.00	56.
VEG,CIT,&OTH IRG	3	3281.	96.	3521.	0.63	4417.
DRYLAND COTTON	4	0.	12.	21.	0.00	27.
DRYLAND FEED GRN	5	0.	448.	971.	0.08	1218.
OTH DRYLAND CRPS	6	1507.	318.	2108.	0.23	2644.
LIVESTOCK	7	1792.	3985.	6121.	0.59	7678.
DAIRY & POULTRY	8	3054.	2767.	6467.	0.40	8112.
AGRI SUPPLY	9	0.	79.	121.	0.00	151.
GINNING	10	15.	11.	47.	0.00	60.
AGRI SERVICES	11	0.	345.	730.	0.00	915.
FISHERIES	12	1063.	183.	1584.	0.12	1987.
CRUDE PETR GAS	13	0.	13551.	17345.	C.17	21757.
RES CNSTR ALT-R	14	0.	0.	0.	C.CC	0.
COM, EDUC, & IN, CON	15	0.	0.	1.	0.00	2.
FAC & OTH CNSTR	16	0.	1311.	1754.	C.07	2200.
MEAT PRODUCTS	17	7889.	1517.	9247.	C.13	11599.
DAIRY MFG	18	7289.	1712.	8946.	C.37	11221.
CANNED & OTH FOS	19	430.	1502.	1939.	C.11	2432.
OTHER FOOD	20	4082.	2274.	7129.	C.14	8942.
BEVERAGES	21	6631.	158.	6813.	C.53	8547.
TEXTILE MILL PRC	22	198.	69.	293.	C.03	368.
WOOD FURN OTH	23	966.	334.	1462.	C.06	1834.
NEWSPR PUB & PRT	24	2261.	3467.	5998.	0.42	7524.
CHEM, DRUGS & REL	25	1419.	916.	2794.	C.09	3505.
PETRO REFIN & PRC	26	14701.	796.	15928.	C.04	19979.
CLAY, STONE, SHELL	27	1.	13.	24.	0.00	31.
CEMENT, CONCRETE	28	29.	43.	173.	C.CC	217.
PRIMARY METALS	29	923.	20.	955.	C.01	1198.
FAB STEEL & CTH	30	119.	53.	262.	C.C1	328.
MACH & PROC EQUI	31	20.	157.	336.	0.01	422.
ELECT, ELECTRONIC	32	18.	70.	111.	C.01	139.
TRANS EQUIP	33	152.	118.	356.	C.C2	447.
ALL OTHER MFG	34	414.	155.	602.	C.C3	755.
HWY MTR FGT HWH	35	3790.	1280.	5610.	C.90	7037.
WATER TRANSPORT	36	0.	46.	415.	C.C2	520.
AIR TRANSPORT	37	2781.	596.	3185.	C.21	3995.
OTHER TRANSPORT	38	8075.	955.	9325.	0.28	11697.
COMMUNICATIONS	39	10628.	6039.	17409.	C.87	21838.
GAS SERVICES	40	2777.	2780.	6613.	C.C1	8295.
ELECTRIC SERVICE	41	11420.	6011.	18182.	C.49	22807.
WATER, SAN SVCS	42	3172.	1363.	4377.	0.29	5490.
W/S AUTO SUPP	43	3913.	193.	4207.	0.12	5277.
W/S GROC & RELATED	44	6822.	597.	7452.	C.12	9348.
W/S FARM PRODS	45	3.	267.	566.	C.CC	748.
W/S LIVESTOCK	46	45.	58.	221.	0.04	278.
W/S MACH EQ, SUPP	47	6027.	814.	6947.	0.13	8714.
W/S PETR PRODS	48	3657.	230.	3998.	C.C4	5015.
GEN WHOLESAL	49	27908.	1265.	29405.	C.70	36885.
LUMBER YARDS	50	8310.	25.	8378.	0.24	10510.
FARM EQUIP DLRS	51	0.	29.	118.	0.00	149.
HDW HEAT & OTHER	52	1515.	107.	1665.	C.11	2089.
DEPT & VAR SR	53	28048.	0.	28048.	1.51	35182.
FOOD STORES	54	43480.	375.	43873.	1.27	55033.
AUTO DEALERS	55	40708.	542.	41531.	C.91	52095.
GAS SERV STAT	56	4420.	352.	4933.	1.82	6188.
APPAREL & ACCESS	57	7343.	7.	7351.	C.26	9221.
FURN, HOME FURN	58	3713.	11.	3724.	0.13	4671.
EATING & DRINK	59	16602.	77.	16733.	1.15	20990.
ALL OTH RETAIL	60	18030.	120.	18142.	C.81	22757.
BANKING & CREDIT	61	27469.	4091.	31526.	1.07	39546.
INS REAL EST FIN	62	5964.	4476.	11171.	C.05	14012.
LODGING SERVICES	63	2.	54.	107.	C.01	135.
PERSONAL SERVICE	64	15492.	474.	15969.	1.96	20031.
ADVERT & OTH SVC	65	4375.	2896.	7758.	0.51	9731.
MOT PICT & OTH	66	2363.	870.	3359.	0.32	4213.
AUTO RENT & PRK	67	245.	158.	463.	0.03	581.
MISC REPAIR	68	3054.	1577.	4900.	0.20	6147.
MEDICAL & DENTAL	69	30891.	1397.	30910.	2.87	38773.
EDUCATIONAL	70	72859.	38.	72893.	6.41	91434.
PROFESSIONAL SVC	71	17098.	3543.	21021.	3.72	26369.
HOUSEHOLDS	72	7875.	0.	0.	0.00	216213.
TOTALS		<u>509156.</u>	<u>80385.</u>	<u>596946.</u>	<u>34.26</u>	<u>964968.</u>



The first column indicates how the households reduced expenditures. The total reduction of expenditures for Sectors 1-72, was \$1,797,023. The remainder of the \$3 million reduced tax collections of governments and imports into the area.

The second column shows the reduction in the purchase of direct inputs needed to support the expenditures in Column 1. Column 3 shows the amount of impact of the original expenditure, the direct effects, and the chain of spending that developed from the purchase of inputs. The \$2,106,862 is still less than the \$3 million reduction in payroll. This is caused by the large volume of spending that leaves the region to pay for imports. It must be remembered, however, that the household is treated the same as an import in Column 3. That is, payments made to households are not being respent for consumption.

Column 4 shows the employment impact of the closing of the Air Base. There was an estimated loss of 121 jobs in addition to jobs lost at the Air Base.

The households are included as part of the processing section in Column 5. Household income fell by \$763,107. This is the largest individual reduction in Column 5, which reduced the total impact of the closing of the Air Base to \$3,405,765.

The comparison of the totals of Column 3 and Column 5 indicates the importance of the households as an economic unit in the Lower Rio Grande Region. The household is the most important industry in terms of expenditures (\$763,107), and the reduction of this income further reduced sales of the processing section by \$535,896.

The evaluation of the accuracy of these estimates is left to the individual observer, but several comments are appropriate. First, the \$3 million payroll was not the total impact of the Air Base upon Harlingen, Texas. Purchases of petroleum and other commodities in the area to support the Air Base were excluded from the example. Second, the size of the total impact, including the households, was relatively small. The accuracy of the estimate might have been questioned at the time of the closing; however, eight years after the closing, it seems realistic. Harlingen's population declined (7,704) during the decade of the 1960's, but other economic indicators fell and then increased to more than their levels prior to the closing of the base. Harlingen has added over 170,0000 square feet of retail floor space. Additional apartments and housing units have been constructed. In short, the Harlingen economy has made a rapid recovery, which indicates that the closing of the air base might have had less economic impact on the area than was generally believed at the time of the closing. The relatively small reduction in sales and employment estimated by the input-output model seems more realistic in retrospect.

The above examples were intended to show how the input-output model can be used by private and public groups in the Rio Grande Region. The use of the input-output model can provide a significant advance in estimating the economic impact of planned expenditures and the selection of strategies to promote growth within the region.

TABLE VII. An Example of the Input-Output Estimates of the Economic Impact of the Closing of the Harlingen Air Base

INDUSTRIES	EXPEND.	DIRECT IMPACT	DIR + IND IMPACT	LABOR IMPACT	HH IMPACT
	DOLLARS	DOLLARS	DOLLARS	MAN HOURS	DOLLARS
IRRIG COTTON	1 0.	-491.	-856.	-0.03	-1074.
IRRIG GRAINS	2 0.	-92.	-159.	-0.01	-200.
VEG, CIT, & OTH IRG	3 -11582.	-339.	-12428.	-2.24	-15590.
DRYLAND COTTON	4 0.	-43.	-76.	-0.00	-95.
DRYLAND FEED GRN	5 0.	-1582.	-3429.	-0.28	-4301.
OTH DRYLAND CRPS	6 -5320.	-1124.	-7441.	-0.64	-9334.
LIVESTOCK	7 -6327.	-14065.	-21604.	-2.09	-27100.
DAIRY & POULTRY	8 -10781.	-9768.	-22825.	-1.43	-28631.
AGRI SUPPLY	9 0.	-280.	-427.	-0.02	-535.
GINNING	10 -55.	-42.	-168.	-0.00	-211.
AGRI SERVICES	11 0.	-1220.	-2576.	-0.00	-3232.
FISHERIES	12 -3752.	-646.	-5592.	-0.43	-7015.
CRUDE PETR GAS	13 0.	-47828.	-61218.	-0.61	-76790.
RES CONSTR ALT-R	14 0.	0.	0.	0.00	0.
COM, EDUC, & IN, CON	15 0.	-2.	-6.	-0.00	-8.
FAC & OTH CONSTR	16 0.	-4627.	-6191.	-0.27	-7766.
MEAT PRODUCTS	17 -27844.	-5357.	-32638.	-0.48	-40940.
DAIRY MFG	18 -25727.	-6043.	-31574.	-1.32	-39600.
CANNED & OTH FDS	19 -1519.	-5301.	-6845.	-0.41	-8586.
OTHER FOOD	20 -14409.	-8026.	-25162.	-0.52	-31562.
BEVERAGES	21 -23405.	-555.	-24048.	-1.69	-30166.
TEXTILE MILL PRO	22 -700.	-2455.	-1035.	-0.12	-1299.
WOOD FURN OTH	23 -3412.	-1181.	-5161.	-0.23	-6474.
NEWSPR PUB & PRT	24 -7980.	-12238.	-21171.	-1.50	-26556.
CHEM, DRUGS & REL	25 -5010.	-3233.	-9864.	-0.33	-12373.
PETRO REFIN & PRO	26 -51889.	-2812.	-56216.	-0.16	-70516.
CLAY, STONE, SHELL	27 -4.	-46.	-87.	-0.01	-110.
CEMENT, CONCRETE	28 -102.	-154.	-612.	-0.02	-768.
PRIMARY METALS	29 -3259.	-70.	-3373.	-0.05	-4231.
FAB STEEL & OTH	30 -423.	-187.	-925.	-0.04	-1160.
MACH & PROC EQUI	31 -73.	-556.	-1188.	-0.04	-1490.
ELECT, ELECTRONIC	32 -65.	-247.	-393.	-0.04	-493.
TRANS EQUIP	33 -538.	-418.	-1257.	-0.08	-1577.
ALL OTHER MFG	34 -1463.	-547.	-2124.	-0.12	-2665.
HWY MTR FGT HWH	35 -13379.	-4520.	-19800.	-3.13	-24836.
WATER TRANSPORT	36 0.	-163.	-1465.	-0.07	-1837.
AIR TRANSPORT	37 -9816.	-2105.	-11242.	-0.74	-14102.
OTHER TRANSPORT	38 -28500.	-3373.	-32911.	-1.02	-41283.
COMMUNICATIONS	39 -37511.	-21316.	-61446.	-3.07	-77076.
GAS SERVICES	40 -9804.	-9813.	-23341.	-0.07	-29279.
ELECTRIC SERVICE	41 -40307.	-21216.	-64173.	-1.73	-80497.
WATER, SAN SVCS	42 -11197.	-4813.	-15448.	-1.05	-19378.
W/S AUTO SUPP	43 -13810.	-682.	-14848.	-0.44	-18625.
W/S GRO&RELATED	44 -24079.	-2107.	-26302.	-0.65	-32993.
W/S FARM PRODS	45 -12.	-942.	-2106.	-0.00	-2642.
W/S LIVESTOCK	46 -160.	-206.	-783.	-0.15	-982.
W/S MACH EQ, SUPP	47 -21272.	-2875.	-24519.	-0.46	-30756.
W/S PETR PRODS	48 -12907.	-812.	-14111.	-0.15	-17700.
GEN WHOLESAL	49 -98498.	-4466.	-103783.	-2.49	-130183.
LUMBER YARDS	50 -29329.	-91.	-29572.	-0.85	-37094.
FARM EQUIP OLR	51 0.	-103.	-419.	-0.01	-526.
HDW HEAT & OTHER	52 -5347.	-378.	-5879.	-0.39	-7374.
DEPT & VAR SR	53 -98993.	-0.	-98993.	-5.34	-124174.
FOOD STORES	54 -153459.	-1326.	-154846.	-4.49	-194234.
AUTO DEALERS	55 -143676.	-1915.	-146560.	-3.22	-183865.
GAS SERV STAT	56 -15602.	-1242.	-17412.	-0.44	-21841.
APPAREL & ACCESS	57 -25919.	-25.	-25945.	-0.93	-32544.
FURN, HOME FURN	58 -13105.	-40.	-13145.	-0.47	-16489.
EATING & DRINK	59 -58596.	-271.	-59059.	-1.07	-74082.
ALL OTH RETAIL	60 -63637.	-4425.	-64032.	-2.88	-80320.
BANKING & CREDIT	61 -96950.	-14441.	-111270.	-3.78	-139574.
INS REAL EST FIN	62 -21050.	-15800.	-39428.	-0.19	-49457.
LODGING SERVICES	63 -9.	-192.	-380.	-0.05	-476.
PERSONAL SERVICE	64 -54681.	-1676.	-56363.	-6.93	-70700.
ADVERT & OTH SVC	65 -15441.	-10224.	-27381.	-1.83	-34346.
MOT PICT & OTH	66 -8342.	-3071.	-11856.	-1.13	-14872.
AUTO RENT & PRK	67 -865.	-557.	-1637.	-0.11	-2053.
MISC REPAIR	68 -10781.	-5568.	-17295.	-0.72	-21695.
MEDICAL & DENTAL	69 -109029.	-4931.	-109097.	-10.14	-136848.
EDUCATION	70 -257152.	-135.	-257270.	-22.63	-322711.
PROFESSIONAL SVC	71 -60347.	-12504.	-74194.	-13.13	-93067.
HOUSEHOLDS	72 -27796.	0.	0.	0.00	-763107.
TOTALS	-1797023.	-283714.	-2106862.	-120.92	-3405765.

## CHAPTER IV

## SUMMARY AND CONCLUSIONS

The economy of the Lower Rio Grande Region is relatively young in relation to other regional economies within the United States. Even after the war with Mexico, the region remained mostly underdeveloped with small subsistence settlements and an export economy based upon ranching.

Transportation costs have limited the exports of the region to high-value products that can remain competitive in other regional markets and return sufficient revenue to pay for the cost of transportation. The main exports of the region are winter fruits and vegetables, petroleum and sea foods. Two other export sectors have grown rapidly in recent years. Trade with Mexico has always taken place, but the economic development that has occurred within Mexico in recent years has increased this trade. A relatively large tourist trade has also developed. Both of these sectors have spurred the growth of the wholesale, retail and service industries.

Historically, agriculture has preceded the development of other base industries. In the Lower Rio Grande Region, rich soil and a mild climate allows an almost continuous growing season suitable for most crops. A basic competitive advantage in the United States market has been found for the region's winter fruits and vegetables. The Texas citrus industry exists almost exclusively in the Lower Rio Grande Region. Summer and fall crops include cotton and grains.

From the time of settlement the sparse yearly rainfall had to be supplemented with irrigation water. Irrigation water is now available in the Corpus Christi area and along the Rio Grande River. Falcon Dam, completed in 1953, assured the agriculture industry along the lower section of the Rio Grande River an adequate water supply except in the most severe droughts. The central portion of the Rio Grande Region lacks adequate water for irrigation and remains ranch land.

The labor-intensive nature of the production of winter fruits and vegetables formed the basic pattern of settlement in the Lower Rio Grande Region and a peculiar export of migrant workers during the late spring and early summer. Winter crop production in the region required large amounts of labor. The industry supported a relatively large

population that lived in many smaller towns spread twenty miles or so apart. After the winter harvest, less labor intensive crops were grown and the labor force moved northward, following the harvest into cooler climates. In the absence of local labor a large supply of supplemental labor moved across the border from Mexico. In the fall the migrant worker moved back to the Valley and opened his house until economic necessity forced another trek northward.

In 1965 a fundamental change occurred when the Bracero Program was terminated and border crossings were restricted. Where agriculture provided the necessary source of employment, higher wages and a less assured labor force encouraged more capital intensive production methods. Where the substitution of capital for labor was not possible with previous crops, different crops were grown. Citrus production is a major exception; it remains labor intensive. The high investment in orchards does not allow rapid shifts in production.

The end results of the termination of the Bracero Program are only now being realized. Mexico is exporting more labor intensive crops to the United States. Farms in the lower Rio Grande Region have maintained the value of farm production by substituting capital for labor. The migrant workers have decreased in number, and a large share of migrant workers have moved to northern areas of the United States to take up permanent jobs and residences. The houses that were opened each year remain boarded and abandoned.

The agriculture industry, however, remains important to the Lower Rio Grande Region. This industry also remains an important employer of the labor force as shown in Table XV. This is particularly true in the case of vegetables and citrus production (Industry 3). In addition, significant numbers of industries have developed to service agriculture. They produce agricultural chemicals and process farm outputs. The interaction between these industries is shown by the larger totals in Columns 1 through 8 in Table XIV and Table XVI, Appendix B.

The export of sea food is primarily limited to shrimp. The Gulf of Mexico is a major producing area of shrimp in the United States. Shrimp spawn in the Gulf, and the eggs are carried in the bays along the shore. The fresh water feeding into the Gulf also provides the young shrimp with an abundant food supply. The long coast line of the Gulf provides possibly the largest natural breeding ground for shrimp in the world.

Shrimp production is primarily a capital intensive industry requiring large investments in boats and equipment. The processing of shrimp has remained labor intensive using large amounts of hand labor to prepare the shrimp for market.

Other sea foods are available in the Gulf of Mexico, but these sea foods are caught primarily for local consumption. Apparently, transportation costs are sufficiently large so that other fishing areas closer to the markets are more competitive.

Crude oil and natural gas production provides the highest valued export of the Lower Rio Grande Region. The production of crude oil and natural gas in the region is about a \$1 billion-a-year business, which makes it the major revenue producer. The major portion of this production goes out of the region without processing.

Corpus Christi and the surrounding area is the major center for processing of petroleum production. Natural gas processing plants, refineries and petro-chemical plants turn out a variety of finished petroleum products and chemicals. Many of these products are consumed in the regional economy, while the remainder are exported to areas of heavier demand.

While the petroleum production and processing industries are major revenue producers, they are far less important in terms of employment. Table XV confirms the fact that the characteristically capital intensive nature of the petroleum industry makes it a low level employer, even though it produces high values of output.

Wholesale, retail and service industries have been the most rapidly growing industries in the Lower Rio Grande Region in recent years. Besides servicing the population of the area, these industries also service tourists and Mexican citizens.

Tourism takes several forms. Summer tourists spend part of the annual two or three week vacation in the region. The principal attractions are the border cities and the beaches along the Gulf of Mexico.

Another group of tourists move through the area, using it as a port of entry into Mexico. These tourists spend about the same length of time within the area as the summer tourists; they stop before entering Mexico to arrange for insurance and acquire information and stop as they are leaving Mexico.

The winter tourist is more significant to the regional economy. The primary attraction is the mild climate. Some estimates show that the average winter tourist stays about three months and spends over \$350 monthly. These tourists typically rent a house or an apartment, and they prepare most of their own meals rather than purchasing prepared meals at a restaurant.

The three groups of tourists tend to balance the economy; however, the significance of the winter tourist is still much more important.

Trade between Mexico and the Lower Rio Grande Region takes place in a variety of ways. Indeed, it is difficult to separate the interaction of the two areas. Mexico is provided with U.S. currency by its sales of exports to the United States in traditional goods as well as sales to tourists and wages earned by Mexican green-card workers. In recent years, the Border Industrialization Program has encouraged U.S. manufacturers to establish plants across the border. These plants use Mexican labor and their wages provide dollar income to Mexico. The foreign exchange



earned by Mexico returns to the United States through a variety of ports of entry. In the Lower Rio Grande Region goods are shipped to wholesalers and into Mexico. In addition, considerable trade is conducted between Mexican shoppers and retailers in cities along the border.

The economic impact of sales to tourists and Mexican citizens are not separated within the input-output tables. Both remain hidden in the commercial and service industries (43-71). However, their buying is reflected in the totals of each of the Columns 43 to 71 in the Transactions Table. This is true even though Columns 43 to 60 were adjusted by trade margins. The adjusted totals (Columns 43 to 60) are larger because of trade with Mexican citizens and tourists.

The wholesale and retail industries are the primary source of imports to the Lower Rio Grande Region. These industries order stocks of goods needed to supply the local area. Imports of goods for resale total more than \$361 million. These goods include almost all the consumer durables and most food items.

The large volume of imports to the region needed to service household consumption provides a quick release for dollars earned from exports. This produces a relatively low multiplier for tourist and Mexican shopping dollars when compared to dollars earned from agricultural production. For examples, see the column totals for Industries 43 to 60 in Tables XIV and XVI.

Most of the manufacturing in the region is associated with the importation and processing of inputs for the base industries. Chemical fertilizers and herbicides would be an example of this type of manufacturing. In addition, some processing of the base industries' output is done before the product is exported. For example, the spoilable nature of shrimp requires that it be processed and frozen before shipping. A further example of processing is the grading and packing of fresh fruits and vegetables before shipment. Both the processing of inputs and outputs create secondary sales and employment so that a dollar increase in final demand for a base industry creates further sales within the region.

The interaction between base industries and the processing of inputs and outputs of a base industry creates the greatest impact in the region's economy. This is true of agriculture and fishing industries. The totals at the bottom of each column in Table XIII (Appendix B) indicates that these industries purchase a larger portion of their inputs within the region. These totals exclude the purchase of labor.

The development of base industries and secondary manufacturing supports a larger population, and a significant amount of manufacturing has developed to produce goods and services for this population. Examples of this type of manufacturing are bread, milk, and meat production. The interaction of this type of manufacturing with the base industries is estimated by the input-output model when households are included in the processing section Table XVI. This is why the totals at the bottom of each column in Table XVI are larger than the corresponding totals in Table XIV.



In recent years other manufacturing has been drawn to the region. This has been mainly clothing and electronic manufacturing. For the most part, these plants are not totally integrated into the regional economy. Semi-finished inputs are shipped into the area and the final products are exported to other areas. A dollar increase in final demand for these firms will create little additional secondary sales and employment except through the Household Sector. These new manufacturers may grow to sufficient size later on, so that greater processing of inputs will take place in the regional economy. If this occurs, they will become a more significant part of the economic base of the region.

The base industries of an economy provide the primary support for the population. The quality of life in an area depends upon the adequacy of the economic base relative to population. Other things being equal, a larger population produces a lower quality of life.

In the past, the Lower Rio Grande Region has supported a relative low income population. The low income population has been tied to agricultural production. While this remains true, the last decade has brought about considerable structural changes in this industry. Employment in agriculture has declined as more mechanization was adopted. Some jobs were provided by increased employment in the commercial industries. Since population remained relatively stable from 1960 to 1970 the area lost the natural increase in population. There is considerable evidence that the population loss was mainly families supported by low income jobs in agriculture. Smaller retail areas that serviced this low income population are dying out. The same type of shopping areas in larger communities are declining while other shopping areas in the same cities are growing rapidly. Thus, there appears to have been a substantial qualitative improvement in the population during the decade.

The Lower Rio Grande Region continues to be the home of a large number of low income families. The low income problem is centered among the Mexican-American majority of the area. Poverty associated with this group of workers has been severe and promises to get worse as more mechanized methods of planting and harvesting crops are adopted, unless changes in the educational and occupational patterns are achieved.

The economy of the region has developed rapidly and has adapted itself to market, political and technological changes. The structural changes needed for efficient production have not always been in accord with the welfare of large numbers of people in the area. The movement of labor out of the area is particularly restricted because of the close cultural bonds of the Mexican-American to the region. If the natural market forces produce unacceptable social costs, then at least three alternatives are available. First, some form of planned development must be substituted to change the natural development of the area. Second, the natural development can be influenced in other directions. Third, manpower development can be used to reduce the social cost by producing changes within human resources that are consistent with the natural development of the economy.

The input-output tables in this report provide a necessary tool for any of the three alternatives above. If new industries are encouraged to establish in the Lower Rio Grande Region, they must be consistent with the resource limits of the area. In addition, the secondary effects of new industries must be estimated so that successful manpower training can be consistent with the new job opportunities.

If the natural development is to be influenced in new directions, then the resource limits of the area will dictate to what extent this can be accomplished. If, for example, the further extension of agricultural processing is encouraged, what types of bottlenecks will this create in construction, transportation, etc.? The secondary effects must also be estimated for manpower development.

Finally, the natural development of the area can provide significant opportunities for reducing social costs. For example, if tourism continues to develop in the region, what job opportunities will become available? As tourism develops, what other industries will increase sales and employment? Manpower training that is consistent with future job opportunities can reduce the human costs associated with the past structural changes in the economy.

It must be recognized that the input-output tables are not a panacea for all problems arising from economic changes. The tables produce needed information for the planning process, but it must be used with reference to other information on the area. Simply the knowledge that new jobs will be available in one industry does not mean that the unemployed human resources in the area can be trained to fill those jobs. Considerable knowledge must be available on skills needed for an industrial occupation and how much change can be introduced by the training process. Even with the above constraints on the use of the input-output model, it remains a significant addition to the planning resources of the area.

## BIBLIOGRAPHY

## A. BOOKS

- Cameron, Burgess. Input-Output Analysis and Resource Allocation. Cambridge: University Printing House, 1968. 109 pp.
- Chenery, Hollis B., and Paul G. Clark. Interindustry Economics. New York: John Wiley and Sons, Inc., 1959. 337 pp.
- Chiou-Shuang Yan. Introduction to Input-Output Economics, Principles of Economics Series. New York: Holt, Rinehart and Winston, Inc., 1969. 130 pp.
- Conference on Research in Income and Wealth. Input-Output Analysis: An Appraisal. National Bureau of Economic Research, Vol. XVIII. Princeton: Princeton University Press, 1955. 371 pp.
- Conference on Research in Income and Wealth, proceedings of Structural Interdependence and Economic Development. (Geneva, September 1961) Edited by Tibor Barna, et al. London: MacMillan and Co., Ltd., 1963. 365 pp.
- Executive Office of the President, Bureau of the Budget, et al., Office of Statistical Standards. Standard Industrial Classification Manual: 1967. Washington: U.S. Government Printing Office, 1967.
- Leontief, Wassily, et al. Studies in the Structure of the American Economy. New York: Oxford University Press, 1953. 561 pp.
- Miernyk, William H. The Elements of Input-Output Analysis. New York: Random House, 1965. 156 pp.

## B. BOOKS: PARTS OF SERIES

- Bennett, E. D. (ed.). Petroleum Accounting Lecture Series, Vol. III of Studies in Accounting. Austin: Bureau of Business Research, University of Texas, 1969.
- Carden, John and T. B. Whittington, Jr. Studies in the Economic Structure of the State of Mississippi. Mississippi: Mississippi Industrial and Technological Research Commission, 1964.

Jaffe, Sidney. "Final Demand Sectors," technical supplement to Input-Output Analysis: An Appraisal, Vol. XVIII. Princeton: Princeton University Press, 1955.

McMichael, Robert N., Ronald B. Geenens, and Joe C. Murrell, Jr. A Demographic Study of West Texas, Vol. I, 9 Vols. Edinburg, Texas: Pan American College, Division of Business and Economic Research, August 1968.

C. PUBLICATIONS OF THE GOVERNMENT, LEARNED SOCIETIES,  
AND OTHER ORGANIZATIONS

Ashby, Lowell D. "Growth Patterns in Employment by County: 1949-1950 and 1950-1960," Survey of Current Business, Vol. VI, Southwest, U.S. Department of Commerce, Office of Business Economics. Washington: U.S. Government Printing Office. 1965.

Bradshaw, Benjamin S. and Dudley L. Poston. "Texas Population in 1970, 1. Trends, 1950-1970," Texas Business Review, Vol. XLV, No. 5. Austin: Bureau of Business Research, University of Texas, May 1971.

Browning, Harley L. and S. Dale McLemore. A Statistical Profile of the Spanish-Surname Population of Texas. Austin: Bureau of Business Research, The University of Texas, 1964.

Calvert, Robert S. Annual Report of the Comptroller of Public Accounts, Part IA, Receipts and Disbursements of State Funds, and Part II, Tax Collectors' Accounts, Assessed Valuations, Tax Rates, and Miscellaneous. Austin: State of Texas (Capitol Station), 1968.

Carter, Anne P. "The Economics of Technological Change" (reprinted from) The Scientific American. San Francisco: W. H. Freeman and Company, April 1966.

Emerson, M. Jarvin with Leonard D. Atencio, Philip D. Brooks, J. David Reid. The Interindustry Structure of the Kansas Economy, Report No. 21. Kansas: Office of Economic Analysis and Planning Division, Kansas Department of Economic Development, January 1969.

Goldman, Morris R., Martin L. Marimont, and Beatrice N. Vaccara. "The Interindustry Structure of the United States," Survey of Current Business. Office of Business Economics, Department of Commerce, Vol. XLIV. Washington: U.S. Government Printing Office, November 1964.

Grubb, Herbert W. "Framework of the Texas Interindustry Study," Progress Report, Tex P-232, Structural Analysis of the Texas Economy. Austin: Division of Planning Coordination, Office of the Governor, October 10, 1969.

- Leontief, Wassily. "The Structure of Development," (reprinted from) Scientific American. San Francisco: W. H. Freeman and Company, 1963.
- Luidbery, Carolyn. A Technical Supplement of the Input-Output Study for New Mexico. Albuquerque: Bureau of Business Research, University of New Mexico, 1966.
- McMichael, Robert N., Ronald B. Geenens, and Joe C. Murrell, Jr. School Survival Rates in Texas. Edinburg, Texas: Division of Business and Economic Research, School of Business Administration, Pan American University, January 1971.
- McMichael, Robert N., Ronald B. Geenens, Joe C. Murrell, Jr. Texas College Eligible Population 1968-1980. Edinburg, Texas: Division of Business and Economic Research, School of Business Administration, Pan American University, 1968.
- North, David S. The Border Crossers: People Who Live in Mexico and Work in the United States. Study prepared for Manpower Administration, United States Department of Labor, Research Contract 81-09-69-08, Title I. Washington: Trans-Century Corporation, April 1970.
- Office of Business Economics. Input-Output Structure of the U.S. Economy: 1963, Vol. 1, Transactions Data for Detailed Industries. Washington: U.S. Government Printing Office, 1969.
- Texas Almanac and State Industrial Guide: 1970-1971. Derived from U. S. Bureau of the Census, U. S. Department of Commerce. Dallas: A. H. Belo Corporation, 1971.
- U.S. Bureau of the Census, Census of Construction Industries, 1967. Area Statistics, Texas, CC67-A-45. Washington: U.S. Government Printing Office, 1970.
- U.S. Bureau of the Census, Census of Business, 1967. Retail Trade: Texas, BC67-RA45. Washington: U.S. Government Printing Office, 1969.
- U.S. Bureau of the Census, Census of Business, 1967. Selected Services: Texas, BC67-SA45. Washington: U.S. Government Printing Office, 1970.
- U.S. Bureau of the Census, Census of Business, 1967. Wholesale Trade: Texas, BC67-WA45. Washington: U.S. Government Printing Office, 1969.
- U.S. Bureau of the Census, Census of Government, 1967, Vol. VII: State Reports, No. 43: Texas. Washington: U.S. Government Printing Office, 1969.

- U.S. Bureau of the Census. Census of Manufacturers, 1967. Area Series: Texas, MIC67 (2)-42. Washington: U.S. Government Printing Office, 1971.
- U.S. Bureau of the Census. Current Population Reports, Population Estimates and Projections, Series P25, No. 461. Washington: U.S. Government Printing Office, 1971 June 28.
- U.S. Bureau of the Census. General, Social and Economic Characteristics: Texas, 1960. Washington: U.S. Government Printing Office, 1960.
- U.S. Bureau of the Census. Net Migration of the Population 1950-1960 by Age, Sex, and Color, Vol. I--States, Counties, Economic Areas, and Metropolitan Areas, Part 5--West South Central States... Washington: U.S. Government Printing Office, May 1965. (This publication was prepared by the Economic Research Service, U.S. Department of Agriculture in cooperation with Research Foundation, Oklahoma State University and Area Redevelopment Administration, U.S. Department of Commerce.)

#### D. UNPUBLISHED MATERIAL

- Bradley, James R. "Interview Results of Texas Fishery Sector SIC 0900." College Station: Industrial Economics Research Division, Texas Engineering Experiment Station, Texas A & M University, 1951.
- Bureau of Economic Research. "The Construction Projects." El Paso: The University of Texas, 1971.
- Foote, Richard J. Farm Sectors Final Report, Including Modifications in Previous Reports. Lubbock: Agriculture Economics Department, Texas Tech University, June 1971.
- Fuerst, J. M., et al. "Input/Output as a Planning Tool at Celanese." American Chemical Society, Division of Chemical Marketing and Economics, 1968.
- George, Edward Y. "The Construction Project." El Paso: Bureau of Business and Economic Research, University of Texas at El Paso, March 1971.
- Geenens, Ronald B. "Economic Adjustments to the Termination of the Bracero Program." Unpublished Doctoral dissertation, The University of Arkansas, Fayetteville, 1967.
- Irving, Robert H. Jr., and Verdin R. Draper. "Accounting Practices in the Petroleum Industry." New York: The Ronald Press Company, 1958. (Mimeographed.)



- Moorman, David and Herbert W. Grubb. "An Input-Output Analysis of Selected Communications Sectors in Texas." Austin: Office of the Governor, Division of Planning Coordination, April 1, 1971.
- Mullendore, Walter E. and Arthur L. Ekholm. "Electric and Gas Utilities: Procedures and Analysis of Inputs by Region." Arlington, Texas: University of Texas, March 30, 1971.
- Office of Business Economics. "Personal Income by Major Sources and Earnings by Broad Industrial Sectors." Washington: U.S. Department of Commerce, 1971
- Vinson, James R. Special Mining Industry Project. Bureau of Economic and Business Research, Abilene, Texas: Hardins-Simmons University, August 1, 1971.
- Vinson, James R. "Technical Notes and Study Status Report for the Texas Input-Output Mining Industry." Bureau of Economic and Business Research, Hardins-Simmons University, Abilene, Texas: 1970.

Appendix A - Summary of Estimated Values of Resources  
and Values of Resources

Resource Category	Estimated Value	Value of Resources
1. Land	110	1
2. Water	120	2
3. Forest	130	3
4. Wildlife	140	4
5. Minerals	150	5
6. Cultural Resources	160	6
7. Historical Resources	170	7
8. Scientific Resources	180	8
9. Educational Resources	190	9
10. Recreational Resources	200	10
11. Aesthetic Resources	210	11
12. Other Resources	220	12
13. Total	230	13
14. Land	240	14
15. Water	250	15
16. Forest	260	16
17. Wildlife	270	17
18. Minerals	280	18
19. Cultural Resources	290	19
20. Historical Resources	300	20
21. Scientific Resources	310	21
22. Educational Resources	320	22
23. Recreational Resources	330	23
24. Aesthetic Resources	340	24
25. Other Resources	350	25
26. Total	360	26

APPENDIX A

APPENDIX A. TABLE VIII. Input-Output Model Industries by Standard Industrial Classification

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
<u>AGRICULTURE</u>		
1	Irrigated Cotton	0112
2	Irrigated Grains	0313
3	Vegetables, Citrus and Other Irrigated Crop Products	0122, 0123
4	Dryland Cotton	0212
5	Dryland Feed Grains	0413
6	Other Dryland Crop Production	0219, 0141, 0119
7	Range and Feed Lot Livestock Production	0235 0315, 0316
8	Dairy, Poultry and Eggs	0132 0133, 0134
9	Agricultural Supply, except Farm Machinery	5962, 5969
10	Ginning	0712
11	Agricultural Services	0713, 0714, 0715, 0719, 0722, 0723, 0729, 0731 0741
12	Fisheries	0912, 0913, 0914, 0919 0989
<hr/>		
<u>MINING</u>		
13	Crude Petroleum, Natural Gas, and Services	0311 1321 1381, 1382, 1389
<hr/>		
<u>CONSTRUCTION</u>		
14	Residential Construction, Alteration and Repair	1511
15	Commercial, Educational and Institutional Construction	1511
16	Facility and Other Construction	1511 1611, 1621 1700

TABLE VIII (continued)

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
24	Newspapers, Publishing and Printing	2651, 2652, 2653, 2654, 2655 2711 2721, 2731, 2741 2732, 2751, 2752, 2753 2761 2711, 2782, 2789, 2791, 2793, 2794, 2799
25	Chemicals, Drugs and Related Products	28121, 28122, 28123, 28124, 28132, 28133, 28134 28182, 28183, 28185 28191, 28192, 28193, 28194, 28195, 28196, 28197, 28198, 28199 2879, 2871, 2872, 2879 2851 2871, 2891, 2892, 2893, 2895, 2899
26	Petroleum, Refining and Products	2911 2951, 2952, 2992, 2999
27	Clay, Cut Stone and Shell Products	3221, 3229, 3231 3251, 3253, 3255, 3259 3261, 3262, 3269  3281, 3291, 3292, 3295, 3296, 3297, 3299, 3274, 3275, 3201, 3293
28	Cement and Concrete Products	3271, 3272, 3273, 3241
29	Primary Metals, Foundries and Forgings	3321, 3322, 3323 3331, 3332, 3333, 3339, 3341 3334 3362, 3369, 3391, 3392, 3399

TABLE VIII (continued)

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
<u>MANUFACTURING</u>		
17	Meat Products	2011, 2013
18	Dairy Manufacturing	2021, 2022, 2023, 2024 2026
19	Canned, Preserved, Pickled, Dried and Frozen Foods	2035, 2036, 2037, 2038, 2041, 2043, 2044, 2045, 2046 2042
20	Other Food and Kindred Products	2051, 2052 2061, 2062, 2063, 2071 2072, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2121
21	Beverages	2082, 2084, 2086, 2087
22	Textile Mill Products, Furnishings, and Apparel	2211, 2221, 2231, 2241, 2251, 2253, 2256, 2259, 2261, 2262, 2269, 2271, 2272, 2279, 2281, 2284, 2291, 2293, 2294, 2295, 2297, 2298, 2299
		2311, 2321, 2322, 2323, 2327, 2328, 2329, 2331, 2335, 2336, 2337, 2339, 2341, 2342, 2351, 2352, 2361, 2363, 2369 2371, 2381, 2394, 2395, 2396, 2397, 2399 2291, 2293, 2294, 2295 2297, 2298, 2299
23	Wood Furniture and Other Wood and Paper Products	2431, 2432, 2433, 2441, 2442, 2443, 2445, 2491, 2499 2511, 2512, 2515, 2519, 2521, 2541, 2591, 2599  2641, 2642, 2643, 2645, 2646, 2647, 2649

TABLE VIII (continued)

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
		2651, 2652, 2653, 2654 2655
24	Newspapers, Publishing and Printing	2711 2721, 2731, 2741 2732, 2751, 2752, 2753 2761
25	Chemicals, Drugs and Related Products	2711, 2782, 2789, 2791, 2793, 2794, 2799 28121, 28122, 28123, 28124, 28132, 28133, 28134 28182, 28183, 28185 28191, 28192, 28193, 28194, 28195, 28196, 28197, 28198, 28199 2879, 2871, 2872, 2879 2851 2871, 2891, 2892, 2893, 2895, 2899
26	Petroleum, Refining and Products	2911
27	Clay, Cut Stone and Shell Products	2951, 2952, 2992, 2999 3221, 3229, 3231 3251, 3253, 3255, 3259 3261, 3262, 3269
28	Cement and Concrete Products	3281, 3291, 3292, 3295, 3296, 3297, 3299, 3274, 3275, 3201, 3293
29	Primary Metals, Foundries and Forgings	3271, 3272, 3273, 3241 3321, 3322, 3323 3331, 3332, 3333, 3339, 3341 3334 3362, 3369, 3391, 3392, 3399
30	Fabricated Steel and Other Metal Products	3441 3443 3444, 3446, 3449
		3471, 3479 3494, 3498 3481, 3491, 3492, 3493, 3499



TABLE VIII (continued)

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
31	Machinery and Processing Equipment	3522, 3531, 35337, 3532 3533 3511, 3519 3551, 3552, 3553, 3559 3554, 3555 3561, 3562, 3564, 3565 3566, 3567, 3569 3581, 3582, 3586, 3589, 3599
32	Electrical and Electronic Equipment	3611, 3612, 3613, 3621, 3622, 3623, 3624, 3641, 3642, 3643, 3644, 3629  3651, 3661, 3662, 3671, 3672, 3673, 3674, 3679, 3691, 3693, 3694, 3652, 3699
33	Transportation Equipment	3713, 3715, 3714, 3711 3731, 3632 3741, 3742, 3791, 3751, 3799
34	Other Manufacturing	3011 3079 3111, 3121, 3131, 3141, 3142, 3151, 3161, 3171, 3172, 3199 3841, 3842, 3843  3851, 3861, 3871, 3831, 3941, 3942, 3949 3911, 3913, 3914, 3931, 3951, 3952, 3953, 3955, 3961, 3962, 3963, 3964, 3991, 3982, 3983, 3984, 3987, 3993, 3994, 3995, 3999

TRANSPORTATION

35	Highway Motor Freight, Passenger Service and Warehousing	4131, 4132
----	---	------------

TABLE VIII (continued)

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
		4213, 4231
		4212, 4214, 4224
		4221
		4222, 4223
		4224, 4226
36	Water Transportation	4411, 4421, 4441, 4452
		4453, 4454, 4459, 4463
		4464, 4469
37	Air Transportation	4511, 4521, 4582, 4583
38	Other Transportation Services	4011, 4013, 4021, 4041
		4612, 4613, 4619
		4111, 4119, 4121, 4140,
		4150
		4141, 4142, 4151, 4171,
		4172, 4742, 4782, 4783,
		4784, 4789
		4721
39	Communications	4811, 4821
		4832, 4833
		4899
<hr/>		
<u>UTILITIES</u>		
40	Gas Services (public and private)	4922, 4923, 4932
		9149, 4249, 9349
41	Electric Services (public and private)	4911, 4931
		9151, 9251, 9351
42	Water and Sanitary Service Systems (public and private)	9102, 9202, 9302
		4941, 4952, 4953, 4949,
		4961
<hr/>		
<u>WHOLESALE TRADE</u>		
43	Wholesale Auto, Parts and Supplies	5012, 5013, 5014
44	Wholesale Groceries and Related Products	5041, 5042, 5043, 5044,
		5045, 5046, 5047, 5048,
		5049
45	Wholesale Farm Products	5052, 5053, 5059
46	Wholesale Livestock	5054, 4731

TABLE VIII (continued)

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
47	Wholesale Machinery, Equipment and Supplies	5081, 5082, 5084, 5085, 5083, 5086, 5087
48	Wholesale Petroleum and Petroleum Products	5092
49	General Wholesale	5022, 5028, 5029, 5033, 5034, 5036, 5037, 5039, 5063, 5064, 5065, 5072, 5074, 5077, 5091, 5093, 5094, 5095, 5096, 5097, 5098, 5099

RETAIL TRADE

50	Retail Lumberyards	5211
51	Farm Equipment Dealers	5252
52	Hardware, Heating, Electrical, Paint, and Wallpaper	5221, 5231, 5241, 5251
53	Department and Variety Stores	5311, 5331, 5399
54	Food Stores	5411, 5462, 5499
55	Automotive Dealers and Repair Shops	5511, 7549, 5521, 5531 7531, 7534, 7535, 7538 7539, 7542
56	Gasoline Service Stations	554
57	Apparel Accessory Stores	5611, 5621, 5631, 5641, 5651, 5661, 5671, 5681, 5699
58	Furniture, Home Furnishings, Equipment Stores	5712, 5713, 5714, 5715, 5719, 5722, 5732, 5733
59	Eating and Drinking Places	5812, 5813
60	All Other Retail	5321 5912, 5921, 5932, 5933, 5942, 5943, 5952, 5953, 5591, 5592, 5599, 5971, 5982, 5983, 5984, 5992, 5993, 5994, 5996, 5997, 5999, 5995, 5341, 5351

F.I.R.E. - FINANCE, INSURANCE, REAL ESTATE

61	Banking and Credit Agencies	60, 61
62	Insurance Carriers, Real Estate and Finance n.e.c.	63, 6411 64, 62, 65, 66, 67

TABLE VIII (continued)

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
<u>SERVICES</u>		
63	Lodging Services	7011, 7021, 7041, 7031 7032
64	Personal Services	7211, 7212, 7213, 7214, 7215, 7216, 7217, 7218, 7231, 7241, 7251, 7261 7271, 7299
65	Advertising, Duplicating, Addressing and Photographic Services	7311, 7312, 7313, 7319 7331, 7332, 7339 7361 7813, 7814, 7815, 7821, 7395, 7221 7391, 8921 7341, 7817, 7818, 7832, 7833, 7911, 7929, 7932, 7933, 7941, 7942, 7943, 7945, 7946, 7947, 7948 7949
67	Auto Rentals and Parking Services	7512, 7513, 7519 7523, 7525
68	Miscellaneous Repair Services	7622, 7623, 7629 7631, 7641, 7692, 7694 7699
69	Medical and Dental Services	8011, 8021, 8031, 8041 8061, 8071, 8072 8092, 8099
70	Education (public and private)	8211, 8221, 8222 8231, 8241, 8242, 8299
71	Professional Services	8111 8911 8931 8411, 8421, 8611, 8621, 8631, 8641, 8651, 8661, 8671, 8699, 8811

TABLE VIII (continued)

Region Sector Number	Regional Industry Sector Description	Standard Industrial Classification
----------------------------	---	--

FINAL PAYMENTS

72	Households	
73	Payments to Federal Government	
74	Payments to State Government	
75	Payments to Local Government	
76	Depreciation	
77	Imports	
78	Residual	

FINAL DEMAND

72	Households	
73	Federal Government Purchases	
74	State Government Purchases	
75	Local Government Purchases	
76	Capital Formation	
77	Exports	
78	Net Inventory Change	

APPENDIX A. TABLE IX. Noncompetitive Industries/Sectors--  
Lower Rio Grande Region

Industry Description	Standard Industrial Classification
Irrigated Food Grains	0113
Dryland Food Grains	0213
Forestry	0811, 0822, 0823, 0844
All Other Mining and Quarrying	1411, 1422, 1423, 1429, 1442, 1446, 1452, 1453, 1454, 1455, 1456, 1459, 1476, 1492, 1499, 101, 102, 103, 105, 106 108, 109
Poultry Products	2015
Logging	2411
Lumber Mills	2421, 2429 2426 2429
Metal Furniture and Fixtures	2514 2522 2542
Paper and Paper Mills	2611 2621 2631 2661
Cyclic Crudes and Intermediates and Inorganic Pigments	28140, 28151, 28152, 28153 28163
Fibers, Plastics	28211, 28212, 28213, 28214, 28215, 28216, 28217, 28219
Synthetic Rubber	28220
Drugs	2831, 2833, 2834
Soap, Cleansers and Toiletries	2841, 2842, 2843 2844
Fabricated Rubber Products	3069
Blast Furnaces	3312
Primary Steel and Iron	3313, 3315, 3316, 3317
Nonferrous Rolling	3351 3352 3356 3357
Metal Doors	3442
Fabricated Metal Products	3411 2421 3423, 3425 3429



TABLE IX (continued)

Industry Description	Standard Industrial Classification
Plumbing	3431 3432 3433
Bolts, Nuts, Screws	3451, 3452 3461
Metal Working Machinery	3541 3542 3544, 3545 3548
Computers, Accounting, and Office Machinery	3571  3572 3576 3579
Refrigeration Machinery Electric Household Equipment	3585 3631 3632 3633 3634 3635 3636 3639
Aircraft	3721 3728
Aircraft Engines	3722
Other Aircraft	3729
Scientific Instruments	3811
Mechanical Measuring Devices	3821 3822
All Other Professional Services	8999
Ordinance and Ordinance Accessories	1911, 1925, 1929, 1931, 1941, 1951, 1961, 1999

APPENDIX A. TABLE X. Gross Regional Product Components (Thousand Dollars), Lower Rio Grande Region

REGION	REGIONAL INDUSTRY DESCRIPTION	CONTROL TOTAL
AGRICULTURE		
1	Irrigated Cotton	\$59,300
2	Irrigated Grains	15,800
3	Vegetables, Citrus, and Other Irrigated Crops	63,200
4	Dryland Cotton	43,100
5	Dryland Feed Grains	34,600
6	Other Dryland Crops	7,100
7	Range and Feed Lot Livestock	62,000
8	Poultry, Dairy, and Eggs	18,990
9	Agricultural Supplies, except Farm Machinery	3,147
10	Ginning	4,682
11	Agricultural Services	15,566
FISHERIES		
12	Fisheries	28,080
MINING		
13	Crude Petroleum, Natural Gas and Services	907,850
CONSTRUCTION		
14	Resident Construction, Alterations and Repairs	64,920
15	Commercial, Educational and Institutional Construction	57,403
16	Facility and Other Construction	212,515
MANUFACTURING		
17	Meat Products	28,198
18	Dairy Manufacturing	21,652
19	Canned, Preserved, Pickled, Dried and Frozen Foods	87,481
20	Other Food and Kindred Products	84,790
21	Beverages	14,525
22	Textile Mill Products, Furnishings and Apparel	10,834
23	Wood Furniture, Other Wood and Paper Products	12,764
24	Newspaper Publishing and Printing	17,232
25	Chemicals, Drugs and Related Products	175,384
26	Petroleum, Refining and Products	488,483
27	Clay, Cut Stone and Shell Products	1,448
28	Cement and Concrete Products	14,671
29	Primary Metals, Foundries, and Forgings	100,902
30	Fabricated Steel and Other Metal	10,219
31	Machinery and Processing Equipment	22,767
32	Electrical and Electronic Equipment	2,728
33	Transportation Equipment	7,706
34	All Other Manufacturing	6,009
TRANSPORTATION		
35	Highway Motor Freight, Passenger Service and Warehousing	21,819

TABLE X (continued)

REGION	REGIONAL INDUSTRY DESCRIPTION	CONTROL TOTAL
36	Water Transportation	26,539
37	Air Transportation	12,427
38	Other Transportation Service	63,968
COMMUNICATIONS		
39	Communications	58,600
UTILITIES		
40	Gas Services (public and private)	352,824
41	Electric Services (public and private)	63,256
42	Water and Sanitary Service Systems (public and private)	14,407
WHOLESALE TRADE		
43	Wholesale Auto Parts and Supplies	13,804
44	Wholesale Groceries and Related	56,554
45	Wholesale Farm Products	4,095
46	Wholesale Livestock	1,606
47	Wholesale Machinery, Equipment and Supplies	24,867
48	Wholesale Petroleum and Petroleum Products	18,371
49	General Wholesale	101,066
RETAIL TRADE		
50	Retail Lumberyards	18,715
51	Farm Equipment Dealers	11,540
52	Hardware, Heating, Electrical, Paint, and Wallpaper	4,931
53	Department and Variety Stores	59,910
54	Food Stores	134,083
55	Auto Dealers and Repair Shops	134,623
56	Gas Service Stations	16,892
58	Furniture, Home Furnishings, and Equipment Stores	8,869
60	All Other Retail	51,410
FINANCE, INSURANCE, AND REAL ESTATE - F.I.R.E.		
61	Banking and Credit Agencies	103,582
62	Insurance Carriers, Real Estate and Finance n.e.c.	52,450
SERVICES		
63	Lodging Services	24,829
64	Personal Services	34,042
65	Advertising, Duplicating, Addressing and Photographic Services	34,065
66	Motion Picture, Amusement and Recreation Services	8,597
67	Auto Rentals and Parking Services	2,664
68	Miscellaneous Repair Services	15,747
69	Medical and Dental Services	67,887
70	Education (public and private)	159,119
71	Professional Services	86,581

Source: Herbert W. Grubb, et al., Control Totals unadjusted for Inventory Change were provided by Regional Project Director and adjusted for this change as explained elsewhere in this report.

APPENDIX A. TABLE XI. Basic Sources of Control Total Data for the Lower Rio Grande Regional Study -- 1967

<u>SOURCE</u>	<u>WORK</u>
<u>AGRICULTURE</u>	
Texas Crop and Livestock Reporting Service	1968 published state totals for agriculture production statistics
United States Department of Agriculture	1967 data for cotton seed tonage produced in Texas
Dietrich, Raymond A.	"The Texas-Oklahoma Cattle Feeding Industry", Report B-1079, July 1966 to June 1967 by Texas A & M University
United States Bureau of the Census	<u>1964 Census of Agriculture</u>
	"Texas Livestock Statistics--1968"
	"Cash Receipts from the Sale of Texas Farm Commodities" - Bulletin 48
Texas Agriculture Extension Service	Report from Texas Agricultural Extension Service
Agriculture Stabilization and Conservation Service	Reports for 1967
United States Bureau of the Census	<u>1967 Census of Business--Retail Trade</u>
United States Department of Agriculture	<u>Charges for Ginning Cotton</u> , ERS-2 (1969) May 1969
Economic Research, University of Texas at Austin	Summary Report of Texas Cotton and Related Data
<u>COMMUNICATIONS</u>	
State of Texas Comptroller	City Annual Operating Expense Report Survey. Mail surveys

TABLE XI (continued)

<u>SOURCE</u>	<u>WORK</u>
State of Texas Comptroller in conjunction with reports from State Department of Parks & Wildlife	Total operation expenses; direct survey of firms comprising 90 percent of Texas telephone in- dustry operations; total gross statements of all intra-Texas revenue
Federal Communication Com- mission, Washington, D.C.	<u>Statistics of Communication Car- riers for 1967</u>
<u>op. cit.</u> , February 7, 1969	<u>AM-FM Broadcast Financial Data-- 1967</u>
<u>op. cit.</u> , December 31, 1968	<u>TV Broadcast Financial Data--1967</u>
.....	
<u>CONSTRUCTION</u>	
Bureau of the Census	<u>1967 Census of Construction</u>
.....	
<u>FINANCE, INSURANCE and REAL ESTATE</u>	
Texas Banking Commission	"Income Statement and Condition Reports" - 1967
Federal Deposit Insurance Cor- poration	<u>Bank Operating Statistics--1967</u>
Texas Savings and Loan Commission	Record files
Federal Savings and Loan League	Record files
Federal Land Bank and Bank of Cooperatives	Total operating Expenses by Direct Mail Survey
Texas Consumer Credit Commission	Financial Statement Reports
Texas Insurance Commission	Mail survey of annual reports of gross output of insurance agents and carriers
Business audit institutions, loan correspondents, and brokers	Mail survey

TABLE XI (continued)

SOURCE	WORK
<u>FISHERIES</u>	
Texas A & M University	<u>Economic Impact Analysis of Texas Marine Resources and Industries</u>
U.S. Department of the Interior	<u>Texas Landings--1967</u>
Bureau of the Census	<u>1967 Census of Manufacturing</u>
.....	
<u>GOVERNMENT</u>	
Office of Economic Opportunity	Federal Outlays in Texas, 1967-1968 on a 1/2 FY '67-1/2 FY '68 basis
State of Texas, Office of the Comptroller	<u>Annual Report of the Comptroller of the State of Texas, 1967-1968 on a 1/2 FY '67-1/2 FY '68 basis</u>
Bureau of the Census	<u>1967 Census of Government, Vol. 7, State Report: Texas, Table 32</u>
.....	
<u>MANUFACTURING</u>	
Bureau of the Census	<u>1967 Census of Manufacturers -- Texas</u>
	Texas Input-output manufacturing survey
.....	
<u>MINING</u>	
Railroad Commission of Texas, Austin	<u>Annual Report of the Oil and Gas Division: 1967</u>
Bureau of Mines	<u>Minerals Yearbook, 1967</u>
Bureau of the Census	1967 Census of Mineral Industries: Oil and Gas Field Services



TABLE XI (continued)

SOURCE	WORK
<u>MINING</u> (continuation)	
Oil and Gas Division of the State Comptroller's Office	
.....	
<u>RETAIL TRADE</u>	
Bureau of the Census	<u>1967 Census of Business--Retail Trade, Texas, Table 3</u>
	Texas input-output survey
.....	
<u>SERVICES</u>	
Texas Bar Association	"1966 Economic Survey of Texas Practicing Lawyers," adjusted to 1967
Bureau of the Census	<u>1967 Census of Business--Selected Services for Texas</u>
United States Department of the Treasury	<u>1967 Statistics of Income--Business Income Tax Returns</u>
Texas Employment Commission	Annual wage reports
American Hospital Association	Conducted survey of member hospitals and laboratories
Texas Education Agency	Total operating, school lunch program expenses, debt service of public elementary and secondary schools' report
Texas College Coordinating Board	Summaries of operating expenses of public junior colleges, colleges and universities
U.S. Office of Business Economics, Department of Commerce	<u>Input-Output Structure of the U.S. Economy: 1968</u>
.....	

TABLE XI (continued)

SOURCE	WORK
<u>TRANSPORTATION</u>	
Railroad Commission of Texas	Sum of income of 100% sample of railroad companies, intercity buslines and freight lines
	Water Transportation - surveyed by mail; sample data
Air Transportation Association; city (Austin) annual operating expenses report survey	Sample of major airlines
.....	
<u>UTILITIES</u>	
Railroad Commission of Texas, Gas Utilities Division	Individual gas utility annual reports of consumption
Edison Electrical Institute	<u>Statistical Yearbook of the Electric Utility Industry for 1967</u> , No. 35 (September 1968)
Bureau of the Census	<u>1967 Census of Governments--Local Governments</u> , Report No. 43, Texas Table 32
.....	
<u>WHOLESALE TRADE</u>	
Bureau of the Census	<u>1967 Census of Business--Wholesale Trade</u> , Texas, Tables 4, 5, and 6
	Texas Input-Output Survey Data
.....	
SOURCE: Anita Rau, Division of Planning Coordination, Office of the Government, November 11, 1971; and Survey Data.	



TABLE XII, APPENDIX B TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	1	2	3	4	5	6	7	8
1 IRR COTTON	355.540	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	396.900	0	479.000	0	0	0
3 VEG,CIT,OTH IRR	0	0	122.300	0	0	0	0	0
4 DRYLAND COTTON	0	0	0	202.900	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0	0	0	1409.400	2017.300
6 OTHER DRYLAND CR	0	0	0	0	0	149.400	30.000	1657.100
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	10254.402	0
8 DAIRY,POULTRY,EG	0	0	0	0	0	0	0	0
9 AG SUPPLY	787.757	151.776	972.482	523.711	478.736	104.207	104.402	24.134
10 GINNING	2500.000	0	0	1900.000	0	0	0	0
11 AG SERVICES	5260.001	1620.000	1952.000	1790.000	1920.000	324.000	1960.000	740.000
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	480.000	120.000	597.000	320.000	320.000	57.000	607.000	200.000
17 MEAT PRODUCTS	0	0	0	0	0	0	0	0
18 DAIRY MANUFACT	0	0	0	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0	0	0	0	0	0	0
20 OTH FOOD,KIN PRO	0	0	0	0	0	0	4257.601	3467.100
21 BEVERAGES	0	0	0	0	0	0	0	0
22 TEXTILE MILL PRO	496.000	0	0	357.500	0	77.300	0	0
23 WOOD,PAPER PROD	34.200	8.600	0	25.700	25.700	50.500	431.200	21.600
24 NEWS,PUBS,PRINT	0	0	0	0	0	0	0.600	0
25 CHEM,DRUG,REL PR	4867.301	976.300	5492.501	3137.200	3056.500	496.000	772.700	173.000
26 PETRO,REF,PROD	1617.500	856.700	861.500	1258.100	2366.400	145.600	6.600	407.400
27 CLAY,CUT ST,SHEL	0	0	0	0	0	0	0	0
28 CEM,CONC PRODUCT	0	0	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0	14.800	0	212.300	0	0	0	0
30 FAB ST,OTH MET	85.500	0	193.700	76.700	59.400	7.200	89.500	31.300
31 MACH,PROC EQUIP	1852.900	997.700	665.100	1466.000	2741.900	74.700	13.600	74.700
32 ELEC,ELECT EQUIP	24.300	10.200	11.900	16.100	32.800	1.000	2.900	2.100
33 TRANSPORTN EQUIP	0	0	0	0	0	0	0	0
34 OTHER MANUFACT	113.000	45.900	1055.700	83.200	135.400	6.800	25.100	29.400
35 HWY MOT FR,WRHSG	0	0	0	0	0	0	1240.000	770.000
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	0	0	0	0	0	0	0	0
38 OTH TRANSPORTN S	0	0	0	0	0	0	0	0
39 COMMUNICATIONS	140.000	40.000	171.000	90.000	100.000	17.000	86.000	60.000
40 GAS SERVICES	0	0	0	0	0	0	11.000	20.000
41 ELECTRIC SERVICE	140.000	40.000	171.000	90.000	100.000	17.000	93.000	35.300
42 WATER,SANI SERVC	0	0	0	0	0	0	0	0
43 WHLSE AUTO,PT,SU	194.300	84.700	92.900	141.400	229.700	8.500	22.900	0
44 WHLSE GROC REL	0	0	0	0	0	0	0	0
45 WHLSE FARM PRO	63.000	40.900	142.000	56.700	133.800	41.700	1001.100	1374.200
46 WHLSE LIVESTOCK	0	0	0	0	0	0	1400.000	111.800
47 WHLSE MAC	0	0	495.700	0	0	0	0	0
48 WHLSE PETRO,PROD	52.500	266.100	267.600	390.800	735.100	45.200	2.000	126.500
49 GEN WHLSE	1487.800	266.800	1528.400	0	825.300	165.100	336.400	153.100
50 RETAIL LUMBERYDS	17.900	14.100	0	0	12.000	4.200	409.200	49.400
51 FARM EQUIP DEAL	877.100	472.300	304.900	694.000	1298.100	35.300	6.400	35.300
52 HRDW,HEAT,ELECT	203.000	67.900	516.300	159.000	169.400	28.100	133.600	101.500
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0	0
55 AUTO DEAL REP SH	904.500	276.600	915.800	617.900	710.700	80.600	399.900	554.400
56 GAS SER STATIONS	580.000	307.200	308.900	451.100	848.500	52.200	2.400	146.100
57 APPAREL ACES STO	0	0	0	0	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	0	0	0	0	0	0
60 ALL OTHER RETAIL	0	0	0	0	0	0	0	0	0
61 BANK CREDIT AGEN	1130.000	320.000	1832.000	730.000	900.000	213.000	1259.000	300.000	0
62 INS REAL EST FIN	3210.000	860.000	3639.000	2270.000	1990.000	420.000	2697.000	1170.000	0
63 LODGING SERVICES	0	0	0	0	0	0	0	0	0
64 PERSONAL SERVICE	0	0	0	0	0	0	0	0	0
65 ADV DUP ADD PHOT	40.000	10.000	43.000	20.000	30.000	4.000	20.000	0	0
66 MOTION PIC AMUSE	0	0	0	0	0	0	0	0	0
67 AUTO RENT PARK	0	0	0	0	0	0	0	0	0
68 MISCELL REP SERV	40.000	1.500	52.000	30.000	30.000	5.000	24.000	150.000	0
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	0	0	0	0	0	0	0	0	0
72 HOUSEHOLDS	22498.716	3435.982	26580.484	19150.524	6607.423	1367.349	27546.876	-2092.679	0
73 FEDERAL GOV	192.099	120.000	2054.002	160.857	350.000	149.000	310.576	200.000	0
74 STATE GOV	40.442	10.000	43.000	20.107	30.000	4.000	18.486	10.000	0
75 LOCAL GOV	2396.189	610.000	2891.002	1578.410	1610.001	280.000	1242.304	1000.001	0
76 DEPRECIATION	4236.300	1539.001	5431.705	2912.520	4164.004	622.200	1891.186	1938.003	0
77 IMPORTS	2382.179	2214.944	3398.246	2167.291	2110.145	2046.844	1881.705	3931.950	0
78 RESIDUAL	0	0	0	0	0	0	0	0	0
TOTAL INPUTS	59300.024	15800.003	63200.022	43100.020	34600.009	7100.000	62000.038	18990.009	0

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	9	10	11	12	13	14	15	16
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0	2.423	15.617	0.022	0	0	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0	2.546	0	0	0	0	0
6 OTHER DRYLAND CR	0	0	0	0	0	0	0	0
7 RANGE,FEEDLOT,LV	0	0	0.039	588.030	0	0	0	0
8 DAIRY,POULTRY,EG	0	0	593.477	0	0	0	0	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	307.446	0	0	0	0
13 CR PET,NAT GAS,S	0	0	7.252	0	66867.624	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0	484.633	0	0	1428.662	54.218	81.340	3005.573
17 MEAT PRODUCTS	0	0	1.014	0	0	0	0	0
18 DAIRY MANUFACT	0	0	0.128	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0	0.574	22.446	0.031	0	0	0
20 OTH FOOD,KIN PRO	0	0	58.262	874.616	0	0	0	0
21 BEVERAGES	0	0	14.757	0	0	0	0	0
22 TEXTILE MILL PRO	9.417	31.058	3.020	235.927	0	319.953	47.697	44.766
23 WOOD,PAPER PROD	4.092	0.159	1043.431	0	171.811	1076.235	156.143	2871.039
24 NEWS,PUBS,PRINT	7.279	3.472	0.132	0	27.458	483.298	1.072	46.132
25 CHEM,DRUG,REL PR	0	0	2418.175	30.211	1476.954	1108.217	743.810	851.670
26 PETRO,REF,PROD	0.356	43.634	578.477	793.845	7934.514	538.214	1128.266	2643.621
27 CLAY,CUT ST,SHEL	0.019	0	0.222	0.093	0.377	312.772	111.742	883.702
28 CEM,CONC PRODUCT	0	0	0.135	0	0	1126.724	1753.675	10258.104
29 PRI MET,FOUND,FG	0	0	0.473	0	0	0	0	55.200
30 FAB ST,OTH MET	0	0.122	0.570	104.426	59.272	209.572	720.602	4186.501
31 MACH,PROC EQUIP	0	0.327	209.632	0.498	723.213	93.205	533.089	478.623
32 ELEC,ELECT EQUIP	0.004	0.004	0.856	28.607	155.201	50.443	65.964	87.606
33 TRANSPORTN EQUIP	0	22.358	0.077	2296.128	0	39.793	123.704	4638.170
34 OTHER MANUFACT	0.773	0.006	2.195	0.199	0.554	42.747	6.362	36.847
35 HWY MOT FR,WRHSG	0.036	52.116	10.564	6.758	2444.671	33.750	30.127	539.144
36 WATER TRANSPORTN	0	0	0	0	18467.980	0	0	0
37 AIR TRANSPORTN	0	0	65.879	0	1200.828	0	0	0
38 OTH TRANSPORTN S	0.094	0	0	0	110.346	6.849	6.577	4.315
39 COMMUNICATIONS	34.624	30.999	99.759	72.461	2379.574	432.038	228.689	1122.697
40 GAS SERVICES	2.671	50.605	10.768	8.416	491.428	83.685	1.893	48.311
41 ELECTRIC SERVICE	44.792	264.597	52.966	35.695	2071.262	135.475	107.347	413.636
42 WATER,SANI SERVC	10.516	0.492	23.099	24.021	38.340	38.445	23.229	48.427
43 WHLSE AUTO,PT,SU	0	0	0.664	0	0	0	0	0
44 WHLSE GROC REL	0	0	0.049	0	0	0	0	0
45 WHLSE FARM PRO	0	0	0.971	0	0	0	0.199	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0	0	34.169	415.770	1753.947	0	0	0
48 WHLSE PETRO,PROD	0	27.605	66.805	502.103	404.547	0.824	0	0.123
49 GEN WHLSE	526.001	16.777	16.507	1.790	306.724	1459.919	6.982	9987.176
50 RETAIL LUMBERYDS	0	0	0.810	0	24.271	0	0	146.126
51 FARM EQUIP DEAL	0	0	788.560	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0	0	16.129	0	0	3.155
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	2.171	716.993	1.019	0	0	0
55 AUTO DEAL REP SH	0	48.194	3.260	21.298	848.657	82.597	224.940	3215.172
56 GAS SER STATIONS	5.413	0	4.676	0	288.188	138.030	150.107	345.180
57 APPAREL ACES STO	0	0	1.967	0	0	0	0	0



58 FURNITURE HOME	0	0	0	0	1.903	0	0	0
59 EATING DRNK PLAC	0	0	4.852	0	23.235	0	0	0
60 ALL OTHER RETAIL	0	0	2.070	0	34.305	46.699	64.031	104.623
61 BANK CREDIT AGEN	33.365	139.448	55.159	2.425	17.523	2902.013	442.548	1052.389
62 INS REAL EST FIN	46.058	68.543	38.854	10.263	2019.269	1088.098	584.750	2633.715
63 LODGING SERVICES	0	0	59.284	0	76.210	0	0	0
64 PERSONAL SERVICE	0	0	0.172	0	194.233	15.429	37.191	60.539
65 ADV DUP ADD PHOT	0	65.568	646.562	17.540	4861.217	378.289	197.096	1057.240
66 MOTION PIC AMUSE	0	0	0	0	0	0	0	0
67 AUTO RENT PARK	0	0	0	244.485	0	0	0	0
68 MISCELL REP SERV	20.260	0	72.993	0	1531.651	37.243	80.109	50.344
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	165.322	45.522	56.777	166.512	1184.677	1308.079	265.100	2174.268
72 HOUSEHOLDS	1268.447	1875.088	2945.040	11342.834	322946.176	24361.952	21429.916	90365.648
73 FEDERAL GOV	19.508	158.996	384.065	692.166	43916.392	1537.654	4266.966	12250.162
74 STATE GOV	13.362	40.889	37.745	109.453	43934.608	379.073	302.729	1491.071
75 LOCAL GOV	24.853	86.897	39.620	74.512	9799.170	528.790	224.823	841.560
76 DEPRECIATION	87.629	844.943	275.556	2938.772	109047.184	720.074	500.081	19776.400
77 IMPORTS	247.170	278.938	3753.171	5377.652	108420.560	23749.632	22754.116	34694.280
78 RESIDUAL	575.132	0	1072.569	0	150148.160	0	0	0
<b>TOTAL INPUTS</b>	<b>3147.193</b>	<b>4681.990</b>	<b>15566.000</b>	<b>28080.008</b>	<b>907850.077</b>	<b>64920.028</b>	<b>57403.012</b>	<b>212515.155</b>

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	17	18	19	20	21	22	23	24
1 IRR COTTON	1.217	0	0	2877.833	0	15.664	0	0
2 IRRIGATED GRAINS	0	0	0	115.113	0	0.004	0	0
3 VEG,CIT,OTH IRR	0.046	2.671	8417.582	72.259	15.141	0.164	0.014	0.004
4 DRYLAND COTTON	0	0	0	257.442	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	1726.699	0	0.013	0	0.001
6 OTHER DRYLAND CR	0	0	91.757	278.190	0	0	0.015	0.010
7 RANGE,FEEDLOT LV	12842.186	2.391	230.771	122.427	23.763	0	0.001	0
8 DAIRY,POULTRY,EG	824.998	7506.821	58.495	46.451	3.011	0.002	0.034	0.032
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	248.303	0	1.196	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	20277.036	0.618	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0.051
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	2.896	0	0	0	0
16 FAC,OTH CONST	0	0	35.266	308.372	0	3.371	3.786	2.616
17 MEAT PRODUCTS	580.377	0	69.790	17.937	0	0.007	0.101	0.038
18 DAIRY MANUFACT	0	168.948	0	0.883	0	0	0.011	0.002
19 CAN,PRE,P,D,FROZ	0.034	11.108	84.599	43.655	0.127	0.003	0.056	0.005
20 OTH FOOD,KIN PRO	0	65.900	96.192	3772.388	2.825	0.001	66.783	0.100
21 BEVERAGES	0	0	0	12.972	4.131	0.003	0.317	0.441
22 TEXTILE MILL PRO	0	0	0	324.494	0.001	299.813	27.579	3.651
23 WOOD,PAPER PROD	0.014	7.961	312.616	475.267	0.419	17.976	100.928	74.086
24 NEWS,PUBS,PRINT	0.219	2.634	137.727	10.756	23.782	0.568	16.394	160.363
25 CHEM,DRUG,REL PR	0	0	21.135	0.104	16.497	0.006	50.080	1.848
26 PETRO,REF,PROD	47.022	59.832	0.874	48.912	0.136	0.111	0.327	3.369
27 CLAY,CUT ST,SHEL	0.025	0.006	0	0.266	9.553	0.009	0.062	0.019
28 CEM,CONC PRODUCT	0	0	0	0.246	0	0	0	0.021
29 PRI MET,FOUND,FG	0	0	0	0.686	0	0	0.161	0.057
30 FAB ST,OTH MET	0	0	0	8.956	0	0.008	2.777	131.390
31 MACH,PROC EQUIP	0.002	0.016	0	0.099	0	0.009	0.070	0.473
32 ELEC,ELECT EQUIP	0.005	0.023	0	1.244	0.006	0.132	0.042	1.307
33 TRANSPORTN EQUIP	0	0	0	0.084	0	0.005	0.113	0.100
34 OTHER MANUFACT	0.200	13.241	9.787	40.537	0.001	1.000	1.564	2.808
35 HWY MOT FR,WRHSG	0.618	0	45.479	108.011	35.874	6.803	93.175	142.491
36 WATER TRANSPORTN	0	0	0	0	0	0	0	8.381
37 AIR TRANSPORTN	0	0	0	0	0	1.919	2.419	0.045
38 OTH TRANSPORTN S	3.235	0	0	1698.733	0	463.430	160.473	118.974
39 COMMUNICATIONS	133.128	26.334	190.280	554.830	142.452	80.284	108.775	111.904
40 GAS SERVICES	25.704	0	156.724	229.673	23.163	14.281	5.808	16.556
41 ELECTRIC SERVICE	140.398	0	631.530	1218.102	103.627	48.274	52.807	111.930
42 WATER,SANI SERVC	15.681	0	146.878	81.706	34.196	6.287	4.825	9.614
43 WHLSE AUTO,PT,SU	11.697	0	0	57.007	0.691	0.001	0.088	0.018
44 WHLSE GROC REL	0	3.031	1011.627	361.689	30.649	0.004	0.019	0.016
45 WHLSE FARM PRO	0	0	22.911	12.459	0	0.067	2.905	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	168.382	0	38.829	2.626	0	0.080	2.727	24.170
48 WHLSE PETRO,PROD	29.721	37.843	0.552	30.934	0	0.001	0.058	0.318
49 GEN WHLSE	6.878	0.343	11.090	101.782	18.353	13.811	18.686	77.905
50 RETAIL LUMBERYDS	1.758	0	2.419	2.645	0	0	27.510	0.006
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	1.922	0.280	0	0	0.631	0.006
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0.158
54 FOOD STORES	0	0	0	0	0	0	0.003	0.003
55 AUTO DEAL REP SH	22.165	81.532	0	14.732	34.442	0.093	1.726	6.818
56 GAS SER STATIONS	19.706	0	15.100	10.340	22.072	2.147	4.978	30.397
57 APPAREL ACES STO	0	0	0	0	0	0	0	0.002

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	2.780	0	0.047	0.713	0.092	
60 ALL OTHER RETAIL	0.157	0	0	0.105	0.678	0.005	1.493	7.769	
61 BANK CREDIT AGEN	0	0	0.954	1.050	0	0.184	0	0.059	
62 INS REAL EST FIN	0	0	0	1.380	0	0.317	1.214	0.813	
63 LODGING SERVICES	0	0	0	8.393	0	0.191	1.859	0.437	
64 PERSONAL SERVICE	83.968	0	3.265	24.761	0	0	1.373	1.478	
65 ADV DUP ADD PHOT	14.206	0	56.659	326.811	157.980	0.406	32.656	124.685	
66 MOTION PIC AMUSE	0	0	0	0	0	0.002	0	0.037	
67 AUTO RENT PARK	27.331	0	41.535	437.487	0	0.097	0.485	111.918	
68 MISCELL REP SERV	132.172	16.519	0	48.614	0	0.410	7.587	41.912	
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0.013	
70 EDUCATION	0	0	0	0	18.207	0.014	0	2.156	
71 PROFESSIONAL SER	41.241	0	37.886	99.687	55.851	18.938	19.673	144.187	
72 HOUSEHOLDS	2576.243	3694.551	10940.126	13564.054	4431.428	4482.746	2044.885	6635.865	
73 FEDERAL GOV	213.068	129.252	832.938	1573.069	131.587	206.612	148.306	1136.340	
74 STATE GOV	50.473	45.493	85.811	216.792	48.000	71.985	17.899	48.156	
75 LOCAL GOV	79.101	33.758	337.184	582.623	44.772	36.465	46.494	138.212	
76 DEPRECIATION	487.580	241.124	864.461	1636.749	1342.828	157.328	132.314	476.955	
77 IMPORTS	9655.248	5652.386	27546.420	33706.264	5206.611	5923.675	7586.256	5965.035	
78 RESIDUAL	-38.619	3848.486	14614.888	17257.348	2542.200	-1043.003	1961.736	1353.076	
<hr/>									
TOTAL INPUTS	28197.585	21652.204	87481.095	84789.605	14525.054	10833.966	12763.771	17231.699	
<hr/>									

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	25	26	27	28	29	30	31	32
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0.182	0	0.001	0	0	0.005	18.878	0.024
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0.010	0	0	0	0	0	0.196	0.018
6 OTHER DRYLAND CR	1.285	0	0.020	0	0	0.005	0.536	0.011
7 RANGE,FEEDLOT LV	0.090	0	0	0	0	0.001	0.018	0
8 DAIRY,POULTRY,EG	0.636	0	0.048	0	0	0.005	0.083	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0.004	0	0	0	0	0	0.001	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0.003	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	9976.782	222420.672	0.022	0	0	0	0.193	2,225
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	58.971	0
16 FAC,OTH CONST	4231.872	483.767	0.555	12.454	0	4.488	32.855	3,121
17 MEAT PRODUCTS	1.878	0	0.192	0	0	0.016	1.265	0.006
18 DAIRY MANUFACT	0.127	0	0.021	0	0	0.002	0.186	0.001
19 CAN,PRE,P,D,FROZ	0.685	0	0.027	0	0	0.022	0.364	0.002
20 OTH FOOD,KIN PRO	27.640	0	0.126	0	270.202	0.031	0.466	0.057
21 BEVERAGES	3.264	0	0.034	0	0	0.130	2.265	1.436
22 TEXTILE MILL PRO	80.931	0.001	0.088	0	22.916	0.104	0.404	0.174
23 WOOD,PAPER PROD	554.431	17.351	27.290	20.161	36.393	6.296	1.704	1.939
24 NEWS,PUBS,PRINT	17.095	36.112	0.777	15.481	47.589	2.020	3.912	0.757
25 CHEM,DRUG,REL PR	3602.352	11280.138	8.842	0	21.621	2.140	8.259	29,552
26 PETRO,REF,PROD	1270.744	1081.835	17.100	1.305	0	0.763	31.600	1,882
27 CLAY,CUT ST,SHEL	0.714	1.566	1.227	21.287	0.945	0.198	0.637	0.043
28 CEM,CONC PRODUCT	0	8.792	5.418	347.597	0	0	2.090	0.002
29 PRI MET,FOUND,FG	580.948	0	0.239	65.514	3.172	0.054	159.209	4,709
30 FAB ST,OTH MET	226.739	0.309	2.282	0	0.595	4.811	117.692	16,874
31 MACH,PROC EQUIP	813.036	8.190	0.498	0	0	36.941	90.163	4,891
32 ELEC,ELECT EQUIP	0.875	0.192	0.661	0.003	8.762	0.202	24.151	29,090
33 TRANSPORTN EQUIP	7.375	0	0.126	0	0	0.015	12.561	0.010
34 OTHER MANUFACT	669.629	2.669	0.333	0	42.111	0.110	9.941	11,639
35 HWY MOT FR,WRHSG	1457.804	388.535	59.177	671.152	115.538	0.599	33.529	3,696
36 WATER TRANSPORTN	1014.065	1218.068	0	0	0	0	244.278	0,274
37 AIR TRANSPORTN	183.796	0	0.152	0	0	0.127	23.433	3,743
38 OTH TRANSPORTN S	10544.558	1832.055	239.016	682.287	3849.688	12.129	44.529	21,172
39 COMMUNICATIONS	594.831	107.149	14.028	94.927	318.326	74.643	146.450	16,505
40 GAS SERVICES	5986.885	3106.445	58.156	19.932	368.251	10.612	21.508	1,630
41 ELECTRIC SERVICE	8545.004	1758.607	66.759	0	1793.172	46.776	58.541	9,221
42 WATER,SANI SERVC	44.120	308.699	1.332	11.451	116.469	6.277	13.349	0,720
43 WHLSE AUTO,PT,SU	125.766	0	0.116	6.858	0.331	0.190	7.044	0,276
44 WHLSE GROC REL	4.060	0	0.669	0	0	0.009	0.331	0,003
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	450.598	239.256	10.162	58.954	12.753	23.787	91.142	4,016
48 WHLSE PETRO,PROD	337.298	682.004	0.307	0	0	0.142	13.270	0,325
49 GEN WHLSE	669.407	4.454	6.394	15.355	2989.596	122.790	145.658	10,711
50 RETAIL LUMBERYDS	2.666	6.059	0.042	1.142	1.085	0.990	0.752	0,029
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0.009	0	0.718	20.383	5.718	0,049
53 DEPART,VAR STORE	0	0	0	0	0	0	0.005	0,011
54 FOOD STORES	0.025	0	0.010	0	0	0	0.002	0
55 AUTO DEAL REP SH	617.613	0	1.140	82.585	0	1.389	4.715	0,280
56 GAS SER STATIONS	29.693	0	0.705	17.541	57.645	11.371	7.799	0,579
57 APPAREL ACES STO	0	0	0	0	0	0	0.017	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0.006	0.053
59 EATING DRNK PLAC	12.597	0	0.279	0	0	0	0.110	7.370	0.065
60 ALL OTHER RETAIL	3.557	17.737	0.138	6.502	0	0	2.259	5.595	0.885
61 BANK CREDIT AGEN	0.380	0	0.571	0	804.945	0	0.009	2.697	0.086
62 INS REAL EST FIN	894.906	0	1.730	0	534.212	0	1.155	4.682	0.936
63 LODGING SERVICES	15.437	0	0.777	0	0	0	0.287	6.145	0.147
64 PERSONAL SERVICE	0.973	0	0.016	2.742	424.811	0	0.109	3.984	0.192
65 ADV DUP ADD PHOT	1333.348	1867.854	3.045	10.451	1085.302	0	6.418	49.395	3.124
66 MOTION PIC AMUSE	9.441	0	0.027	0	0	0	0	2.202	0.013
67 AUTO RENT PARK	307.608	0	1.323	0	0	0	0.058	10.054	11.792
68 MISCELL REP SERV	72.880	0	11.485	0	204.217	0	0.458	10.595	0.530
69 MEDICAL DENT SER	0.205	6.678	0	0	10.615	0	1.534	0.136	0.095
70 EDUCATION	10.127	0	0	0	0	0	0	0	0.060
71 PROFESSIONAL SER	289.693	183.562	5.609	76.513	411.147	0	15.619	84.755	16.010
72 HOUSEHOLDS	44779.160	12254.454	433.077	2587.127	37195.616	3118.808	5083.882	831.263	87.339
73 FEDERAL GOV	3261.680	7655.417	35.309	204.263	1440.696	331.304	306.521	87.339	87.339
74 STATE GOV	658.110	185.858	16.259	52.167	103.258	12.952	48.826	6.177	6.177
75 LOCAL GOV	920.110	737.637	7.751	46.366	523.346	88.563	92.597	8.427	8.427
76 DEPRECIATION	10023.480	6007.111	73.379	771.392	2360.586	526.077	250.410	53.983	53.983
77 IMPORTS	32497.348	146612.320	385.533	6477.034	38076.672	4907.450	8038.894	1195.014	1195.014
78 RESIDUAL	27615.432	67962.496	-51.990	2290.155	7648.977	815.472	7317.243	330.429	330.429
TOTAL INPUTS	175383.988	488484.049	1448.419	14670.698	100902.278	10219.215	22766.659	2728.323	2728.323

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	33	34	35	36	37	38	39	40
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0.044	0	0	0	0	0	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0.029	0	0	0	0	0	0
6 OTHER DRYLAND CR	0	73.172	0	0	0	0	0	0
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	0	0
8 DAIRY,POULTRY,EG	0	0.008	0	0	0	0	0	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0.006	0	0	0	40059.408	0	218367.584
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	8.239	0	0	0	0	0	0
16 FAC,OTH CONST	0.596	31.220	241.262	90.460	4.755	1142.101	21.558	433.516
17 MEAT PRODUCTS	0	0.039	0	0	0	0	0	0
18 DAIRY MANUFACT	0	0.004	0	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0.019	0	0	0	0	0	0
20 OTH FOOD,KIN PRO	0	0.034	0.435	0	0	74.460	0	0
21 BEVERAGES	0	0.527	0	0	0	0	0	0
22 TEXTILE MILL PRO	16.807	1.742	0.003	0	0	0	0.001	13.572
23 WOOD,PAPER PROD	2.394	28.803	12.127	10.106	0.721	20.279	1.638	0.046
24 NEWS,PUBS,PRINT	0.304	0.712	2.331	4.663	1.941	78.283	616.414	15.125
25 CHEM,DRUG,REL PR	0	40.180	0	0.458	0	1.006	0	1.413
26 PETRO,REF,PROD	0.015	1.930	443.481	848.844	1266.641	484.400	53.946	420.005
27 CLAY,CUT ST,SHEL	0.126	0.036	0.008	0.333	0.003	18.676	0.007	0
28 CEM,CONC PRODUCT	0	3.073	0	0.443	0	0	0	0
29 PRI MET,FOUND,FG	0	2.433	0	90.233	0	112.758	0	0
30 FAB ST,OTH MET	29.741	7.013	0	0	0.001	25.892	0	0
31 MACH,PROC EQUIP	7.534	7.899	0.004	1.091	0.023	477.940	0.124	142.025
32 ELEC,ELECT EQUIP	11.777	0.330	0.009	1.564	0.052	113.839	83.759	0.562
33 TRANSPORTN EQUIP	0	0.168	0	0	0	22.025	5.781	0.278
34 OTHER MANUFACT	50.676	19.504	0.133	0	0.009	94.764	18.155	0.001
35 HWY MOT FR,WRHSG	0	12.139	0	14.414	0	41.005	55.836	198.679
36 WATER TRANSPORTN	0	0	0	5400.057	0	0	0	0
37 AIR TRANSPORTN	0	0.931	0	0	1203.064	25.599	50.309	0
38 OTH TRANSPORTN S	0	421.912	0	63.311	0	771.790	99.059	154.089
39 COMMUNICATIONS	12.242	49.274	1281.959	84.840	61.156	107.190	263.268	896.226
40 GAS SERVICES	7.148	12.493	266.800	1.380	1.648	201.488	50.249	3998.496
41 ELECTRIC SERVICE	31.442	101.851	443.922	41.536	3.251	369.266	442.604	237.380
42 WATER,SANI SERVC	6.055	5.677	25.507	5.888	0.533	22.633	57.548	61.047
43 WHLSE AUTO,PT,SU	0	0.061	723.686	932.196	0	46.103	0	0.559
44 WHLSE GROG REL	0	0.009	0	0	0	0	0	0
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	179.561	22.226	0	32.993	0.066	0	0	1.058
48 WHLSE PETRO,PROD	0	0.006	280.583	3.899	84.864	115.599	0	8.479
49 GEN WHLSE	60.655	22.623	64.062	1034.502	0.566	99.099	7.541	83.970
50 RETAIL LUMBERYDS	8.449	6.867	0	17.278	0	0	6.942	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0.417	0	16.793	0	0	9.739	1.062
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0	0
55 AUTO DEAL REP SH	2.006	3.596	0	1.901	0	0	0	236.894
56 GAS SER STATIONS	1.035	1.153	0	0.904	0	0	0	30.931
57 APPAREL ACES STO	0	0	0	1.057	0	0	0	0



58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0.308	0	0	0	0	0	0	0
60 ALL OTHER RETAIL	0.077	0.044	0	0.229	0	0	0	0	0
61 BANK CREDIT AGEN	0	0.511	0	166.484	0	27.449	65.534	883.706	0
62 INS REAL EST FIN	0	1.325	1094.136	948.563	79.292	222.731	323.747	991.956	0
63 LODGING SERVICES	0	0.776	0	0	0	0	0.259	0	0
64 PERSONAL SERVICE	6.305	11.992	0	0	0	61.121	0	0	0
65 ADV DUP ADD PHOT	273.005	3.782	643.954	32.334	190.514	189.571	341.718	428.354	0
66 MOTION PIC AMUSE	0	1.178	0	0	0	0	7.088	0	0
67 AUTO RENT PARK	0	0.075	0	0.471	0	8.458	0	3.386	0
68 MISCELL REP SERV	3.868	5.856	0	14.616	0	0	10.962	760.747	0
69 MEDICAL DENT SER	0	0.013	0	0.244	0	0	0	0	0
70 EDUCATION	0	0.138	0	4.834	0	0	0	0	0
71 PROFESSIONAL SER	40.088	12.408	583.856	419.261	0	34.394	65.137	1270.921	0
72 HOUSEHOLDS	2342.923	1522.118	7613.661	11993.858	3485.876	5055.558	13867.834	33107.052	0
73 FEDERAL GOV	76.233	139.067	744.642	664.370	498.581	2502.997	8775.560	13532.662	0
74 STATE GOV	5.798	5.059	886.487	75.967	11.308	277.009	1145.028	3771.204	0
75 LOCAL GOV	11.292	25.226	164.860	53.867	199.375	664.615	2075.959	9384.912	0
76 DEPRECIATION	278.353	476.580	1379.959	229.284	17.405	4122.090	8032.125	21398.712	0
77 IMPORTS	3722.327	2342.699	2885.711	20.258	334.725	795.340	21149.104	8148.667	0
78 RESIDUAL	517.611	571.195	2035.741	3213.685	4980.961	5480.942	894.974	33839.024	0
<hr/>									
TOTAL INPUTS	7706.443	6008.749	21819.319	26539.469	12427.331	63967.878	58599.507	352824.300	0

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	41	42	43	44	45	46	47	48
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0	0	0	0	0	0	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0	0	0	0	0
6 OTHER DRYLAND CR	0	0	0	0	0	0	0	0
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	0	0
8 DAIRY,POULTRY,EG	0	0	0	0	0	0	0	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	125.266	726.083	0	0	0	43.191	0	0
17 MEAT PRODUCTS	0	0	0	0	0	0	0	0
18 DAIRY MANUFACT	0	0	0	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0	0	206.536	0	0	0	0.032
20 OTH FOOD,KIN PRO	0	0	0	31.167	0	0	0	0
21 BEVERAGES	0	0	0	0	0	0	0	0
22 TEXTILE MILL PRO	8.054	6.951	0	0	0	0	0.001	0
23 WOOD,PAPER PROD	4.909	11.318	0	0.051	0.055	0.018	1.053	0
24 NEWS,PUBS,PRINT	94.568	3.825	0.848	43.270	0.006	0.003	0.012	1.604
25 CHEM,DRUG,REL PR	0.442	146.856	0	0	0	0	0	0
26 PETRO,REF,PROD	97.423	50.388	0	0.625	0	0	0.762	0
27 CLAY,CUT ST,SHEL	0.050	26.751	0	0	0	0	0.006	0
28 CEM,CONC PRODUCT	2.771	191.368	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0.570	0.740	0	0	0	0	0	0
30 FAB ST,OTH MET	0.173	2.279	0.001	0	0	0	0	0
31 MACH,PROC EQUIP	0.361	3.772	0	0	0	0	3.819	0
32 ELEC,ELECT EQUIP	1.770	8.679	0.009	0.001	0.001	0	0.492	4.025
33 TRANSPORTN EQUIP	0.448	0	0	193.721	0	0	12.134	0
34 OTHER MANUFACT	0.298	7.839	14.694	6.771	0.006	0.002	8.023	0
35 HWY MOT FR,WRHSG	90.949	0	14.361	28.947	110.777	0	3.545	1.965
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	0.657	0	87.834	0	0	0	91.427	0
38 OTH TRANSPORTN S	440.008	0	0	2.280	51.849	0	0	0
39 COMMUNICATIONS	409.404	40.684	387.363	970.343	54.503	21.639	984.686	272.818
40 GAS SERVICES	8343.912	0	11.132	77.499	83.475	1.361	24.052	963.179
41 ELECTRIC SERVICE	0	916.878	62.236	759.131	262.161	15.682	208.701	94.878
42 WATER,SANI SERVC	178.429	1208.871	15.527	108.738	0	2.521	56.460	9.366
43 WHLSE AUTO,PT,SU	5.201	0	1.291	0	0	0	49.041	0
44 WHLSE GROC REL	0	0	0	0	0	0	0	0
45 WHLSE FARM PRO	0	0	0	0	2.321	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	14.963	202.202	1.562	109.783	0	0	1.486	0
48 WHLSE PETRO,PROD	6.510	18.001	0	0	0	0	0	0
49 GEN WHLSE	24.710	16.603	0	0	0	8.844	0	0
50 RETAIL LUMBERYDS	1.888	0	0	0	0	0	0	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	7.099	0	0	0	0	0	0	0
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0	0
55 AUTO DEAL REP SH	318.558	0	0	0	0	0	0	0
56 GAS SER STATIONS	7.677	0	4.383	34.469	2.213	6.540	0	7.462
57 APPAREL ACES STO	0	0	0	0	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	2.504	0	0	0	0	13.065
60 ALL OTHER RETAIL	0	0	0	3.117	0	0	3.799	0	0
61 BANK CREDIT AGEN	282.200	0	191.436	209.672	8.211	76.223	1545.525	271.384	0
62 INS REAL EST FIN	232.691	38.842	35.862	32.873	0	101.364	42.847	0	0
63 LODGING SERVICES	0	0	0	0	0	0	0	0	0
64 PERSONAL SERVICE	0	0	0	5.947	0	0	0	0	0
65 ADV DUP ADD PHOT	74.234	8.477	47.974	647.299	0	72.228	129.177	25.956	0
66 MOTION PIC AMUSE	0	0	0	0	0	0	0	0	0
67 AUTO RENT PARK	1.817	0	0	1.481	0	0	0	9.277	0
68 MISCELL REP SERV	79.532	0	36.029	536.258	863.776	0	23.416	64.446	0
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	217.920	0	33.202	558.509	201.226	29.729	738.263	127.488	0
72 HOUSEHOLDS	9670.154	4461.512	5283.656	16619.314	1317.606	724.546	12351.786	7619.360	0
73 FEDERAL GOV	9643.220	109.727	703.567	1576.267	0	0	2210.028	154.717	0
74 STATE GOV	985.744	0	23.183	187.254	17.100	8.646	58.687	78.208	0
75 LOCAL GOV	2829.724	0	194.973	283.705	54.577	62.537	44.169	245.895	0
76 DEPRECIATION	7972.357	4071.918	17.136	1769.826	329.845	75.524	2750.629	1766.996	0
77 IMPORTS	2349.569	1495.757	457.047	12117.258	114.041	122.514	1621.276	1600.909	0
78 RESIDUAL	18730.168	630.678	6049.925	19168.660	459.020	232.728	1550.394	4991.029	0
TOTAL INPUTS	63256.398	14406.999	13675.231	56293.276	3932.769	1605.840	24515.696	18324.059	0

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	49	50	51	52	53	54	55	56
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0	0	0	0	0	0	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0	0	0	0	0
6 OTHER DRYLAND CR	0	0	0	0	0	0	0	0
7 RANGE,FEEDLOT,LV	0	0	0	0	0	0	0	0
8 DAIRY,POULTRY,EG	0	0	0	0	0	0	0	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0	0	0	0	0	0	0	0
17 MEAT PRODUCTS	0	0	0	0	0	0	0	0
18 DAIRY MANUFACT	0	0	0	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0	0	0	0	0	0	0
20 OTH FOOD,KIN PRO	0	0	0	0	0	2.059	0	0
21 BEVERAGES	0	0	0	0	0	0	0	0
22 TEXTILE MILL PRO	14.524	0.021	0	0	0	0	0	0
23 WOOD,PAPER PROD	9.936	1.528	0	0.016	21.730	10.315	0.144	0
24 NEWS,PUBS,PRINT	37.579	140.397	10.463	71.224	2649.209	1069.441	1341.097	10.125
25 CHEM,DRUG,REL PR	0	0	0	0	0	0	0	0
26 PETRO,REF,PROD	0.273	0	0	0	0	0	0	0
27 CLAY,CUT ST,SHEL	0	0	0	0	0.012	0	0	0
28 CEM,CONC PRODUCT	0	0	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0	0	0	0	0	0	0	0
30 FAB ST,OTH MET	0	0	0	0	0	0	7.355	0
31 MACH,PROC EQUIP	0	0.001	0	0.001	0.001	0.002	0	0
32 ELEC,ELECT EQUIP	0.350	0.104	0	0	0.241	0	0.013	0
33 TRANSPORTN EQUIP	0	0	0	0	0	0	0	0
34 OTHER MANUFACT	1.236	0.018	0	0	0.031	0.006	0.002	0.001
35 HWY MOT FR,WRHSG	31.973	0	0	48.834	193.405	1.596	877.877	0
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	0	0	0	0	2.357	0	0	0
38 OTH TRANSPORTN S	17.273	0	0	0	0	0	0	0
39 COMMUNICATIONS	1743.784	32.097	317.498	25.817	887.395	386.175	3833.499	0
40 GAS SERVICES	302.476	3.230	6.895	12.583	16.571	208.399	172.803	17.445
41 ELECTRIC SERVICE	1334.418	15.934	47.607	86.879	777.037	2019.220	1193.106	694.015
42 WATER,SANI SERVC	369.878	3.179	13.572	24.768	24.003	363.260	340.147	34.339
43 WHLSE AUTO,PT,SU	0	0	0	0	0	0	0	0
44 WHLSE GROC REL	0	0	0	0	0	0	0	0
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0	0	0	0	0	0	0	0
48 WHLSE PETRO,PROD	0	0	0	0	0	0	0	0
49 GEN WHLSE	403.608	0	0	0	0	0	0	0
50 RETAIL LUMBERYDS	0	0	0	0	0	0	0	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	177.887	0	0	0	0	0	0	0
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0	0
55 AUTO DEAL REP SH	0	0	0	0	0	0	0	0
56 GAS SER STATIONS	208.170	4.910	53.231	0	6.855	36.253	184.604	0
57 APPAREL ACES STO	0	0	0	0	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	0	3.671	0	0	0	0
60 ALL OTHER RETAIL	0	0	0	0	0	0	0	0	0
61 BANK CREDIT AGEN	1011.445	0	0	0	799.156	221.538	646.328	0	0
62 INS REAL EST FIN	606.937	0	0	0	1109.613	240.745	2528.391	0	0
63 LODGING SERVICES	0	0	0	0	1.770	0	0	0	0
64 PERSONAL SERVICE	18.573	0	0	0	0	0	0	0	0
65 ADV DUP ADD PHOT	809.495	0	28.584	0	1296.885	1.821	828.376	0	0
66 MOTION PIC AMUSE	0	0	0	0	0	0	0	0	0
67 AUTO RENT PARK	36.503	0	0	0	95.048	0	0	0	0
68 MISCELL REP SERV	342.092	6.126	98.987	0	198.456	1055.292	637.746	0	0
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	774.758	12.118	0	263.173	212.712	260.947	1734.683	545.268	0
72 HOUSEHOLDS	27960.248	1926.122	2222.806	3279.035	26099.132	26209.612	67096.688	9950.028	0
73 FEDERAL GOV	3342.961	25.211	289.718	183.441	5483.907	1518.476	3823.398	639.916	0
74 STATE GOV	551.909	58.180	122.194	54.283	279.653	254.538	201.895	0	0
75 LOCAL GOV	844.097	58.180	0	54.283	698.736	1001.448	778.139	58.174	0
76 DEPRECIATION	3674.155	29.090	394.176	238.193	1419.458	3290.776	2935.898	872.613	0
77 IMPORTS	33744.200	84.864	1016.250	64.110	2828.762	5409.682	8818.850	639.916	0
78 RESIDUAL	19418.152	16313.482	6918.147	524.244	14753.228	90516.512	36642.184	3430.035	0
TOTAL INPUTS	97788.890	18714.792	11540.128	4930.884	59859.034	134078.113	134623.223	16891.875	0

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	57	58	59	60	61	62	63	64
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0	0	0	0	0	194.207	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0	0	0	0	0
6 OTHER DRYLAND CR	0	0	0	0	0	0	0	0
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	138.473	69.323
8 DAIRY,POULTRY,EG	0	0	0	0	0	0	35.099	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0	0	0	0	277.674	941.401	1029.947	206.606
17 MEAT PRODUCTS	0	0	29.341	0	0	0	15.282	0
18 DAIRY MANUFACT	0	0	135.780	0	0	0	18.298	0
19 CAN,PRE,P,D,FROZ	0	0	30.409	0	0	0	456.423	0
20 OTH FOOD,KIN PRO	0	0	1312.879	0	0.026	0	46.835	0
21 BEVERAGES	0	0	133.523	0	0	228.357	15.944	21.329
22 TEXTILE MILL PRO	0	0.273	0.070	0	0.008	0.003	0.001	16.208
23 WOOD,PAPER PROD	0.001	1.553	3.906	0.791	1.486	2.596	83.129	1.000
24 NEWS,PUBS,PRINT	390.352	570.171	111.458	424.255	284.679	808.927	44.544	75.377
25 CHEM,DRUG,REL PR	0	0	0	0	0	0	0	0
26 PETRO,REF,PROD	0	0	0	160.906	0	0	8.413	0
27 CLAY,CUT ST,SHEL	0	0	0	0.003	0.003	0.199	0.004	0.134
28 CEM,CONC PRODUCT	0	0	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0	0	0	0	0	0	0	0
30 FAB ST,OTH MET	0	0	0	0	0.004	0.008	0.001	0
31 MACH,PROC EQUIP	0	0.002	0.001	0.921	0.048	0.092	0.016	3.090
32 ELEC,ELECT EQUIP	0	0.099	0.343	1.290	0.008	0.086	0.068	0.008
33 TRANSPORTN EQUIP	0	0	0	0	0	0	0	0
34 OTHER MANUFACT	0	0.018	0.050	0.032	0.028	0.027	0.231	31.597
35 HWY MOT FR,WRHSG	103.952	0	0	0	0	0	0	58.342
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	447.193	0	0	13.681	0	140.844	0	18.081
38 OTH TRANSPORTN S	90.618	0	0	0	18.997	0	0	0
39 COMMUNICATIONS	785.874	0	199.113	632.406	1394.003	1037.677	176.185	958.704
40 GAS SERVICES	17.259	34.351	60.261	94.070	62.621	140.557	48.778	254.256
41 ELECTRIC SERVICE	621.363	237.174	580.808	758.867	273.770	645.225	1245.951	936.400
42 WATER,SANI SERVC	25.480	67.616	243.550	148.787	49.453	104.656	945.893	139.002
43 WHLSE AUTO,PT,SU	0	0	0	0	0	0	0	0
44 WHLSE GROG REL	0	0	0	0	0	0	355.195	0
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0	0	22.517	0	0	0	3.074	0
48 WHLSE PETRO,PROD	0	0	0	95.995	0	0	0	0
49 GEN WHLSE	0	0	251.950	0	174.158	128.337	7.416	44.33
50 RETAIL LUMBERYDS	0	0	0	0	0	0	0	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0	0	0	0	0	0
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	806.000	0
55 AUTO DEAL REP SH	0	0	0	0	0	0	3.257	488.495
56 GAS SER STATIONS	10.201	0	15.794	0	0	53.813	0.539	10.111
57 APPAREL ACES STO	0	0	0	0	0	0	0	0



58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	7.104	0	467.148	0	0	0
60 ALL OTHER RETAIL	0	0	0	45.481	0	0	41.898	0	0
61 BANK CREDIT AGEN	522.347	518.740	276.008	1686.864	2998.505	3967.138	0	0	0
62 INS REAL EST FIN	762.099	200.726	1772.801	454.888	692.377	998.131	0	0	0
63 LODGING SERVICES	0	0	0	0	0	430.178	0	0	0
64 PERSONAL SERVICE	0	0	14.639	0	0	0	5.246	40.138	0
65 ADV DUP ADD PHOT	0	50.194	13.194	14.113	1469.494	1334.991	6.224	343.748	0
66 MOTION PIC AMUSE	0	0	0	0	3160.746	0	38.981	0	0
67 AUTO RENT PARK	0	0	0	0	0	13.291	0	0	0
68 MISCELL REP SERV	171.802	0	361.014	245.288	0	0	9.079	150.504	0
69 MEDICAL DENT SER	0	0	0	0	0	88.876	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	198.252	0	306.960	998.971	840.221	1554.699	157.148	248.487	0
72 HOUSEHOLDS	8041.031	5252.326	10897.836	19617.972	34915.864	18440.216	7420.526	10605.302	0
73 FEDERAL GOV	841.732	0	499.930	2173.342	6823.489	1120.936	620.741	401.938	0
74 STATE GOV	155.396	0	147.037	142.362	179.297	1796.245	565.963	244.339	0
75 LOCAL GOV	295.684	86.890	194.491	295.818	1005.384	1176.771	704.261	257.777	0
76 DEPRECIATION	278.849	462.399	644.225	1135.743	2135.724	2096.631	2639.446	1536.405	0
77 IMPORTS	1687.676	686.514	4058.896	3246.631	3773.304	1305.818	2548.276	10676.638	0
78 RESIDUAL	7843.195	700.016	19729.816	19013.492	43050.584	13426.064	4392.008	6201.930	0
TOTAL INPUTS	23290.356	8869.062	42048.600	51410.073	103581.955	52449.938	24829.000	34042.002	0

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	65	66	67	68	69	70	71
1 IRR COTTON	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0.011	0	0	0.448	36.693	43.258	0
4 DRYLAND COTTON	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0.003	0	0	0.325	0	0	0
6 OTHER DRYLAND CR	0.595	0	0	2.428	0	0	0
7 RANGE,FEEDLOT LV	0.001	0	0	0.083	15.410	34.885	0
8 DAIRY,POULTRY,EG	0.017	0	0	0.164	3.906	8.372	0
9 AG SUPPLY	0	0	0	0	0	0	0
10 GINNING	0.002	0	0	0.008	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	157.844	0	0
13 CR PET,NAT GAS,S	0	0	0	0.784	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0
16 FAC,OTH CONST	0	61.911	4.683	0	0	877.579	392.354
17 MEAT PRODUCTS	0.071	0	0	1.009	54.264	2877.883	0
18 DAIRY MANUFACT	0.013	0	0	0.238	58.600	3439.600	0
19 CAN,PRE,P,D,FROZ	0.034	0	0	0.170	75.822	3108.126	0
20 OTH FOOD,KIN PRO	0.138	2.251	0	1.091	23.600	1753.611	0.065
21 BEVERAGES	0.020	0	0	4.451	0	145.235	0
22 TEXTILE MILL PRO	0.006	0	0	1.107	0.003	8.757	0.098
23 WOOD,PAPER PROD	14.121	3.947	0	7.834	38.883	438.535	15.881
24 NEWS,PUBS,PRINT	322.406	420.367	0	5.382	175.764	342.918	208.832
25 CHEM,DRUG,REL PR	353.848	0	0	3.836	0	26.031	0
26 PETRO,REF,PROD	0.478	2.955	0	2.019	36.738	15.729	3.202
27 CLAY,CUT ST,SHEL	0.078	0.005	0	0.301	0.062	0.491	0.009
28 CEM,CONC PRODUCT	0	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0.374	0	0	1.295	0	0	0
30 FAB ST,OTH MET	1.610	0	0	10.214	0.008	1.440	0.003
31 MACH,PROC EQUIP	0.804	0	0	1.746	15.816	30.241	0.201
32 ELEC,ELECT EQUIP	1.281	0.001	0.809	22.487	2.047	60.798	0.087
33 TRANSPORTN EQUIP	0.019	0	0	0.081	0	2.446	0
34 OTHER MANUFACT	0.323	0.002	0.006	2.123	22.224	58.231	9.453
35 HWY MOT FR,WRHSG	1503.552	0	0	52.575	19.981	763.432	7.277
36 WATER TRANSPORTN	0	0	0	0	0	0	0
37 AIR TRANSPORTN	133.553	0	0	5.594	0	78.961	201.097
38 OTH TRANSPORTN S	0	0	0	374.508	0	37.310	1547.092
39 COMMUNICATIONS	769.337	125.909	63.935	145.624	1088.000	763.997	1088.365
40 GAS SERVICES	50.835	35.278	6.815	24.027	131.954	485.690	74.904
41 ELECTRIC SERVICE	325.440	456.902	2.184	179.902	961.981	2182.060	535.810
42 WATER,SANI SERVC	106.305	63.092	1.063	48.580	251.612	353.122	148.432
43 WHLSE AUTO,PT,SU	10.757	0	4.342	0.415	0	0	162.085
44 WHLSE GROC REL	0.257	0	0	1.484	1140.613	87.805	0
45 WHLSE FARM PRO	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0
47 WHLSE MAC	50.431	0	0	77.615	985.268	362.224	0
48 WHLSE PETRO,PROD	0.001	0	0	0.394	0	0	0
49 GEN WHLSE	99.719	2.503	1.093	203.838	540.845	762.178	375.560
50 RETAIL LUMBERYDS	0	0	0	0	0	0	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0	0	0	0	0
53 DEPART,VAR STORE	0	0	0	0	0	0	0
54 FOOD STORES	0.004	0	0	0.188	765.940	0	0
55 AUTO DEAL REP SH	47.964	0	94.532	17.415	17.697	0	58.904
56 GAS SER STATIONS	648.633	0	0	14.865	33.130	3.343	79.347
57 APPAREL ACES STO	0	0	0	0	15.996	0	0

58 FURNITURE HOME	0	0	0	0	24.998	0	0
59 EATING DRNK PLAC	32.442	0	0	7.574	0	0	54.834
60 ALL OTHER RETAIL	2.523	14.721	0	4.976	182.962	20.647	15.950
61 BANK CREDIT AGEN	1.726	0	0	11.415	0	16.245	0
62 INS REAL EST FIN	2.726	0	0	22.281	0	1127.248	5.504
63 LODGING SERVICES	25.598	0	0	3.151	0	0	0
64 PERSONAL SERVICE	0.007	57.671	0	10.993	777.237	77.773	0
65 ADV DUP ADD PHOT	708.029	5.481	2.111	68.458	168.357	403.477	618.870
66 MOTION PIC AMUSE	0.753	0	0	0	47.280	17.829	4.781
67 AUTO RENT PARK	66.355	0	0	14.864	0	65.504	6.183
68 MISCELL REP SERV	146.757	204.440	8.102	180.464	350.068	5.616	131.087
69 MEDICAL DENT SER	0	0	0	0	3047.587	0	0
70 EDUCATION	0	0	0	0	0	22.692	98.441
71 PROFESSIONAL SER	259.303	93.109	3.295	65.412	1073.541	156.706	861.079
72 HOUSEHOLDS	9814.016	2321.467	704.103	6039.687	20464.624	111996.048	32314.720
73 FEDERAL GOV	913.813	135.960	40.733	1042.531	1011.127	608.467	2391.438
74 STATE GOV	386.681	124.470	0	282.270	448.796	14.816	748.636
75 LOCAL GOV	357.021	107.475	44.945	197.710	910.926	29.830	637.990
76 DEPRECIATION	2821.364	359.931	180.408	511.186	1431.147	16178.188	3496.593
77 IMPORTS	7452.878	1301.485	996.496	3229.446	8152.962	8533.138	9330.438
78 RESIDUAL	6629.966	2695.661	504.333	2837.915	23124.788	690.163	30955.724
<b>TOTAL INPUTS</b>	<b>34064.999</b>	<b>8596.994</b>	<b>2663.988</b>	<b>15746.981</b>	<b>67887.101</b>	<b>159118.675</b>	<b>86581.326</b>

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	HOUSEHOLDS	FED GOV	STATE GOV	LOCAL GOV	CAPITAL FORAMTION	EXPORTS
1 IRR COTTON	0	24087.676	0	0	299.801	2621.776
2 IRRIGATED GRAINS	0	200.147	0	0	0	14608.836
3 VEG,CIT,OTH IRR	6773.099	0	0	0	200.000	47284.912
4 DRYLAND COTTON	0	17562.884	0	0	299.821	47273.568
5 DRYLAND FEED GRN	0	1481.085	0	0	199.992	27822.380
6 OTHER DRYLAND CR	3111.200	400.294	0	0	99.977	1204.003
7 RANGE,FEEDLOT LV	3700.000	300.220	0	0	299.997	29377.560
8 DAIRY,POULTRY,EG	6304.508	0	3.896	0	0	3599.946
9 AG SUPPLY	0	0	0	0	0	0
10 GINNING	32.482	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0
12 FISHERIES	2194.126	0	0	0	0	5142.941
13 CR PET,NAT GAS,S	0	0	0	0	0	350147.136
14 RES CONST,ALT,RE	0	0	0	0	64920.008	0
15 COM,ED,INST CONS	0	0	0	6947.515	50385.384	0
16 FAC,OTH CONST	0	2100.444	24724.956	24.578	41873.928	124261.024
17 MEAT PRODUCTS	16281.992	0	0	0	0	8178.240
18 DAIRY MANUFACT	15044.246	24.198	93.983	0	0	2467.603
19 CAN,PRE,P,D,FROZ	888.235	220.877	295.227	0	0	75325.280
20 OTH FOOD,KIN PRO	8426.058	18.840	344.366	0	0	60362.448
21 BEVERAGES	13686.514	0	0	0	0	0
22 TEXTILE MILL PRO	409.538	0	87.150	991.336	0	7857.240
23 WOOD,PAPER PROD	1995.412	514.511	121.707	0	121.520	1716.464
24 NEWS,PUBS,PRINT	4666.545	0.002	0	0	0	1383.849
25 CHEM,DRUG,REL PR	2929.667	2437.368	322.870	106.384	0	121026.784
26 PETRO,REF,PROD	30341.876	60420.928	466.313	0	0	368274.624
27 CLAY,CUT ST,SHEL	2.722	0	12.505	0	18.310	24.284
28 CEM,CONC PRODUCT	60.098	0	13.182	0	276.768	572.237
29 PRI MET,FOUND,FG	1905.956	302.565	0	0	4.368	97213.104
30 FAB ST,OTH MET	247.557	64.848	47.664	0	2014.063	1324.098
31 MACH,PROC EQUIP	42.712	145.779	374.050	0	5701.393	4577.674
32 ELEC,ELECT EQUIP	38.229	41.111	200.583	816.292	53.623	700.892
33 TRANSPORTN EQUIP	314.958	0	0.830	0	0	0
34 OTHER MANUFACT	856.016	269.426	261.942	0	179.944	1642.466
35 HWY MOT FR,WRHSG	7823.849	833.053	278.759	0	358.112	0
36 WATER TRANSPORTN	0	0	0	0	186.360	0
37 AIR TRANSPORTN	5740.037	1321.112	2.675	14.876	68.934	1296.176
38 OTH TRANSPORTN S	16665.342	848.752	1.742	0	830.337	21733.048
39 COMMUNICATIONS	21934.644	2060.000	658.102	28.108	510.226	3235.798
40 GAS SERVICES	5733.281	1272.924	48.555	8.513	0	318332.480
41 ELECTRIC SERVICE	23569.992	875.670	282.200	29.429	0	0
42 WATER,SANI SERVC	6547.556	1167.158	44.385	4.227	0	0
43 WHLSE AUTO,PT,SU	8075.787	0	0	0	557.447	2121.109
44 WHLSE GROC REL	14080.632	0	0	0	2892.401	36322.720
45 WHLSE FARM PRO	7.421	0	0	0	0	1030.120
46 WHLSE LIVESTOCK	94.049	0	0	0	0	0
47 WHLSE MAC	12438.876	0	18.016	0	1808.354	4356.346
48 WHLSE PETRO,PROD	7547.680	114.886	6.930	0	0	6019.253
49 GEN WHLSE	57597.016	55.106	22.861	82.475	5001.870	9313.044
50 RETAIL LUMBERYDS	17150.328	0	0	0	797.432	0
51 FARM EQUIP DEAL	0	0	0	0	7028.173	0
52 HRDW,HEAT,ELECT	3127.043	0	0	0	162.245	0
53 DEPART,VAR STORE	57886.152	0	0	0	1972.688	0
54 FOOD STORES	89735.312	0	0	0	4414.037	37636.416
55 AUTO DEAL REP SH	84014.576	0	0	15.069	18802.504	20725.980
56 GAS SER STATIONS	9123.398	0	0	22.311	436.884	1990.242
57 APPAREL ACES STO	15156.116	0	0	0	0	8115.203

58 FURNITURE HOME	7663.157	0	0	0	292.033	886.912
59 EATING DRNK PLAC	34264.160	0	0	7.640	0	7136.001
60 ALL OTHER RETAIL	37212.088	0	1.106	0	8425.876	5135.958
61 BANK CREDIT AGEN	56691.880	0	0	18344.528	0	0
62 INS REAL EST FIN	12309.278	130.491	168.392	759.414	224.832	0
63 LODGING SERVICES	5.330	0	0	11.174	0	24181.588
64 PERSONAL SERVICE	31974.704	124.282	0.056	0	0	0
65 ADV DUP ADD PHOT	9029.380	562.617	193.910	15.990	0	519.658
66 MOTION PIC AMUSE	4878.319	0	0	0	0	428.319
67 AUTO RENT PARK	505.986	1.159	0.219	6.856	0	632.883
68 MISCELL REP SERV	6304.355	98.339	34.417	0	0	0
69 MEDICAL DENT SER	63754.640	42.583	14.988	0	0	918.896
70 EDUCATION	150369.408	8592.506	0	0	0	0
71 PROFESSIONAL SER	35287.976	1009.376	43.289	0	771.507	27649.328
72 HOUSEHOLDS	16254.196	333279.104	54305.712	13501.064	0	0
73 FEDERAL GOV	238461.216	2.012	202.175	0	0	0
74 STATE GOV	5822.428	37059.960	0	0	0	0
75 LOCAL GOV	83167.328	7024.153	41530.872	0	0	0
76 DEPRECIATION	0	0	0	135.815	0	0
77 IMPORTS	361125.696	1227.835	2161.710	30649.428	0	0
78 RESIDUAL	14861.798	0	0	0	0	0
<b>TOTAL INPUTS</b>	<b>1754246.156</b>	<b>508296.281</b>	<b>127392.295</b>	<b>72523.022</b>	<b>222491.149</b>	<b>2005708.847</b>

TRANSACTIONS TABLE : LOWER RIO GRANDE ,TEXAS, 1967 (THOUSAND DOLLARS)

	NET INV CHANGE	TOTAL FINAL DMEAND	TOTAL OUTPUTS
1 IRR COTTON	-30959.500	56049.753	59300.024
2 IRRIGATED GRAINS	0	14808.983	15800.003
3 VEG,CIT,OTH IRR	0	54258.011	63200.022
4 DRYLAND COTTON	-22496.604	42639.669	43100.020
5 DRYLAND FEED GRN	-59.997	29443.460	34600.009
6 OTHER DRYLAND CR	0	4815.474	7100.000
7 RANGE,FEEDLOT LV	3999.971	37677.748	62000.038
8 DAIRY,POULTRY,EG	0	9908.350	18990.009
9 AG SUPPLY	0	0	3147.193
10 GINNING	0	32.482	4681.990
11 AG SERVICES	0	0	15566.000
12 FISHERIES	0	7337.067	28080.008
13 CR PET,NAT GAS,S	0	350147.136	907850.077
14 RES CONST,ALT,RE	0	64920.008	64920.028
15 COM,ED,INST CONS	0	57332.899	57403.012
16 FAC,OTH CONST	0	192984.930	212515.155
17 MEAT PRODUCTS	86.817	24547.049	28197.585
18 DAIRY MANUFACT	199.328	17829.358	21652.204
19 CAN,PRE,P,D,FROZ	6710.092	83439.711	87481.095
20 OTH FOOD,KIN PRO	-571.050	68580.662	84789.605
21 BEVERAGES	248.906	13935.420	14525.054
22 TEXTILE MILL PRO	-982.292	8362.972	10833.966
23 WOOD,PAPER PROD	-31.909	4437.705	12763.771
24 NEWS,PUBS,PRINT	-243.691	5806.705	17231.699
25 CHEM,DRUG,REL PR	7343.619	134166.692	175383.988
26 PETRO,REF,PROD	1334.121	460837.862	488484.049
27 CLAY,CUT ST,SHEL	-2.173	55.648	1448.419
28 CEM,CONC PRODUCT	47.971	970.256	14670.698
29 PRI MET,FOUND,FG	170.299	99596.292	100902.278
30 FAB ST,OTH MET	98.061	3796.291	10219.215
31 MACH,PROC EQUIP	347.946	11189.554	22766.659
32 ELEC,ELECT EQUIP	3.925	1854.655	2728.323
33 TRANSPORTN EQUIP	12.943	328.731	7706.443
34 OTHER MANUFACT	62.699	3272.493	6008.749
35 HWY MOT FR,WRHSG	0	9293.773	21819.319
36 WATER TRANSPORTN	0	186.360	26539.469
37 AIR TRANSPORTN	0	8443.810	12427.331
38 OTH TRANSPORTN S	0	40079.221	63967.878
39 COMMUNICATIONS	0	28426.878	58599.507
40 GAS SERVICES	347.556	325743.309	352824.300
41 ELECTRIC SERVICE	0	24757.291	63256.398
42 WATER,SANI SERVC	0	7763.326	14406.999
43 WHLSE AUTO,PT,SU	0	10754.343	13675.231
44 WHLSE GROC REL	0	53295.753	56293.276
45 WHLSE FARM PRO	0	1037.541	3932.769
46 WHLSE LIVESTOCK	0	94.049	1605.840
47 WHLSE MAC	0	18621.592	24515.696
48 WHLSE PETRO,PROD	0	13688.749	18324.059
49 GEN WHLSE	0	72072.372	97788.890
50 RETAIL LUMBERYDS	0	17947.760	18714.792
51 FARM EQUIP DEAL	0	7028.173	11540.128
52 HRDW,HEAT,ELECT	0	3289.288	4930.884
53 DEPART,VAR STORE	0	59858.840	59859.034
54 FOOD STORES	0	131785.765	134078.113
55 AUTO DEAL REP SH	0	123558.129	134623.223
56 GAS SER STATIONS	0	11572.835	16891.875
57 APPAREL ACES STO	0	23271.319	23290.356

58 FURNITURE HOME	0	8842.102	8869.062
59 EATING DRNK PLAC	0	41407.801	42048.600
60 ALL OTHER RETAIL	0	50775.028	51410.073
61 BANK CREDIT AGEN	0	75036.408	103581.955
62 INS REAL EST FIN	0	13592.407	52449.938
63 LODGING SERVICES	0	24198.092	24829.000
64 PERSONAL SERVICE	0	32099.042	34042.002
65 ADV DUP ADD PHOT	0.161	10321.716	34064.999
66 MOTION PIC AMUSE	0	5306.638	8596.994
67 AUTO RENT PARK	0	1147.103	2663.988
68 MISCELL REP SERV	-65.016	6372.095	15746.981
69 MEDICAL DENT SER	0	64731.107	67887.101
70 EDUCATION	0	158961.914	159118.675
71 PROFESSIONAL SER	0	64761.476	86581.326
72 HOUSEHOLDS	0	417340.076	1754246.156
73 FEDERAL GOV	0	238665.403	398386.390
74 STATE GOV	0	42882.388	105331.211
75 LOCAL GOV	0	131722.353	184765.607
76 DEPRECIATION	0	135.815	285918.467
77 IMPORTS	0	395164.669	1132870.084
78 RESIDUAL	0	14861.798	794740.359
<hr/>			
TOTAL INPUTS	-34397.817	4656259.933	9288103.382



TABLE XIII, APPENDIX B DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	1	2	3	4	5	6	7	8
1 IRR COTTON	0.00599561	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0.00628006	0	0.01384393	0	0	0
3 VEG,CIT,OTH IRR	0	0	0.00193513	0	0	0	0	0
4 DRYLAND COTTON	0	0	0	0.00470765	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0	0	0	0.02273224	0.10622954
6 OTHER DRYLAND CR	0	0	0	0	0	0.02104225	0.00048387	0.08726168
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	0.16539348	0
8 DAIRY,POULTRY,EG	0	0	0	0	0	0	0	0
9 AG SUPPLY	0.01328426	0.00960607	0.01538737	0.01215106	0.01383630	0.01467704	0.00168390	0.00127088
10 GINNING	0.04215850	0	0	0.04408351	0	0	0	0
11 AG SERVICES	0.08870150	0.10253163	0.03088607	0.04153130	0.05549132	0.04563380	0.03161288	0.03896786
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0.00809443	0.00759494	0.00944620	0.00742459	0.00924855	0.00802817	0.00979032	0.01053185
17 MEAT PRODUCTS	0	0	0	0	0	0	0	0
18 DAIRY MANUFACT	0	0	0	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0	0	0	0	0	0	0
20 OTH FOOD,KIN PRO	0	0	0	0	0	0	0.06867094	0.18257495
21 BEVERAGES	0	0	0	0	0	0	0	0
22 TEXTILE MILL PRO	0.00836425	0	0	0.00829466	0	0.01088732	0	0
23 WOOD,PAPER PROD	0.00057673	0.00054430	0	0.00059629	0.00074277	0.00711268	0.00695483	0.0011744
24 NEWS,PUBS,PRINT	0	0	0	0	0	0	0.00000968	0
25 CHEM,DRUG,REL PR	0.08207924	0.06179113	0.08690663	0.07278883	0.08833813	0.06985915	0.01246290	0.0091005
26 PETRO,REF,PROD	0.02727655	0.05422151	0.01363132	0.02919024	0.06839305	0.02050704	0.00010645	0.0214339
27 CLAY,CUT ST,SHEL	0	0	0	0	0	0	0	0
28 CEM,CONC PRODUCT	0	0	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0	0.00093671	0	0.00492575	0	0	0	0
30 FAB ST,OTH MET	0.00144182	0	0.00306487	0.00177958	0.00171676	0.00101408	0.00144355	0.00164824
31 MACH,PROC EQUIP	0.03124619	0.06314556	0.01052373	0.03401391	0.07924564	0.01052113	0.00021935	0.00391365
32 ELEC,ELECT EQUIP	0.00040978	0.00064557	0.00018829	0.00037355	0.00094798	0.00014085	0.00004677	0.0001058
33 TRANSPORTN EQUIP	0	0	0	0	0	0	0	0
34 OTHER MANUFACT	0.00190556	0.00290506	0.01670411	0.00193039	0.00391329	0.00095775	0.00040484	0.00154818
35 HWY MOT FR,WRHSG	0	0	0	0	0	0	0.01999999	0.0405764
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	0	0	0	0	0	0	0	0
38 OTH TRANSPORTN S	0	0	0	0	0	0	0	0
39 COMMUNICATIONS	0.00236088	0.00253165	0.00270570	0.00208817	0.00289017	0.00239437	0.00138710	0.0031956
40 GAS SERVICES	0	0	0	0	0	0	0.00017742	0.0010319
41 ELECTRIC SERVICE	0.00236088	0.00253165	0.00270570	0.00208817	0.00289017	0.00239437	0.00150000	0.00184887
42 WATER,SANI SERVC	0	0	0	0	0	0	0	0
43 WHLSE AUTO,PT,SU	0.00327656	0.00536076	0.00146994	0.00328074	0.00663873	0.00119718	0.00036935	0
44 WHLSE GROD REL	0	0	0	0	0	0	0	0
45 WHLSE FARM PRO	0.00106239	0.00258861	0.00224683	0.00131554	0.00386705	0.00587324	0.01614676	0.0723437
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0.02258063	0.0058731
47 WHLSE MAC	0	0	0.00784335	0	0	0	0	0
48 WHLSE PETRO,PROD	0.00088533	0.01684177	0.00423418	0.00906728	0.02124566	0.00636620	0.00003226	0.0066440
49 GEN WHLSE	0.02508937	0.01688607	0.02418354	0	0.02385259	0.02325352	0.00542580	0.0080213
50 RETAIL LUMBERYDS	0.00030185	0.00089240	0	0	0.00034682	0.00059155	0.00660000	0.0026437
51 FARM EQUIP DEAL	0.01479089	0.02989240	0.00482437	0.01610208	0.03751733	0.00497183	0.00010323	0.0018387
52 HRDW,HEAT,ELECT	0.00342327	0.00429747	0.00816930	0.00368909	0.00489595	0.00395775	0.00215484	0.0053492
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0	0
55 AUTO DEAL REP SH	0.01525294	0.01750633	0.01449050	0.01433642	0.02054046	0.01135211	0.00645000	0.0291930
56 GAS SER STATIONS	0.00978077	0.01944303	0.00488766	0.01046635	0.02452312	0.00735211	0.00003871	0.0076952
57 APPAREL ACES STO	0	0	0	0	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	0	0	0	0	0	0
60 ALL OTHER RETAIL	0	0	0	0	0	0	0	0	0
61 BANK CREDIT AGEN	0.01905564	0.02025316	0.02898733	0.01693735	0.02601155	0.03000000	0.02030644	0.01579778	
62 INS REAL EST FIN	0.05413151	0.05443037	0.05757909	0.05266819	0.05751444	0.05915493	0.04349997	0.06161135	
63 LODGING SERVICES	0	0	0	0	0	0	0	0	0
64 PERSONAL SERVICE	0	0	0	0	0	0	0	0	0
65 ADV DUP ADD PHOT	0.00067454	0.00063291	0.00068038	0.00046404	0.00086705	0.00056338	0.00032258	0	0
66 MOTION PIC AMUSE	0	0	0	0	0	0	0	0	0
67 AUTO RENT PARK	0	0	0	0	0	0	0	0	0
68 MISCELL REP SERV	0.00067454	0.00009494	0.00082278	0.00069606	0.00086705	0.00070423	0.00038710	0.00789889	
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	0	0	0	0	0	0	0	0	0
72 HOUSEHOLDS	0.37940484	0.21746717	0.42057713	0.44432750	0.19096593	0.19258437	0.44430418	-0.11019895	
73 FEDERAL GOV	0.00323944	0.00759494	0.03250002	0.00373218	0.01011560	0.02098592	0.00500929	0.01053185	
74 STATE GOV	0.00068199	0.00063291	0.00068038	0.00046652	0.00086705	0.00056338	0.00029816	0.00052659	
75 LOCAL GOV	0.04040789	0.03860759	0.04574369	0.03662202	0.04653181	0.03943662	0.02003715	0.05265932	
76 DEPRECIATION	0.07143842	0.09740511	0.08594467	0.06757584	0.12034691	0.08763380	0.03050298	0.10205382	
77 IMPORTS	0.04017164	0.14018630	0.05376970	0.05028515	0.06098683	0.28828789	0.03035006	0.20705361	
78 RESIDUAL	0	0	0	0	0	0	0	0	0
TOTAL	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	9	10	11	12	13	14	15	16
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0	0.00015566	0.00055616	0.00000002	0	0	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0	0.00016356	0	0	0	0	0
6 OTHER DRYLAND CR	0	0	0	0	0	0	0	0
7 RANGE,FEEDLOT LV	0	0	0.00000251	0.02094123	0	0	0	0
8 DAIRY,POULTRY,EG	0	0	0.03812649	0	0	0	0	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0.01094893	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0.00046589	0	0.07365492	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0	0.10351005	0	0	0.00157368	0.00083515	0.00141700	0.01414286
17 MEAT PRODUCTS	0	0	0.00006514	0	0	0	0	0
18 DAIRY MANUFACT	0	0	0.00000822	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0	0.00003688	0.00079936	0.00000003	0	0	0
20 OTH FOOD,KIN PRO	0	0	0.00374290	0.03114728	0	0	0	0
21 BEVERAGES	0	0	0.00094803	0	0	0	0	0
22 TEXTILE MILL PRO	0.00299219	0.00663350	0.00019401	0.00840196	0	0.00492842	0.00083091	0.00021065
23 WOOD,PAPER PROD	0.00130021	0.00003396	0.06703270	0	0.00018925	0.01657786	0.00272012	0.01351981
24 NEWS,PUBS,PRINT	0.00231285	0.00074157	0.00000848	0	0.00003025	0.00744451	0.00001867	0.00021708
25 CHEM,DRUG,REL PR	0	0	0.15534980	0.00107589	0.00162687	0.01707049	0.01295768	0.00401757
26 PETRO,REF,PROD	0.00011312	0.00931954	0.03716285	0.02827083	0.00873989	0.00829042	0.01965517	0.01241968
27 CLAY,CUT ST,SHEL	0.00000604	0	0.00001426	0.00000331	0.00000042	0.00481780	0.00194662	0.00041830
28 CEM,CONC PRODUCT	0	0	0.00000867	0	0	0.01735557	0.03055023	0.04821999
29 PRI MET,FOUND,FG	0	0	0.00003039	0	0	0	0	0.00021975
30 FAB ST,OTH MET	0	0.00002606	0.00003662	0.00371887	0.00006529	0.00322816	0.01255338	0.01971166
31 MACH,PROC EQUIP	0	0.00006984	0.01346730	0.00001774	0.00079662	0.00143569	0.00928678	0.00221218
32 ELEC,ELECT EQUIP	0.00000127	0.00000085	0.00005499	0.00101877	0.00017095	0.00077700	0.00114914	0.00041223
33 TRANSPORTN EQUIP	0	0.00477532	0.00000495	0.08177092	0	0.00061295	0.00215501	0.02181513
34 OTHER MANUFACT	0.00024562	0.00000128	0.00014101	0.00000709	0.00000061	0.00065846	0.00011083	0.00011339
35 HWY MOT FR,WRHSG	0.00001144	0.01113116	0.00067866	0.00024067	0.00269281	0.00051987	0.00052483	0.00025197
36 WATER TRANSPORTN	0	0	0	0	0.02034254	0	0	0
37 AIR TRANSPORTN	0	0	0.00423224	0	0.00132272	0	0	0
38 OTH TRANSPORTN S	0.00002987	0	0	0	0.00012155	0.00010550	0.00011458	0.00001030
39 COMMUNICATIONS	0.01100155	0.00662090	0.00640878	0.00258052	0.00262111	0.00665493	0.00398392	0.00521290
40 GAS SERVICES	0.00084869	0.01080844	0.00069176	0.00029972	0.00054131	0.00128905	0.00003298	0.00021733
41 ELECTRIC SERVICE	0.01423237	0.05651379	0.00340267	0.00127119	0.00228150	0.00208680	0.00187006	0.00191356
42 WATER,SANI SERVC	0.00334139	0.00010508	0.00148394	0.00085545	0.00004223	0.00059219	0.00040467	0.00021788
43 WHLSE AUTO,PT,SU	0	0	0.00004266	0	0	0	0	0
44 WHLSE GROC REL	0	0	0.00000315	0	0	0	0	0
45 WHLSE FARM PRO	0	0	0.00006238	0	0	0	0.00000347	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0	0	0.00219510	0.01480662	0.00193198	0	0	0
48 WHLSE PETRO,PROD	0	0.00589600	0.00429173	0.01788116	0.00044561	0.00001269	0	0.00001246
49 GEN WHLSE	0.16713338	0.00358331	0.00106045	0.00006375	0.00033786	0.02248796	0.00012163	0.04691559
50 RETAIL LUMBERYDS	0	0	0.00005204	0	0.00002673	0	0	0.00061996
51 FARM EQUIP DEAL	0	0	0.05065913	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0	0	0.00001777	0	0	0.00001361
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0.00013947	0.02553393	0.00000112	0	0	0
55 AUTO DEAL REP SH	0	0.01029349	0.00020943	0.00075848	0.00093480	0.00127229	0.00391861	0.01511961
56 GAS SER STATIONS	0.00171995	0	0.00030040	0	0.00031744	0.00212615	0.00261497	0.00161520
57 APPAREL ACES STO	0	0	0.00012637	0	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0.00000210	0	0	0
59 EATING DRNK PLAC	0	0	0.00031170	0	0.00002559	0	0	0
60 ALL OTHER RETAIL	0	0	0.00013298	0	0.00003779	0.00071933	0.00111546	0.00049231
61 BANK CREDIT AGEN	0.01060151	0.02978392	0.00354356	0.00008636	0.00001930	0.04470135	0.00770949	0.00495207
62 INS REAL EST FIN	0.01463463	0.01463972	0.00249608	0.00036549	0.00222423	0.01676059	0.01018675	0.01239307
63 LODGING SERVICES	0	0	0.00380856	0	0.00008395	0	0	0
64 PERSONAL SERVICE	0	0	0.00001105	0	0.00021395	0.00023766	0.00064789	0.00028487
65 ADV DUP ADD PHOT	0	0.01400430	0.04153681	0.00062464	0.00535465	0.00582700	0.00343355	0.00497489
66 MOTION PIC AMUSE	0	0	0	0	0	0	0	0
67 AUTO RENT PARK	0	0	0	0.00870673	0	0	0	0
68 MISCELL REP SERV	0.00643748	0	0.00468926	0	0.00168712	0.00057368	0.00139555	0.00023690
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	0.05252998	0.00972279	0.00364750	0.00592991	0.00130493	0.02014908	0.00461822	0.01023112
72 HOUSEHOLDS	0.40304074	0.40048954	0.18919697	0.40394696	0.35572633	0.37526096	0.37332389	0.42521978
73 FEDERAL GOV	0.00619854	0.03395906	0.02467333	0.02464978	0.04837406	0.02368536	0.07433349	0.05764371
74 STATE GOV	0.00424569	0.00873325	0.00242484	0.00389790	0.04839412	0.00583908	0.00527375	0.00701630
75 LOCAL GOV	0.00789688	0.01855984	0.00254529	0.00265356	0.01079382	0.00814525	0.00391657	0.00396000
76 DEPRECIATION	0.02784354	0.18046664	0.01770243	0.10465709	0.12011585	0.01109171	0.00871176	0.09305878
77 IMPORTS	0.07853665	0.05957680	0.24111339	0.19151177	0.11942562	0.36582905	0.39639237	0.16325556
78 RESIDUAL	0.18274443	0	0.06890460	0	0.16538872	0	0	0
TOTAL	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	17	18	19	20	21	22	23	24
1 IRR COTTON	0.00004316	0	0	0.03394087	0	0.00144582	0	0
2 IRRIGATED GRAINS	0	0	0	0.00135763	0	0.00000037	0	0
3 VEG,CIT,OTH IRR	0.00000163	0.00012336	0.09622173	0.00085222	0.00104241	0.00001514	0.00000110	0.00000023
4 DRYLAND COTTON	0	0	0	0.00303624	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0.02036451	0	0.00000120	0	0.00000006
6 OTHER DRYLAND CR	0	0	0.00104888	0.00328094	0	0	0.00000118	0.00000058
7 RANGE,FEEDLOT LV	0.45543567	0.00011043	0.00263795	0.00144389	0.00163600	0	0.00000008	0
8 DAIRY,POULTRY,EG	0.02925775	0.34670009	0.00066866	0.00054784	0.00020730	0.00000018	0.00000266	0.00000186
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0.00292846	0	0.00011039	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0.23178763	0.00000729	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0.00000296
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0.00003416	0	0	0	0
16 FAC,OTH CONST	0	0	0.00040313	0.00363691	0	0.00031115	0.00029662	0.00015181
17 MEAT PRODUCTS	0.02058251	0	0.00079777	0.00021155	0	0.00000065	0.00000791	0.00000221
18 DAIRY MANUFACT	0	0.00780281	0	0.00001041	0	0	0.00000086	0.00000012
19 CAN,PRE,P,D,FROZ	0.00000121	0.00051302	0.00096705	0.00051486	0.00000874	0.00000028	0.00000439	0.00000029
20 OTH FOOD,KIN PRO	0	0.00304357	0.00109957	0.04449116	0.00019449	0.00000009	0.00523223	0.00000580
21 BEVERAGES	0	0	0	0.00015299	0.00028441	0.00000028	0.00002484	0.00000259
22 TEXTILE MILL PRO	0	0	0	0.00382705	0.00000007	0.02767343	0.00216073	0.00021188
23 WOOD,PAPER PROD	0.00000050	0.00036768	0.00357353	0.00560525	0.00002885	0.00165923	0.00790738	0.00429940
24 NEWS,PUBS,PRINT	0.00000777	0.00012165	0.00157436	0.00012686	0.00163731	0.00005243	0.00128442	0.00030628
25 CHEM,DRUG,REL PR	0	0	0.00024160	0.00000123	0.00113576	0.00000055	0.00392361	0.00010724
26 PETRO,REF,PROD	0.00166759	0.00276332	0.00000999	0.00057686	0.00000936	0.00001025	0.00002562	0.00019551
27 CLAY,CUT ST,SHEL	0.00000089	0.00000028	0	0.00000314	0.00065769	0.00000083	0.00000486	0.00000110
28 CEM,CONC PRODUCT	0	0	0	0.00000290	0	0	0	0.00000122
29 PRI MET,FOUND,FG	0	0	0	0.00000809	0	0	0.00001261	0.00000331
30 FAB ST,OTH MET	0	0	0	0.00010563	0	0.00000074	0.00021757	0.00062490
31 MACH,PROC EQUIP	0.00000007	0.00000074	0	0.00000117	0	0.00000083	0.00000548	0.00002745
32 ELEC,ELECT EQUIP	0.00000018	0.00000106	0	0.00001467	0.00000041	0.00001218	0.00000329	0.00000758
33 TRANSPORTN EQUIP	0	0	0	0.00000099	0	0.00000046	0.00000885	0.00000580
34 OTHER MANUFACT	0.00000709	0.00061153	0.00011188	0.00047809	0.00000007	0.00009230	0.00012253	0.00016296
35 HWY MOT FR,WRHSG	0.00002192	0	0.00051987	0.00127387	0.00246980	0.00062793	0.00729996	0.00826912
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0.00043637
37 AIR TRANSPORTN	0	0	0	0	0	0.00017713	0.00018952	0.00000261
38 OTH TRANSPORTN S	0.00011473	0	0	0.02003468	0	0.04277566	0.01257254	0.00690437
39 COMMUNICATIONS	0.00472126	0.00121623	0.00217510	0.00654361	0.00980733	0.00741040	0.00852217	0.00649408
40 GAS SERVICES	0.00091157	0	0.00179152	0.00270874	0.00159469	0.00131817	0.00045504	0.00000079
41 ELECTRIC SERVICE	0.00497908	0	0.00721905	0.01436617	0.00713436	0.00445580	0.00413726	0.00649559
42 WATER,SANI SERVC	0.00055611	0	0.00167897	0.00096363	0.00235428	0.00058030	0.00037802	0.00005793
43 WHLSE AUTO,PT,SU	0.00041482	0	0	0.00067233	0.00004757	0.00000009	0.00000689	0.00000104
44 WHLSE GROC REL	0	0.00013999	0.01156395	0.00426572	0.00211008	0.00000037	0.00000149	0.00000093
45 WHLSE FARM PRO	0	0	0.00026190	0.00014694	0	0.00000618	0.00022760	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0.00597150	0	0.00044386	0.00003097	0	0.00000738	0.00021365	0.00149265
48 WHLSE PETRO,PROD	0.00105403	0.00174777	0.00000631	0.00036483	0	0.00000009	0.00000454	0.00000845
49 GEN WHLSE	0.00024392	0.00001584	0.00012677	0.00120041	0.00126354	0.00127479	0.00146399	0.00452103
50 RETAIL LUMBERYDS	0.00006235	0	0.00002765	0.00003119	0	0	0.00215532	0.00000035
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0.00002197	0.00000330	0	0	0.00004944	0.00000035
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0.00000917
54 FOOD STORES	0	0	0	0	0	0	0.00000024	0.00000017
55 AUTO DEAL REP SH	0.00078606	0.00376553	0	0.00017375	0.00237121	0.00000858	0.00013523	0.00000567
56 GAS SER STATIONS	0.00069885	0	0.00017261	0.00012195	0.00151958	0.00019817	0.00039001	0.00017402
57 APPAREL ACES STO	0	0	0	0	0	0	0	0.00000012

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	0.00003279	0	0.00000434	0.00005586	0.00000534	0
60 ALL OTHER RETAIL	0.00000557	0	0	0.00000124	0.00004668	0.00000046	0.00011697	0.00045086	0
61 BANK CREDIT AGEN	0	0	0.00001091	0.00001238	0	0.00001698	0	0.00000342	0
62 INS REAL EST FIN	0	0	0	0.00001628	0	0.00002926	0.00009511	0.00004718	0
63 LODGING SERVICES	0	0	0	0.00009899	0	0.00001763	0.00014565	0.00002536	0
64 PERSONAL SERVICE	0.00297784	0	0.00003732	0.00029203	0	0	0.00010757	0.00008577	0
65 ADV DUP ADD PHOT	0.00050380	0	0.00064767	0.00385438	0.01087638	0.00003747	0.00255849	0.00723579	0
66 MOTION PIC AMUSE	0	0	0	0	0	0.00000018	0	0.00000215	0
67 AUTO RENT PARK	0.00096927	0	0.00047479	0.00515968	0	0.00000895	0.00003800	0.00649489	0
68 MISCELL REP SERV	0.00468735	0.00076292	0	0.00057335	0	0.00003784	0.00059442	0.00243226	0
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0.00000075	0
70 EDUCATION	0	0	0	0	0.00125349	0.00000129	0	0.00012512	0
71 PROFESSIONAL SER	0.00146257	0	0.00043308	0.00117570	0.00384515	0.00174802	0.00154132	0.00836754	0
72 HOUSEHOLDS	0.09136396	0.17063164	0.12505703	0.15997308	0.30508857	0.41376777	0.16021010	0.38509639	0
73 FEDERAL GOV	0.00755625	0.00596946	0.00952135	0.01855262	0.00905931	0.01907076	0.01161929	0.06594475	0
74 STATE GOV	0.00178998	0.00210108	0.00098091	0.00255682	0.00330463	0.00664438	0.00140233	0.00279462	0
75 LOCAL GOV	0.00280524	0.00155910	0.00385436	0.00687140	0.00308240	0.00336580	0.00364265	0.00802080	0
76 DEPRECIATION	0.01729155	0.01113623	0.00988169	0.01930365	0.09244909	0.01452174	0.01036637	0.02767893	0
77 IMPORTS	0.34241400	0.26105361	0.31488426	0.39752826	0.35845726	0.54676884	0.59435852	0.34616639	0
78 RESIDUAL	-0.00136959	0.17774107	0.16706339	0.20353141	0.17502172	-0.09627158	0.15369564	0.07852250	0
TOTAL	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000



DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	25	26	27	28	29	30	31	32
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0.00000104	0	0.00000069	0	0	0.00000049	0.000082920	0.00000880
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0.00000006	0	0	0	0	0	0.000000861	0.00000660
6 OTHER DRYLAND CR	0.00000733	0	0.00001381	0	0	0.00000049	0.00002354	0.00000403
7 RANGE,FEEDLOT LV	0.00000051	0	0	0	0	0.00000010	0.00000079	0
8 DAIRY,POULTRY,EG	0.00000363	0	0.00003314	0	0	0.00000049	0.00000365	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0.00000002	0	0	0	0	0	0.00000004	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0.00000002	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0.05688536	0.45532842	0.00001519	0	0	0	0.000000848	0.000081552
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0.00259024	0
16 FAC,OTH CONST	0.02412918	0.00099034	0.00038318	0.00084890	0	0.00043917	0.00144312	0.00114393
17 MEAT PRODUCTS	0.00001071	0	0.00013256	0	0	0.00000157	0.00005556	0.00000220
18 DAIRY MANUFACT	0.00000072	0	0.00001450	0	0	0.00000020	0.000000817	0.00000037
19 CAN,PRE,P,D,FROZ	0.00000391	0	0.00001864	0	0	0.00000215	0.00001599	0.00000073
20 OTH FOOD,KIN PRO	0.00015760	0	0.00008699	0	0.00267786	0.00000303	0.00002047	0.00002089
21 BEVERAGES	0.00001861	0	0.00002347	0	0	0.00001272	0.00009949	0.000052633
22 TEXTILE MILL PRO	0.00046145	0.00000000	0.00006076	0	0.00022711	0.00001018	0.00001775	0.00000378
23 WOOD,PAPER PROD	0.00316124	0.00003552	0.01884123	0.00137424	0.00036068	0.00061609	0.00007485	0.00071069
24 NEWS,PUBS,PRINT	0.00009747	0.00007393	0.00053645	0.00105523	0.00047163	0.00019767	0.00017183	0.00027746
25 CHEM,DRUG,REL PR	0.02053980	0.02309213	0.00610459	0	0.00021428	0.00020941	0.00036277	0.01083156
26 PETRO,REF,PROD	0.00724550	0.00221468	0.01180598	0.00008895	0	0.00007466	0.00138799	0.00068980
27 CLAY,CUT ST,SHEL	0.00000407	0.00000321	0.00084713	0.00145099	0.00000937	0.00001938	0.00002798	0.00001576
28 CEM,CONC PRODUCT	0	0.00001800	0.00374063	0.02369328	0	0	0.00009180	0.00000073
29 PRI MET,FOUND,FG	0.00331243	0	0.00016501	0.00446564	0.00003144	0.00000528	0.00699308	0.00172597
30 FAB ST,OTH MET	0.00129281	0.00000063	0.00157551	0	0.00000590	0.00047078	0.00516949	0.00613475
31 MACH,PROC EQUIP	0.00463575	0.00001677	0.00034382	0	0	0.00361486	0.00396031	0.00179268
32 ELEC,ELECT EQUIP	0.00000499	0.00000039	0.00045636	0.00000020	0.00008684	0.00001977	0.00106081	0.01066223
33 TRANSPORTN EQUIP	0.00004205	0	0.00008699	0	0	0.00000147	0.00055173	0.00000367
34 OTHER MANUFACT	0.00381807	0.00000546	0.00022991	0	0.00041734	0.00001076	0.00043665	0.00042599
35 HWY MOT FR,WRHSG	0.00831207	0.00079539	0.04085627	0.04574779	0.00114505	0.00005862	0.00147272	0.00135468
36 WATER TRANSPORTN	0.00578197	0.00249357	0	0	0	0	0.01072964	0.00010043
37 AIR TRANSPORTN	0.00104796	0	0.00010494	0	0	0.00001243	0.00102927	0.00137191
38 OTH TRANSPORTN S	0.06012269	0.00375049	0.16501855	0.04650679	0.03815264	0.00118688	0.00195589	0.00776008
39 COMMUNICATIONS	0.00339159	0.00021935	0.00968504	0.00647052	0.00315479	0.00730418	0.00643265	0.00604950
40 GAS SERVICES	0.03413587	0.00635936	0.04015137	0.00135863	0.00364958	0.00103844	0.00094471	0.00059744
41 ELECTRIC SERVICE	0.04872169	0.00360013	0.04609094	0	0.01777137	0.00457726	0.00257135	0.00337973
42 WATER,SANI SERVC	0.00025156	0.00063195	0.00091962	0.00078054	0.00115428	0.00061424	0.00058634	0.00023390
43 WHLSE AUTO,PT,SU	0.00071709	0	0.00008009	0.00046746	0.00000328	0.00001859	0.00030940	0.0001116
44 WHLSE GROC REL	0.00002315	0	0.00046188	0	0	0.00000088	0.00001454	0.0000110
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0.00256921	0.00048979	0.00701593	0.00401849	0.00012639	0.00232767	0.00400331	0.00147197
48 WHLSE PETRO,PROD	0.00192320	0.00139616	0.00021196	0	0	0.00001390	0.00058287	0.0001912
49 GEN WHLSE	0.00381681	0.00000912	0.00441447	0.00104664	0.02962863	0.01201560	0.00639786	0.00391585
50 RETAIL LUMBERYDS	0.00001520	0.00001240	0.00002900	0.00007784	0.00001075	0.00009688	0.00003303	0.00001063
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0.00000621	0	0.00000712	0.00199458	0.00025116	0.00001796
53 DEPART,VAR STORE	0	0	0	0	0	0	0.00000022	0.00000403
54 FOOD STORES	0.00000014	0	0.00000690	0	0	0	0.00000009	0
55 AUTO DEAL REP SH	0.00352149	0	0.00078707	0.00562925	0	0.00013592	0.00020710	0.00011263
56 GAS SER STATIONS	0.00016930	0	0.00048674	0.00119565	0.00057130	0.00111271	0.00034256	0.0002222
57 APPAREL ACES STO	0	0	0	0	0	0	0.00000075	0



58 FURNITURE HOME	0	0	0	0	0	0	0.00000026	0.00001943
59 EATING DRNK PLAC	0.00007183	0	0.00019262	0	0	0.00001076	0.00032372	0.00002382
60 ALL OTHER RETAIL	0.00002028	0.00003631	0.00009528	0.00044320	0	0.00022105	0.00024575	0.00032438
61 BANK CREDIT AGEN	0.00000217	0	0.00039422	0	0.00797747	0.00000088	0.00011846	0.00003152
62 INS REAL EST FIN	0.00510255	0	0.00119441	0	0.00529435	0.00011302	0.00020565	0.00034307
63 LODGING SERVICES	0.00008802	0	0.00053645	0	0	0.00002808	0.00026991	0.00005388
64 PERSONAL SERVICE	0.00000555	0	0.00001105	0.00018690	0.00421012	0.00001067	0.00017499	0.00007037
65 ADV DUP ADD PHOT	0.00760245	0.00382378	0.00210229	0.00071237	0.01075597	0.00062803	0.00216962	0.00114503
66 MOTION PIC AMUSE	0.00005383	0	0.00001864	0	0	0	0.00009672	0.00000476
67 AUTO RENT PARK	0.00175391	0	0.00091341	0	0	0.00000568	0.00044161	0.00432207
68 MISCELL REP SERV	0.00041555	0	0.00792934	0	0.00202391	0.00004482	0.00046537	0.00019426
69 MEDICAL DENT SER	0.00000117	0.00001367	0	0	0.00010520	0.00015011	0.00000597	0.00003482
70 EDUCATION	0.00005774	0	0	0	0	0	0	0.00002199
71 PROFESSIONAL SER	0.00165176	0.00037578	0.00387250	0.00521536	0.00407470	0.00152840	0.00372277	0.00586807
72 HOUSEHOLDS	0.25532069	0.02508670	0.29899981	0.17634655	0.36863009	0.30519057	0.22330382	0.30467910
73 FEDERAL GOV	0.01859736	0.01567179	0.02437761	0.01392320	0.01427813	0.03241971	0.01346359	0.03201197
74 STATE GOV	0.00375240	0.00038048	0.01122534	0.00355586	0.00102335	0.00126742	0.00214463	0.00226403
75 LOCAL GOV	0.00524626	0.00151005	0.00535135	0.00316045	0.00518666	0.00866632	0.00406722	0.00308871
76 DEPRECIATION	0.05715163	0.01229746	0.05066145	0.05258046	0.02339477	0.05147920	0.01099898	0.01978615
77 IMPORTS	0.18529256	0.30013737	0.26617505	0.44149460	0.37736187	0.48021790	0.35309942	0.43800312
78 RESIDUAL	0.15745697	0.13912941	-0.03589431	0.15610402	0.07580579	0.07979791	0.32140170	0.12111066
TOTAL	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	33	34	35	36	37	38	39	40
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0.00000732	0	0	0	0	0	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0.00000483	0	0	0	0	0	0
6 OTHER DRYLAND CR	0	0.01217758	0	0	0	0	0	0
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	0	0
8 DAIRY,POULTRY,EG	0	0.00000133	0	0	0	0	0	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0.00000100	0	0	0	0.62624257	0	0.61891311
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0.00137117	0	0	0	0	0	0
16 FAC,OTH CONST	0.00007734	0.00519576	0.01105727	0.00340851	0.00038262	0.01785429	0.00036789	0.00122870
17 MEAT PRODUCTS	0	0.00000649	0	0	0	0	0	0
18 DAIRY MANUFACT	0	0.00000067	0	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0.00000316	0	0	0	0	0	0
20 OTH FOOD,KIN PRO	0	0.00000566	0.00001994	0	0	0.00116402	0	0
21 BEVERAGES	0	0.00008771	0	0	0	0	0	0
22 TEXTILE MILL PRO	0.00218090	0.00028991	0.00000014	0	0	0	0.00000002	0.00003847
23 WOOD,PAPER PROD	0.00031065	0.00479351	0.00055579	0.00038079	0.00005802	0.00031702	0.00002795	0.00000013
24 NEWS,PUBS,PRINT	0.00003945	0.00011849	0.00010683	0.00017570	0.00015619	0.00122379	0.01051910	0.00004287
25 CHEM,DRUG,REL PR	0	0.00668692	0	0.00001726	0	0.00001573	0	0.00000400
26 PETRO,REF,PROD	0.00000195	0.00032120	0.02032515	0.03198421	0.10192382	0.00757255	0.00092059	0.00119041
27 CLAY,CUT ST,SHEL	0.00001635	0.00000599	0.00000037	0.00001255	0.00000024	0.00029196	0.00000012	0
28 CEM,CONC PRODUCT	0	0.00051142	0	0.00001669	0	0	0	0
29 PRI MET,FOUND,FG	0	0.00040491	0	0.00339995	0	0.00176273	0	0
30 FAB ST,OTH MET	0.00385924	0.00116713	0	0	0.00000008	0.00040477	0	0
31 MACH,PROC EQUIP	0.00097762	0.00131458	0.00000018	0.00004111	0.00000185	0.00747156	0.00000212	0.00040254
32 ELEC,ELECT EQUIP	0.00152820	0.00005492	0.00000041	0.00005893	0.00000418	0.00177963	0.00142935	0.00000151
33 TRANSPORTN EQUIP	0	0.00002796	0	0	0	0.00034431	0.00009865	0.00000079
34 OTHER MANUFACT	0.00657580	0.00324593	0.00000610	0	0.00000072	0.00148143	0.00030981	0.00000000
35 HWY MOT FR,WRHSG	0	0.00202022	0	0.00054312	0	0.00064102	0.00095284	0.00056311
36 WATER TRANSPORTN	0	0	0	0.20347268	0	0	0	0
37 AIR TRANSPORTN	0	0.00015494	0	0	0.09680791	0.00040019	0.00085852	0
38 OTH TRANSPORTN S	0	0.07021628	0	0.00238554	0	0.01206527	0.00169044	0.00043673
39 COMMUNICATIONS	0.00158854	0.00820038	0.05875339	0.00319675	0.00492109	0.00167568	0.00449267	0.00254015
40 GAS SERVICES	0.00092754	0.00207913	0.01222770	0.00005200	0.00013261	0.00314983	0.00085750	0.01133282
41 ELECTRIC SERVICE	0.00407996	0.01695045	0.02034536	0.00156507	0.00026160	0.00577268	0.00755303	0.00067280
42 WATER,SANI SERVC	0.00078571	0.00094479	0.00116901	0.00022186	0.00004289	0.00035382	0.00098206	0.00017322
43 WHLSE AUTO,PT,SU	0	0.00001015	0.03316721	0.03512489	0	0.00072072	0	0.00000158
44 WHLSE GROG REL	0	0.00000150	0	0	0	0	0	0
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0.02330011	0.00369894	0	0.00124317	0.00000531	0	0	0.00000310
48 WHLSE PETRO, PROD	0	0.00000100	0.01285938	0.00014691	0.00682882	0.00180714	0	0.00002433
49 GEN WHLSE	0.00787069	0.00376501	0.00293602	0.03897976	0.00004554	0.00154920	0.00012869	0.00023719
50 RETAIL LUMBERYDS	0.00109636	0.00114283	0	0.00065103	0	0	0.00011847	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0.00006940	0	0.00063276	0	0	0.00016620	0.00000311
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0	0
55 AUTO DEAL REP SH	0.00026030	0.00059846	0	0.00007163	0	0	0	0.00067122
56 GAS SER STATIONS	0.00013430	0.00019189	0	0.00003406	0	0	0	0.00008717
57 APPAREL ACES STD	0	0	0	0.00003983	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0.00005126	0	0	0	0	0	0	0
60 ALL OTHER RETAIL	0.00000999	0.00000732	0	0.00000863	0	0	0	0	0
61 BANK CREDIT AGEN	0	0.00008504	0	0.00627307	0	0.00042911	0.00111834	0.00250466	0
62 INS REAL EST FIN	0	0.00022051	0.05014529	0.03574160	0.00638045	0.00348192	0.00552474	0.00281147	0
63 LODGING SERVICES	0	0.00012915	0	0	0	0	0.00000442	0	0
64 PERSONAL SERVICE	0.00081815	0.00199576	0	0	0	0.00095550	0	0	0
65 ADV DUP ADD PHOT	0.03542555	0.00062942	0.02951302	0.00121834	0.01533024	0.00296353	0.00583141	0.00121407	0
66 MOTION PIC AMUSE	0	0.00019605	0	0	0	0	0.00012096	0	0
67 AUTO RENT PARK	0	0.00001248	0	0.00001775	0	0.00013222	0	0.00000960	0
68 MISCELL REP SERV	0.00050192	0.00097458	0	0.00055073	0	0	0.00018707	0.00215616	0
69 MEDICAL DENT SER	0	0.00000216	0	0.00000919	0	0	0	0	0
70 EDUCATION	0	0.00002297	0	0.00018214	0	0	0	0	0
71 PROFESSIONAL SER	0.00520188	0.00206499	0.02675867	0.01579764	0	0.00053768	0.00111156	0.00360214	0
72 HOUSEHOLDS	0.30402132	0.25331695	0.34894128	0.45192532	0.28050078	0.07903276	0.23665445	0.09383439	0
73 FEDERAL GOV	0.00989211	0.02314409	0.03412765	0.02503328	0.04011972	0.03912897	0.14975484	0.03835524	0
74 STATE GOV	0.00075236	0.00084194	0.04062854	0.00286242	0.00090993	0.00433044	0.01953989	0.01068862	0
75 LOCAL GOV	0.00146527	0.00419821	0.00755569	0.00202969	0.01604327	0.01038982	0.03542622	0.02659939	0
76 DEPRECIATION	0.03611952	0.07931435	0.06324482	0.00863936	0.00140054	0.06444000	0.13706813	0.06064977	0
77 IMPORTS	0.48301493	0.38988132	0.13225486	0.00076332	0.02693458	0.01243343	0.36090925	0.02309554	0
78 RESIDUAL	0.06716601	0.09506055	0.09329993	0.12109078	0.40080698	0.08568272	0.01527272	0.09590899	0
TOTAL	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	41	42	43	44	45	46	47	48
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0	0	0	0	0	0	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0	0	0	0	0
6 OTHER DRYLAND CR	0	0	0	0	0	0	0	0
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	0	0
8 DAIRY,POULTRY,EG	0	0	0	0	0	0	0	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0.00198029	0.05039794	0	0	0	0.02689620	0	0
17 MEAT PRODUCTS	0	0	0	0	0	0	0	0
18 DAIRY MANUFACT	0	0	0	0	0	0	0	0
19 CAN,PRES,P,D,FROZ	0	0	0	0.00366893	0	0	0	0.00000175
20 OTH FOOD,KIN PRO	0	0	0	0.00055365	0	0	0	0
21 BEVERAGES	0	0	0	0	0	0	0	0
22 TEXTILE MILL PRO	0.00012732	0.00048247	0	0	0	0	0.00000004	0
23 WOOD,PAPER PROD	0.00007760	0.00078559	0	0.00000091	0.00001399	0.00001121	0.00004295	0
24 NEWS,PUBS,PRINT	0.00149500	0.00026550	0.00006201	0.00076865	0.00000153	0.00000187	0.00000049	0.00008154
25 CHEM,DRUG,REL PR	0.00000699	0.01019338	0	0	0	0	0	0
26 PETRO,REF,PROD	0.00154013	0.00349747	0	0.00001110	0	0	0.00003108	0
27 CLAY,CUT ST,SHEL	0.00000079	0.00185681	0	0	0	0	0.00000024	0
28 CEM,CONC PRODUCT	0.00004381	0.01328299	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0.00000901	0.00005136	0	0.00000901	0	0	0	0
30 FAB ST,OTH MET	0.00000273	0.00015819	0.00000007	0	0	0	0	0
31 MACH,PROC EQUIP	0.00000571	0.00026182	0	0	0	0	0.00015578	0
32 ELEC,ELECT EQUIP	0.00002798	0.00060242	0.00000066	0.00000002	0.00000025	0	0.00002007	0.00021166
33 TRANSPORTN EQUIP	0.00000708	0	0	0.00344128	0	0	0.00049495	0
34 OTHER MANUFACT	0.00000471	0.00054411	0.00107450	0.00012028	0.00000153	0.00000125	0.00032726	0
35 HWY MOT FR,WRHSG	0.00143778	0	0.00105015	0.00051422	0.02816769	0	0.00014460	0.00010124
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	0.00001039	0	0.00642285	0	0	0	0.00372933	0
38 OTH TRANSPORTN S	0.00695594	0	0	0.00004050	0.01318384	0	0	0
39 COMMUNICATIONS	0.00647214	0.00282391	0.02832588	0.01723728	0.01385868	0.01347519	0.04016553	0.01488151
40 GAS SERVICES	0.13190621	0	0.00081403	0.00137670	0.02122550	0.00084753	0.00098109	0.05256163
41 ELECTRIC SERVICE	0	0.06364115	0.00455100	0.01348529	0.06666067	0.00976561	0.00851295	0.00517178
42 WATER,SANI SERVC	0.00282073	0.08390859	0.00113541	0.00193163	0	0.00156989	0.00230301	0.00051113
43 WHLSE AUTO,PT,SU	0.00008222	0	0.00009440	0	0	0	0.00200039	0
44 WHLSE GROC REL	0	0	0	0	0	0	0	0
45 WHLSE FARM PRO	0	0	0	0	0.00059017	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0.00023655	0.01403498	0.00011422	0.00195020	0	0	0.00006061	0
48 WHLSE PETRO,PROD	0.00010291	0.00124946	0	0	0	0	0	0
49 GEN WHLSE	0.00039063	0.00115243	0	0	0	0.00550740	0	0
50 RETAIL LUMBERYDS	0.00002985	0	0	0	0	0	0	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0.00011223	0	0	0	0	0	0	0
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0	0
55 AUTO DEAL REP SH	0.00503598	0	0	0	0	0	0	0
56 GAS SER STATIONS	0.00012136	0	0.00032051	0.00061231	0.00056271	0.00407263	0	0.00040122
57 APPAREL ACES STO	0	0	0	0	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	0.00004448	0	0	0	0	0.00071300
60 ALL OTHER RETAIL	0	0	0	0.00005537	0	0	0.00015496	0	0
61 BANK CREDIT AGEN	0.00446121	0	0.01399874	0.00372464	0.00208784	0.04746612	0.06304226	0.01481026	0
62 INS REAL EST FIN	0.00367854	0.00269605	0.00262241	0.00058396	0	0.06312210	0.00174774	0	0
63 LODGING SERVICES	0	0	0	0	0	0	0	0	0
64 PERSONAL SERVICE	0	0	0	0.00010564	0	0	0	0	0
65 ADV DUP ADD PHOT	0.00117354	0.00058839	0.00350809	0.01149869	0	0.04497833	0.00526915	0.00141650	0
66 MOTION PIC AMUSE	0	0	0	0	0	0	0	0	0
67 AUTO RENT PARK	0.00002872	0	0	0.00002631	0	0	0	0.00050627	0
68 MISCELL REP SERV	0.00125730	0	0.00263462	0.00952615	0.21963558	0	0.00095514	0.00351702	0
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	0.00344503	0	0.00242789	0.00992142	0.05116649	0.01851305	0.03011389	0.00695741	0
72 HOUSEHOLDS	0.15287235	0.30967671	0.38636686	0.29522734	0.33503264	0.45119439	0.50383175	0.41581180	0
73 FEDERAL GOV	0.15244656	0.00761623	0.05144827	0.02800098	0	0	0.09014747	0.00844338	0
74 STATE GOV	0.01558331	0	0.00169525	0.00332640	0.00434808	0.00538410	0.00239385	0.00426805	0
75 LOCAL GOV	0.04473419	0	0.01425738	0.00503977	0.01387750	0.03894348	0.00180166	0.01341924	0
76 DEPRECIATION	0.12603242	0.28263471	0.00125307	0.03143939	0.08387093	0.04703084	0.11219869	0.09643038	0
77 IMPORTS	0.03714358	0.10382155	0.03342152	0.21525232	0.02899763	0.07629278	0.06613216	0.08736651	0
78 RESIDUAL	0.29609919	0.04377581	0.44240021	0.34051420	0.11671675	0.14492602	0.06324087	0.27237573	0
<b>TOTAL</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>

DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	49	50	51	52	53	54	55	56
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0	0	0	0	0	0	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0	0	0	0	0
6 OTHER DRYLAND CR	0	0	0	0	0	0	0	0
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	0	0
8 DAIRY,POULTRY,EG	0	0	0	0	0	0	0	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0	0	0	0	0	0	0	0
17 MEAT PRODUCTS	0	0	0	0	0	0	0	0
18 DAIRY MANUFACT	0	0	0	0	0	0	0	0
19 CAN,PRE,P,D,FROZ	0	0	0	0	0	0	0	0
20 OTH FOOD,KIN PRO	0	0	0	0	0	0.00001536	0	0
21 BEVERAGES	0	0	0	0	0	0	0	0
22 TEXTILE MILL PRO	0.00014852	0.00000112	0	0	0	0	0	0
23 WOOD,PAPER PROD	0.00010161	0.00008165	0	0.00000324	0.00036302	0.00007693	0.00000107	0
24 NEWS,PUBS,PRINT	0.00038429	0.00750193	0.00090666	0.01444447	0.04425746	0.00797625	0.00996185	0.00059940
25 CHEM,DRUG,REL PR	0	0	0	0	0	0	0	0
26 PETRO,REF,PROD	0.00000279	0	0	0	0	0	0	0
27 CLAY,CUT ST,SHEL	0	0	0	0	0.00000020	0	0	0
28 CEM,CONC PRODUCT	0	0	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0	0	0	0	0	0	0	0
30 FAB ST,OTH MET	0	0	0	0	0	0	0.00005463	0
31 MACH,PROC EQUIP	0	0.00000005	0	0.00000020	0.00000002	0.00000001	0	0
32 ELEC,ELECT EQUIP	0.00000358	0.00000556	0	0	0.00000403	0	0.00000010	0
33 TRANSPORTN EQUIP	0	0	0	0	0	0	0	0
34 OTHER MANUFACT	0.00001264	0.00000096	0	0	0.00000052	0.00000004	0.00000001	0.00000006
35 HWY MOT FR,WRHSG	0.00032696	0	0	0.00990370	0.00323101	0.00001190	0.00652099	0
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	0	0	0	0	0.00003938	0	0	0
38 OTH TRANSPORTN S	0.00017664	0	0	0	0	0	0	0
39 COMMUNICATIONS	0.01783213	0.00171506	0.02751252	0.00523578	0.01482475	0.00288022	0.02847576	0
40 GAS SERVICES	0.00309315	0.00017259	0.00059748	0.00255188	0.00027683	0.00155431	0.00128360	0.00103275
41 ELECTRIC SERVICE	0.01364591	0.00085141	0.00412534	0.01761936	0.01298111	0.01506003	0.00886256	0.04108573
42 WATER,SANI SERVC	0.00378241	0.00016987	0.00117607	0.00502303	0.00040099	0.00270932	0.00252666	0.00203287
43 WHLSE AUTO,PT,SU	0	0	0	0	0	0	0	0
44 WHLSE GROC REL	0	0	0	0	0	0	0	0
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0	0	0	0	0	0	0	0
48 WHLSE PETRO,PROD	0	0	0	0	0	0	0	0
49 GEN WHLSE	0.00412734	0	0	0	0	0	0	0
50 RETAIL LUMBERYDS	0	0	0	0	0	0	0	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0.00181909	0	0	0	0	0	0	0
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0	0
55 AUTO DEAL REP SH	0	0	0	0	0	0	0	0
56 GAS SER STATIONS	0.00212877	0.00026236	0.00461269	0	0.00011452	0.00027039	0.00137126	0
57 APPAREL ACES STO	0	0	0	0	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	0	0	0.00006133	0	0	0
60 ALL OTHER RETAIL	0	0	0	0	0	0	0	0	0
61 BANK CREDIT AGEN	0.01034315	0	0	0	0	0.01335063	0.00165231	0.00480101	0
62 INS REAL EST FIN	0.00620660	0	0	0	0	0.01853710	0.00179556	0.01878124	0
63 LODGING SERVICES	0	0	0	0	0	0.00002957	0	0	0
64 PERSONAL SERVICE	0.00018993	0	0	0	0	0	0	0	0
65 ADV DUP ADD PHOT	0.00827799	0	0.00247692	0	0	0.02166565	0.00001358	0.00615329	0
66 MOTION PIC AMUSE	0	0	0	0	0	0	0	0	0
67 AUTO RENT PARK	0.00037328	0	0	0	0	0.00158786	0	0	0
68 MISCELL REP SERV	0.00349827	0.00032733	0.00857763	0	0	0.00331539	0.00787073	0.00473727	0
69 MEDICAL DENT SER	0	0	0	0	0	0	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	0.00792276	0.00064751	0	0	0.05337238	0.00355355	0.00194623	0.01288547	0.03227990
72 HOUSEHOLDS	0.28592459	0.10291977	0.19261537	0.66499942	0.43600991	0.19548017	0.49840352	0.58904225	0.58904225
73 FEDERAL GOV	0.03418549	0.00134712	0.02510527	0.03720246	0.09161369	0.01132531	0.02840073	0.03788307	0.03788307
74 STATE GOV	0.00564388	0.00310877	0.01058862	0.01100878	0.00467186	0.00189843	0.00149970	0.00344390	0.00344390
75 LOCAL GOV	0.00863183	0.00310877	0	0.01100878	0.01167302	0.00746914	0.00578012	0.05165874	0.05165874
76 DEPRECIATION	0.03757232	0.00155439	0.03415699	0.04830635	0.02371335	0.02454372	0.02180826	0.03788307	0.03788307
77 IMPORTS	0.34507192	0.00453459	0.08806228	0.01300173	0.04725706	0.04034724	0.06550764	0.20305828	0.20305828
78 RESIDUAL	0.19857217	0.87168920	0.59948616	0.10631846	0.24646619	0.67510282	0.27218323	0.20305828	0.20305828
<b>TOTAL</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>



DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	57	58	59	60	61	62	63	64
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0	0	0	0	0	0	0.00782178	0
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0	0	0	0	0	0	0	0
6 OTHER DRYLAND CR	0	0	0	0	0	0	0	0
7 RANGE,FEEDLOT LV	0	0	0	0	0	0	0.00557707	0.00203640
8 DAIRY,POULTRY,EG	0	0	0	0	0	0	0.00141363	0
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0	0	0	0	0	0	0	0
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0	0	0	0
13 CR PET,NAT GAS,S	0	0	0	0	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0	0	0	0	0.00268072	0.01794856	0.04148161	0.00606915
17 MEAT PRODUCTS	0	0	0.00069779	0	0	0	0.00061549	0
18 DAIRY MANUFACT	0	0	0.00322912	0	0	0	0.00073696	0
19 CAN,PRE,P,D,FROZ	0	0	0.00072319	0	0	0	0.01838266	0
20 OTH FOOD,KIN PRO	0	0	0.03122289	0	0.00000025	0	0.00188630	0
21 BEVERAGES	0	0	0.00317544	0	0	0.00435381	0.00064215	0.00064124
22 TEXTILE MILL PRO	0	0.00003078	0.00000166	0	0.00000008	0.00000006	0.00000004	0.00047612
23 WOOD,PAPER PROD	0.00000004	0.00017510	0.00009289	0.00001539	0.00001435	0.00004949	0.00334806	0.00002938
24 NEWS,PUBS,PRINT	0.01676024	0.06428763	0.00265069	0.00825237	0.00274835	0.01542284	0.00179403	0.00222492
25 CHEM,DRUG,REL PR	0	0	0	0	0	0	0	0
26 PETRO,REF,PROD	0	0	0	0.00312985	0	0	0.00033884	0
27 CLAY,CUT ST,SHEL	0	0	0	0.00000006	0.00000003	0.00000379	0.00000016	0.00000394
28 CEM,CONC PRODUCT	0	0	0	0	0	0	0	0
29 PRI MET,FOUND,FG	0	0	0	0	0	0	0	0
30 FAB ST,OTH MET	0	0	0	0	0.00000004	0.00000015	0.00000004	0
31 MACH,PROC EQUIP	0	0.00000023	0.00000002	0.00001791	0.00000046	0.00000175	0.00000064	0.00009177
32 ELEC,ELECT EQUIP	0	0.00001116	0.00000816	0.00002509	0.00000008	0.00000164	0.00000274	0.00000124
33 TRANSPORTN EQUIP	0	0	0	0	0	0	0	0
34 OTHER MANUFACT	0	0.00000203	0.00000119	0.00000062	0.00000027	0.00000051	0.000000930	0.00092118
35 HWY MOT FR,WRHSG	0.00446331	0	0	0	0	0	0	0.00172151
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	0.01920078	0	0	0.00026612	0	0.00268530	0	0.00053114
38 OTH TRANSPORTN S	0.00389079	0	0	0	0.00018340	0	0	0
39 COMMUNICATIONS	0.03374246	0	0.00473531	0.01230121	0.01345797	0.01978414	0.00709594	0.02816139
40 GAS SERVICES	0.00074104	0.00387313	0.00143313	0.00182980	0.00060456	0.00267983	0.00196456	0.00746189
41 ELECTRIC SERVICE	0.02667898	0.02674172	0.01381278	0.01476106	0.00264303	0.01230173	0.05018128	0.02750120
42 WATER,SANI SERVC	0.00109402	0.00762381	0.00579211	0.00289412	0.00047743	0.00199535	0.03809630	0.00410169
43 WHLSE AUTO,PT,SU	0	0	0	0	0	0	0	0
44 WHLSE GROC REL	0	0	0	0	0	0	0.01430565	0
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0
47 WHLSE MAC	0	0	0.00053550	0	0	0	0.00012381	0
48 WHLSE PETRO,PROD	0	0	0	0.00186724	0	0	0	0
49 GEN WHLSE	0	0	0.00599188	0	0.00168135	0.00244685	0.00029868	0.00129143
50 RETAIL LUMBERYDS	0	0	0	0	0	0	0	0
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0	0	0	0	0	0
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0
54 FOOD STORES	0	0	0	0	0	0	0.03246204	0
55 AUTO DEAL REP SH	0	0	0	0	0	0	0.00013118	0.01434977
56 GAS SER STATIONS	0.00043799	0	0.00037561	0	0	0.00102599	0.00002171	0.00030189
57 APPAREL ACES STO	0	0	0	0	0	0	0	0

58 FURNITURE HOME	0	0	0	0	0	0	0	0	0
59 EATING DRNK PLAC	0	0	0	0.00013818	0	0.00890655	0	0	0
60 ALL OTHER RETAIL	0	0	0	0.00088467	0	0	0.00168746	0	0
61 BANK CREDIT AGEN	0.02242761	0.05848871	0.00656402	0.03281194	0.02894814	0.07563666	0	0	0
62 INS REAL EST FIN	0.03272166	0.02263216	0.04216076	0.00884823	0.00668434	0.01903017	0	0	0
63 LODGING SERVICES	0	0	0	0	0	0.00820169	0	0	0
64 PERSONAL SERVICE	0	0	0.00034814	0	0	0	0.00021129	0.00117907	0
65 ADV DUP ADD PHOT	0	0.00565945	0.00031378	0.00027452	0.01418678	0.02545267	0.00025067	0.01009776	0
66 MOTION PIC AMUSE	0	0	0	0	0.03051445	0	0.00156998	0	0
67 AUTO RENT PARK	0	0	0	0	0	0.00025340	0	0.00442113	0
68 MISCELL REP SERV	0.00737653	0	0.00858564	0.00477121	0	0	0.00036566	0	0
69 MEDICAL DENT SER	0	0	0	0	0	0.00169449	0	0	0
70 EDUCATION	0	0	0	0	0	0	0	0	0
71 PROFESSIONAL SER	0.00851219	0	0.00730012	0.01943143	0.00811165	0.02964158	0.00632921	0.00729942	0
72 HOUSEHOLDS	0.34525153	0.59220761	0.25917239	0.38159782	0.33708443	0.35157746	0.29886528	0.31153579	0
73 FEDERAL GOV	0.03614080	0	0.01188934	0.04227463	0.06587527	0.02137154	0.02500064	0.01180712	0
74 STATE GOV	0.00667212	0	0.00349683	0.00276915	0.00173097	0.03424685	0.02279443	0.00717757	0
75 LOCAL GOV	0.01269556	0.00979698	0.00462539	0.00575409	0.00970617	0.02243608	0.02836445	0.00757232	0
76 DEPRECIATION	0.01197272	0.05213618	0.01532096	0.02209184	0.02061869	0.03997395	0.10630497	0.04513263	0
77 IMPORTS	0.07246244	0.07740548	0.09652868	0.06315165	0.03642820	0.02489646	0.10263305	0.31363132	0
78 RESIDUAL	0.33675720	0.07892785	0.46921458	0.36983982	0.41561857	0.25597864	0.17689025	0.18218464	0
TOTAL	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000	1.00000000

DIRECT INPUT REQUIREMENTS : LOWER RIO GRANDE ,TEXAS, 1967

	65	66	67	68	69	70	71	HOUSEHOLDS
1 IRR COTTON	0	0	0	0	0	0	0	0
2 IRRIGATED GRAINS	0	0	0	0	0	0	0	0
3 VEG,CIT,OTH IRR	0.00000032	0	0	0.00002845	0.00054050	0.00027186	0	0.00386097
4 DRYLAND COTTON	0	0	0	0	0	0	0	0
5 DRYLAND FEED GRN	0.00000009	0	0	0.00002064	0	0	0	0
6 OTHER DRYLAND CR	0.00001747	0	0	0.00015419	0	0	0	0.00177353
7 RANGE,FEEDLOT LV	0.00000003	0	0	0.00000527	0.00022699	0.00021924	0	0.00210917
8 DAIRY,POULTRY,EG	0.00000050	0	0	0.00001041	0.00005754	0.00005261	0	0.00359386
9 AG SUPPLY	0	0	0	0	0	0	0	0
10 GINNING	0.00000006	0	0	0.00000051	0	0	0	0.00001852
11 AG SERVICES	0	0	0	0	0	0	0	0
12 FISHERIES	0	0	0	0	0.00232510	0	0	0.00125075
13 CR PET,NAT GAS,S	0	0	0	0.00004979	0	0	0	0
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0	0	0	0	0	0	0	0
16 FAC,OTH CONST	0	0.00720147	0.00175789	0	0	0.00551525	0.00453162	0
17 MEAT PRODUCTS	0.00000208	0	0	0.00006408	0.00079933	0.01808639	0	0.00928148
18 DAIRY MANUFACT	0.00000038	0	0	0.00001511	0.00086320	0.02161657	0	0.00857590
19 CAN,PRE,P,D,FROZ	0.00000100	0	0	0.00001080	0.00111688	0.01953338	0	0.00050633
20 OTH FOOD,KIN PRO	0.00000405	0.00026184	0	0.00006928	0.00034764	0.01102077	0.00000075	0.00480324
21 BEVERAGES	0.00000059	0	0	0.00028266	0	0.00091275	0	0.00780193
22 TEXTILE MILL PRO	0.00000018	0	0	0.00007030	0.00000004	0.00005503	0.00000113	0.00023346
23 WOOD,PAPER PROD	0.00041453	0.00045911	0	0.00049749	0.00057276	0.00275602	0.00018342	0.00113748
24 NEWS,PUBS,PRINT	0.00946444	0.04889697	0	0.00034178	0.00258906	0.00215511	0.00241198	0.00266014
25 CHEM,DRUG,REL PR	0.01038744	0	0	0.00024360	0	0.00016359	0	0.00167004
26 PETRO,REF,PROD	0.00001403	0.00034372	0	0.00012822	0.00054116	0.00009885	0.00003698	0.01729625
27 CLAY,CUT ST,SHEL	0.00000229	0.00000058	0	0.00001911	0.00000091	0.00000309	0.00000010	0.00000155
28 CEM,CONC PRODUCT	0	0	0	0	0	0	0	0.00003426
29 PRI MET,FOUND,FG	0.00001098	0	0	0.00008224	0	0	0	0.00108648
30 FAB ST,OTH MET	0.00004726	0	0	0.00064863	0.00000012	0.00000905	0.00000003	0.00014112
31 MACH,PROC EQUIP	0.00002360	0	0	0.00011088	0.00023298	0.00019005	0.00000232	0.00002435
32 ELEC,ELECT EQUIP	0.00003760	0.00000012	0.00030368	0.00142802	0.00003015	0.00038209	0.00000100	0.00002179
33 TRANSPORTN EQUIP	0.00000056	0	0	0.00000514	0	0.00001537	0	0.00017954
34 OTHER MANUFACT	0.00000948	0.00000023	0.00000225	0.00013482	0.00032737	0.00036596	0.00010918	0.00048797
35 HWY MOT FR,WRHSG	0.04413774	0	0	0.00333874	0.00029433	0.00479788	0.00008405	0.00445995
36 WATER TRANSPORTN	0	0	0	0	0	0	0	0
37 AIR TRANSPORTN	0.00392053	0	0	0.00035524	0	0.00049624	0.00232264	0.00327208
38 OTH TRANSPORTN S	0	0	0	0.02378284	0	0.00023448	0.01786866	0.00950000
39 COMMUNICATIONS	0.02258438	0.01464570	0.02399973	0.00924774	0.01602661	0.00480143	0.01257044	0.01250374
40 GAS SERVICES	0.00149229	0.00410353	0.00255819	0.00152582	0.00194373	0.00305238	0.00086513	0.00326823
41 ELECTRIC SERVICE	0.00955350	0.05314672	0.00081982	0.01142454	0.01417031	0.01371341	0.00618852	0.01343597
42 WATER,SANI SERVC	0.00312065	0.00733884	0.00039903	0.00308504	0.00370633	0.00221924	0.00171437	0.00373240
43 WHLSE AUTO,PT,SU	0.00031578	0	0.00162989	0.00002635	0	0	0.00187205	0.00460357
44 WHLSE GROC REL	0.00000754	0	0	0.00009424	0.01680162	0.00055182	0	0.00802660
45 WHLSE FARM PRO	0	0	0	0	0	0	0	0.0000423
46 WHLSE LIVESTOCK	0	0	0	0	0	0	0	0.00005361
47 WHLSE MAC	0.00148043	0	0	0.00492888	0.01451333	0.00227644	0	0.00709072
48 WHLSE PETRO,PROD	0.00000003	0	0	0.00002502	0	0	0	0.00430252
49 GEN WHLSE	0.00292732	0.00029115	0.00041029	0.01294458	0.00796683	0.00479000	0.00433766	0.03283292
50 RETAIL LUMBERYDS	0	0	0	0	0	0	0	0.00977647
51 FARM EQUIP DEAL	0	0	0	0	0	0	0	0
52 HRDW,HEAT,ELECT	0	0	0	0	0	0	0	0.00178256
53 DEPART,VAR STORE	0	0	0	0	0	0	0	0.03299774
54 FOOD STORES	0.00000012	0	0	0.00001194	0.01128256	0	0	0.05115320
55 AUTO DEAL REP SH	0.00140801	0	0.03548514	0.00110593	0.00026068	0	0.00068033	0.04789212
56 GAS SER STATIONS	0.01904104	0	0	0.00094399	0.00048802	0.00002101	0.00091644	0.00520075
57 APPAREL ACES STO	0	0	0	0	0.00023563	0	0	0.00863967

58 FURNITURE HOME	0	0	0	0	0.00036823	0	0	0.00436835
59 EATING DRNK PLAC	0.00095236	0	0	0.00048098	0	0	0.00063332	0.01953213
60 ALL OTHER RETAIL	0.00007406	0.00171234	0	0.00031600	0.00269509	0.00012976	0.00018422	0.02121258
61 BANK CREDIT AGEN	0.00005067	0	0	0.00072490	0	0.00010209	0	0.03231695
62 INS REAL EST FIN	0.00008002	0	0	0.00141494	0	0.00708432	0.00006357	0.00701685
63 LODGING SERVICES	0.00075145	0	0	0.00020010	0	0	0	0.00000304
64 PERSONAL SERVICE	0.00000021	0.00670828	0	0.00069810	0.01144896	0.00048877	0	0.01822703
65 ADV DUP ADD PHOT	0.02078465	0.00063755	0.00079242	0.00434737	0.00247996	0.00253570	0.00714785	0.00514716
66 MOTION PIC AMUSE	0.00002210	0	0	0	0.00069645	0.00011205	0.00005522	0.00278086
67 AUTO RENT PARK	0.00194789	0	0	0.00094393	0	0.00041167	0.00007141	0.00028844
68 MISCELL REP SERV	0.00430815	0.02378041	0.00304130	0.01146023	0.00515662	0.00003529	0.00151403	0.00359377
69 MEDICAL DENT SER	0	0	0	0	0.04489199	0	0	0.03634304
70 EDUCATION	0	0	0	0	0	0.00014261	0.00113698	0.08571739
71 PROFESSIONAL SER	0.00761201	0.01083041	0.00123687	0.00415394	0.01581362	0.00098484	0.00994532	0.02011575
72 HOUSEHOLDS	0.28809676	0.27003241	0.26430412	0.38354571	0.30145085	0.70385232	0.37322967	0.00926563
73 FEDERAL GOV	0.02682557	0.01581483	0.01529023	0.06620513	0.01489424	0.00382398	0.02762071	0.13593373
74 STATE GOV	0.01135127	0.01447832	0	0.01792534	0.00661092	0.00009311	0.00864662	0.00331905
75 LOCAL GOV	0.01048058	0.01250146	0.01687132	0.01255542	0.01341825	0.00018747	0.00736868	0.04740916
76 DEPRECIATION	0.08282296	0.04186708	0.06772103	0.03246248	0.02108128	0.10167372	0.04038507	0
77 IMPORTS	0.21878404	0.15138838	0.37406175	0.20508350	0.12009589	0.05362751	0.10776502	0.20585805
78 RESIDUAL	0.19462692	0.31355855	0.18931504	0.18021962	0.34063596	0.00433741	0.35753349	0.00847190
<b>TOTAL</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>	<b>1.00000000</b>

TABLE XIV, APPENDIX B INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE, TEXAS, 1967

	1	2	3	4	5	6	7	8
1 IRR COTTON	1.00608232	0.00004274	0.00001449	0.00003182	0.00002489	0.00003832	0.00296028	0.00655092
2 IRRIGATED GRAINS	0.00000735	1.00000857	0.00629492	0.00000363	0.01384900	0.00000393	0.00052223	0.00178955
3 VFG,CIT,OTH IRR	0.00005215	0.00008135	1.00196132	0.00004367	0.00008611	0.00002578	0.00009476	0.00020414
4 DRYLAND COTTON	0.00000333	0.00000380	0.00000128	1.00473160	0.00000221	0.00000192	0.00026442	0.00058502
5 DRYLAND FEED GRN	0.00040017	0.00045979	0.00014271	0.00018832	1.00025659	0.00021041	0.02917989	0.11036671
6 OTHER DRYLAND CR	0.00033955	0.00039765	0.00032491	0.00017498	0.00025534	1.02167379	0.00103409	0.08999480
7 RANGE,FEEDLOT LV	0.00001485	0.00001698	0.00000910	0.00001030	0.00001396	0.00001051	1.19833809	0.00036733
8 DAIRY,POULTRY,EG	0.00341323	0.00392156	0.00121017	0.00159734	0.00217840	0.00178410	0.00157360	1.00202027
9 AG SUPPLY	0.01338086	0.00962523	0.01548652	0.01221691	0.01398110	0.01500131	0.00248782	0.00423645
10 GINNING	0.04241928	0.00000564	0.00000191	0.04429604	0.00000329	0.00000483	0.00039034	0.00086379
11 AG SERVICES	0.08941469	0.10273598	0.03166360	0.04181336	0.05702745	0.04670907	0.03994070	0.05008456
12 FISHERIES	0.00000528	0.00000575	0.00000373	0.00000389	0.00000483	0.00000421	0.00001511	0.00003032
13 CR PET,NAT GAS,S	0.03168477	0.04271319	0.02284762	0.02956455	0.05255729	0.02451732	0.00924421	0.03098286
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00008987	0.00017384	0.00005476	0.00009493	0.00021820	0.00003276	0.00001305	0.00004872
16 FAC,OTH CONST	0.01681267	0.01141219	0.01366363	0.01577015	0.01387903	0.01195138	0.01562798	0.01689995
17 MEAT PRODUCTS	0.00001072	0.00001328	0.00000538	0.00000712	0.00001133	0.00000633	0.00002344	0.00004938
18 DAIRY MANUFACT	0.00000406	0.00000449	0.00000323	0.00000336	0.00000434	0.00000347	0.00000398	0.00000662
19 CAN,PRE,P,D,FROZ	0.00002144	0.00002343	0.00001479	0.00001554	0.00001943	0.00001678	0.00006069	0.00012189
20 OTH FOOD,KIN PRO	0.00109290	0.00124621	0.00041882	0.00054933	0.00072320	0.00062941	0.08667694	0.19177161
21 BEVERAGES	0.00034974	0.00036206	0.00030495	0.00029460	0.00033914	0.00032822	0.00031485	0.00043822
22 TEXTILE MILL PRO	0.00908874	0.00012797	0.00012689	0.00898232	0.00013519	0.01157182	0.00044563	0.00189858
23 WOOD,PAPER PROD	0.00727545	0.00799543	0.00277969	0.00399564	0.00522836	0.01098996	0.01196792	0.00679879
24 NEWS,PUBS,PRINT	0.00160873	0.00161321	0.00164988	0.00149324	0.00177940	0.00160889	0.00150781	0.00222095
25 CHEM,DRUG,REL PR	0.09965773	0.08122342	0.09506443	0.08236454	0.10224722	0.08111192	0.02495059	0.03547494
26 PETRO,REF,PROD	0.03290691	0.05981419	0.01657367	0.03277755	0.07333491	0.02398963	0.00495393	0.03514682
27 CLAY,CUT ST,SHEL	0.00007857	0.00005668	0.00006356	0.00007274	0.00006778	0.00005596	0.00007038	0.00007956
28 CEM,CONC PRODUCT	0.00085208	0.00059229	0.00069845	0.00079736	0.00071857	0.00060469	0.00078386	0.00085768
29 PRI MET,FOUND,FG	0.00059717	0.00169482	0.00043867	0.00549860	0.00096207	0.00037673	0.00012860	0.00026226
30 FAB ST,OTH MET	0.00212706	0.00071427	0.00357466	0.00242389	0.00259499	0.00147014	0.00218269	0.00247391
31 MACH,PROC EQUIP	0.03342297	0.06534359	0.01202330	0.03541258	0.08187463	0.01193150	0.00348151	0.01502145
32 ELEC,ELECT EQUIP	0.00050319	0.00077539	0.00025198	0.00046177	0.00111468	0.00020049	0.00013110	0.00034752
33 TRANSPORTN EQUIP	0.00059725	0.00029369	0.00031761	0.00058290	0.00035797	0.00027490	0.00035136	0.00039369
34 OTHER MANUFACT	0.00237547	0.00331121	0.01721700	0.00232004	0.00444781	0.00133521	0.00077919	0.00237440
35 HWY MOT FR,WRHSG	0.00246164	0.00199867	0.00165318	0.00207188	0.00215859	0.00167042	0.02559986	0.04439446
36 WATER TRANSPORTN	0.00208690	0.00274900	0.00148846	0.00193354	0.00341817	0.00145177	0.00048055	0.00136160
37 AIR TRANSPORTN	0.00089189	0.00099698	0.00058974	0.00062511	0.00086269	0.00062046	0.00048278	0.00069203
38 OTH TRANSPORTN S	0.00732317	0.00608926	0.00750919	0.00636394	0.00755106	0.00621189	0.00417170	0.00857457
39 COMMUNICATIONS	0.00821117	0.00880393	0.00771349	0.00694662	0.00989664	0.00720943	0.00778734	0.01421101
40 GAS SERVICES	0.00657600	0.00621914	0.00564342	0.00609368	0.00762825	0.00527041	0.00364643	0.00853113
41 ELECTRIC SERVICE	0.01310732	0.01069481	0.01065238	0.01156260	0.01274449	0.00979730	0.00837330	0.01651494
42 WATER,SANI SERVC	0.00083102	0.00087984	0.00071284	0.00061244	0.00093797	0.00069140	0.00063881	0.00111795
43 WHLSE AUTO,PT,SU	0.00356320	0.00563251	0.00172452	0.00352589	0.00703272	0.00141411	0.00161449	0.00258179
44 WHLSE GROG REL	0.00002301	0.00002451	0.00001644	0.00001698	0.00002108	0.00001836	0.00038370	0.00083122
45 WHLSE FARM PRO	0.00132801	0.00288715	0.00236180	0.00144393	0.00407074	0.00613994	0.01961667	0.07356498
46 WHLSE LIVESTOCK	0.00002043	0.00002347	0.00000733	0.00000964	0.00001314	0.00001074	0.02706849	0.00590149
47 WHLSE MAC	0.00074402	0.00088206	0.00839510	0.00058920	0.00094407	0.00048044	0.00026615	0.00054180
48 WHLSE PETRO,PROD	0.00188423	0.01766574	0.00476246	0.00985020	0.02216712	0.00696838	0.00129879	0.01066173
49 GEN WHLSE	0.02976128	0.02052099	0.02869139	0.00415758	0.02878603	0.02786340	0.00941530	0.01607140
50 RETAIL LUMBERYDS	0.00035524	0.00094631	0.00005145	0.00003579	0.00040518	0.00065025	0.00797042	0.00274187
51 FARM EQUIP DEAL	0.01943409	0.03512477	0.00663550	0.01830819	0.04083604	0.00745788	0.00331399	0.00914180
52 HRDW,HEAT,ELECT	0.00353851	0.00438437	0.00828868	0.00374342	0.00505536	0.00411563	0.00277802	0.00633103
53 DEPART,VAR STORE	0.00000002	0.00000003	0.00000002	0.00000002	0.00000004	0.00000002	0.00000002	0.00000103
54 FOOD STORES	0.00004153	0.00004509	0.00002676	0.00002823	0.00003446	0.00003136	0.00002866	0.00003156
55 AUTO DEAL REP SH	0.01666477	0.01826623	0.01534127	0.01558040	0.02161495	0.01224180	0.00889997	0.03334137
56 GAS SER STATIONS	0.01042712	0.02009493	0.00543397	0.01095110	0.02547390	0.00794137	0.00127851	0.01176109
57 APPAREL ACES STO	0.00001143	0.00001317	0.00000410	0.00000541	0.00000743	0.00000600	0.00000509	0.00000443

58 FURNITURE HOME	0.00000012	0.00000016	0.00000010	0.00000012	0.00000019	0.00000010	0.00000006	0.00000013
59 EATING DRNK PLAC	0.00058484	0.00060237	0.00058199	0.00055266	0.00063503	0.00060841	0.00056199	0.00077769
60 ALL OTHER RETAIL	0.00004119	0.00004911	0.00002645	0.00003308	0.00005055	0.00002714	0.00002444	0.00003929
61 BANK CREDIT AGEN	0.02691020	0.02685340	0.03633769	0.02421081	0.03346368	0.03757737	0.03251056	0.02998061
62 INS REAL EST FIN	0.05873929	0.05793951	0.06134955	0.05658829	0.06205443	0.06367897	0.05938375	0.07996221
63 LODGING SERVICES	0.00085177	0.00090387	0.00064501	0.00064907	0.00076988	0.00072011	0.00066018	0.00088854
64 PERSONAL SERVICE	0.00004964	0.00005955	0.00007233	0.00006196	0.00006888	0.00004057	0.00005487	0.00011586
65 ADV DUP ADD PHOT	0.00898021	0.00892707	0.00585785	0.00631929	0.00789242	0.00632149	0.00721376	0.00868540
66 MOTION PIC AMUSE	0.00083312	0.00083382	0.00112093	0.00074944	0.00103843	0.00115494	0.00099640	0.00092267
67 AUTO RENT PARK	0.00025664	0.00024434	0.00023026	0.00021155	0.00029395	0.00020938	0.00054320	0.00115014
68 MISCELL REP SERV	0.00213052	0.00212709	0.00209148	0.00183016	0.00312492	0.00287243	0.00538189	0.02546800
69 MEDICAL DENT SER	0.00010546	0.00010452	0.00010995	0.00010222	0.00011238	0.00011379	0.00010585	0.00014295
70 EDUCATION	0.00001300	0.00001203	0.00001268	0.00001131	0.00001434	0.00001137	0.00000838	0.00001515
71 PROFESSIONAL SER	0.00540334	0.00535679	0.00521020	0.00489525	0.00618575	0.00506028	0.00549307	0.01052252
TOTAL	1.63087584	1.66576652	1.47655760	1.52926561	1.74766366	1.49513479	1.68855846	2.03840712



INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	9	10	11	12	13	14	15	16
1 IRR COTTON	0.00000514	0.00001063	0.00039953	0.00120206	0.00000021	0.00001120	0.00000223	0.00000354
2 IRRIGATED GRAINS	0.00000005	0.00000005	0.00007906	0.00006942	0.00000002	0.00000021	0.00000011	0.00000017
3 VEG,CIT,OTH IRR	0.00000188	0.00000216	0.00022254	0.00067400	0.00000212	0.00000335	0.00000908	0.00000356
4 DRYLAND COTTON	0.00000005	0.00000006	0.00003563	0.00010621	0.00000002	0.00000033	0.00000009	0.00000028
5 DRYLAND FEED GRN	0.00000070	0.00000052	0.00446433	0.00129388	0.00000026	0.00000249	0.00000084	0.00000204
6 OTHER DRYLAND CR	0.00000470	0.00000153	0.00346090	0.00014345	0.00000072	0.00001045	0.00000333	0.00000528
7 RANGE,FEEDLOT LV	0.00000237	0.00000185	0.00009446	0.02544180	0.00000179	0.00000325	0.00000329	0.00000282
8 DAIRY,POULTRY,EG	0.00000118	0.00000076	0.03822098	0.00005925	0.00000044	0.00000127	0.00000070	0.00000091
9 AG SUPPLY	1.00000018	0.00000021	0.00017122	0.00009122	0.00000005	0.00000040	0.00000024	0.00000022
10 GINNING	0.00000062	1.00000126	0.00005268	0.00015832	0.00000003	0.00000138	0.00000028	0.00000046
11 AG SERVICES	0.00000090	0.00000120	1.00194994	0.00102391	0.00000021	0.00000190	0.00000082	0.00000093
12 FISHERIES	0.00000102	0.00000091	0.00002779	1.01126458	0.00000064	0.00000103	0.00000062	0.00000079
13 CR PET,NAT GAS,S	0.00385127	0.01964996	0.04474550	0.01718968	1.08608739	0.01015746	0.01381678	0.01054546
14 RES CONST,ALT,RE	0	0	0	0	0	1.00000000	0	0
15 COM,ED,INST CONS	0.00000043	0.00000106	0.00004051	0.00000293	0.00000233	0.00000515	1.00002483	0.00000866
16 FAC,OTH CONST	0.00092853	0.10590849	0.00546510	0.00080541	0.00204692	0.00209030	0.00226033	1.01508553
17 MEAT PRODUCTS	0.00000193	0.00000073	0.00007612	0.00000861	0.00000050	0.00000199	0.00000143	0.00000148
18 DAIRY MANUFACT	0.00000223	0.00000112	0.00001365	0.00000076	0.00000054	0.00000149	0.00000077	0.00000102
19 CAN,PRE,P,D,FROZ	0.00000407	0.000000354	0.00011806	0.00082856	0.00000267	0.00000407	0.00000243	0.00000309
20 OTH FOOD,KIN PRO	0.00001789	0.00001834	0.01167818	0.03481722	0.00000589	0.00010964	0.00002797	0.00009334
21 BEVERAGES	0.00007414	0.00007889	0.00099614	0.00001663	0.00001773	0.00008132	0.00005593	0.00006308
22 TEXTILE MILL PRO	0.00311279	0.00687588	0.00052541	0.00907996	0.00000333	0.00512504	0.00008750	0.00031114
23 WOOD,PAPER PROD	0.00138538	0.00154900	0.06850113	0.00053341	0.00026234	0.01698446	0.00292531	0.01403380
24 NEWS,PUBS,PRINT	0.00308609	0.00173299	0.00097485	0.00040868	0.00022918	0.00832691	0.00045651	0.00095106
25 CHEM,DRUG,REL PR	0.00010483	0.00093257	0.16184795	0.00269807	0.00213905	0.01787396	0.01383836	0.00466605
26 PETRO,REF,PROD	0.00027302	0.01128254	0.04110275	0.02912824	0.01069855	0.00875877	0.02011858	0.01303386
27 CLAY,CUT ST,SHEL	0.00001942	0.00045043	0.00004790	0.00001145	0.00001007	0.00486013	0.00200630	0.00430119
28 CEM,CONC PRODUCT	0.00010981	0.00524930	0.00031531	0.00005871	0.00010427	0.01791337	0.03142190	0.05021479
29 PRI MET,FOUND,FG	0.00000565	0.00006211	0.00070720	0.00002002	0.00011035	0.00016234	0.00026367	0.00053110
30 FAB ST,OTH MET	0.00004967	0.00216292	0.00054859	0.00416409	0.00012383	0.00338921	0.01269837	0.02013331
31 MACH,PROC EQUIP	0.00002277	0.00036555	0.01501242	0.00033957	0.00089067	0.00158746	0.00948160	0.00245540
32 ELEC,ELECT EQUIP	0.00004292	0.00008302	0.00014595	0.00119607	0.00020092	0.00081729	0.00119643	0.00048307
33 TRANSPORTN EQUIP	0.00002275	0.00708933	0.00014983	0.08272081	0.00004698	0.00066344	0.00221235	0.02215327
34 OTHER MANUFACT	0.00026769	0.00008059	0.00089697	0.00062805	0.00001574	0.00075620	0.00019859	0.00035349
35 HWY MOT FR,WRHSG	0.00032086	0.01270485	0.00648959	0.00115612	0.00328918	0.00232743	0.00251144	0.00571382
36 WATER TRANSPORTN	0.00010217	0.00054992	0.00264912	0.00055475	0.02779881	0.00044315	0.00064445	0.00037172
37 AIR TRANSPORTN	0.00022944	0.00020881	0.00525233	0.00015979	0.00166081	0.00020299	0.00012765	0.00015357
38 OTH TRANSPORTN S	0.00160335	0.00145929	0.01172977	0.00164469	0.00050931	0.00394271	0.00317617	0.00401451
39 COMMUNICATIONS	0.01567503	0.01061189	0.01189719	0.00495014	0.00368401	0.00942028	0.00543602	0.00861386
40 GAS SERVICES	0.00393082	0.01954775	0.00923342	0.00238436	0.00125939	0.00312567	0.00139134	0.00169383
41 ELECTRIC SERVICE	0.01784849	0.05828018	0.01413286	0.00355323	0.00302737	0.00475312	0.00350013	0.00428357
42 WATER,SANI SERVC	0.00462043	0.00061467	0.00230828	0.00129125	0.00015129	0.00099535	0.00062640	0.00023303
43 WHLSE AUTO,PT,SU	0.00012210	0.00048034	0.00055799	0.00017325	0.00109893	0.00016318	0.00014970	0.00026330
44 WHLSE GROC REL	0.00000350	0.00000356	0.00011818	0.00015883	0.00000235	0.00000644	0.00000364	0.0000015
45 WHLSE FARM PRO	0.00000050	0.00000051	0.00288768	0.00042988	0.00080013	0.00000415	0.00000429	0.0000038
46 WHLSE LIVESTOCK	0.00000006	0.00000005	0.00022715	0.00057484	0.00000008	0.00000008	0.00000008	0.0000007
47 WHLSE MAC	0.00012463	0.00029629	0.00295161	0.01701111	0.00217206	0.00025773	0.00036068	0.00087399
48 WHLSE PETRO,PROD	0.00001901	0.00609792	0.00522338	0.01821131	0.00056293	0.00010813	0.00010962	0.0001259
49 GEN WHLSE	0.16832657	0.00902511	0.00318671	0.00122995	0.00165293	0.02322398	0.00072458	0.04864907
50 RETAIL LUMBERYDS	0.00000656	0.00008897	0.00031726	0.00026565	0.00004994	0.00004381	0.00001651	0.00007634
51 FARM EQUIP DEAL	0.00000018	0.00000026	0.05102359	0.00012868	0.00000004	0.00000044	0.00000017	0.0000023
52 HRDW,HEAT,ELECT	0.00031123	0.00003201	0.00026403	0.00008511	0.00000410	0.00005309	0.00003133	0.0000136
53 DEPART,VAR STORE	0.00000003	0.00000002	0.00000001	0.00000001	0.00000000	0.00000008	0.00000001	0.0000001
54 FOOD STORES	0.00000493	0.00000568	0.00026885	0.02582277	0.00000549	0.00000573	0.00000356	0.0000052
55 AUTO DEAL REP SH	0.00016705	0.01229400	0.00235410	0.00141383	0.00108989	0.00155069	0.00424067	0.0157381
56 GAS SER STATIONS	0.00221655	0.00059654	0.00196414	0.00020088	0.00048613	0.00243261	0.00279751	0.0020446
57 APPAREL ACES STO	0.00000001	0.00000003	0.00012673	0.00000015	0.00000111	0.00000003	0.00000004	0.0000002



58 FURNITURE HOME	0.00000002	0.00000005	0.00000011	0.00000006	0.00000228	0.00000005	0.00000006	0.00000004
59 EATING DRNK PLAC	0.00018684	0.00018898	0.00045328	0.00004333	0.00007082	0.00018665	0.00011124	0.00014306
60 ALL OTHER RETAIL	0.00001605	0.00006331	0.00016915	0.00000961	0.00004538	0.00074552	0.00114201	0.00053521
61 BANK CREDIT AGEN	0.01411818	0.03321994	0.00562113	0.00239876	0.00072132	0.04779983	0.00893371	0.00698724
62 INS REAL EST FIN	0.01633535	0.01785818	0.00731779	0.00208815	0.00378065	0.01799484	0.01090495	0.01395109
63 LODGING SERVICES	0.00013825	0.00016195	0.00394493	0.00003026	0.00012787	0.00016235	0.00010012	0.00012725
64 PERSONAL SERVICE	0.00004413	0.00005277	0.00006081	0.00008638	0.00023646	0.00026904	0.00067025	0.00034006
65 ADV DUP ADD PHOT	0.00268870	0.01703887	0.04546001	0.00447787	0.00637836	0.00804400	0.00456358	0.00754309
66 MOTION PIC AMUSE	0.00043613	0.00101646	0.00019083	0.00007468	0.00002314	0.00146278	0.00027560	0.00021597
67 AUTO RENT PARK	0.00010445	0.00006163	0.00046380	0.00901809	0.00002350	0.00012749	0.00005317	0.00006123
68 MISCELL REP SERV	0.00726885	0.00042707	0.00666816	0.00058367	0.00193150	0.00089593	0.00154692	0.00064792
69 MEDICAL DENT SER	0.00002900	0.00003220	0.00001406	0.00000483	0.00000718	0.00003268	0.00002179	0.00002821
70 EDUCATION	0.00006342	0.00001521	0.00001773	0.00000902	0.00000788	0.00002743	0.00000760	0.00001470
71 PROFESSIONAL SER	0.05532041	0.01294927	0.00571845	0.00759777	0.00231969	0.02210101	0.00573910	0.01243597
TOTAL	1.32578540	1.37958406	1.61435272	1.33400808	1.16722534	1.25261772	1.17382665	1.29670366

INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	17	18	19	20	21	22	23	24
1 IRR COTTON	0.00161664	0.00239933	0.00033413	0.03575520	0.00001390	0.00149825	0.00019256	0.00000182
2 IRRIGATED GRAINS	0.00029632	0.00063177	0.00062719	0.00172427	0.00000821	0.00000062	0.00000916	0.00000009
3 VEG,CIT,OTH IRR	0.00005214	0.00024892	0.00666583	0.0095323	0.00104962	0.00001633	0.00000831	0.00000122
4 DRYLAND COTTON	0.00014044	0.00021427	0.00002957	0.00319382	0.00000124	0.00000020	0.00001691	0.00000013
5 DRYLAND FEED GRN	0.01686613	0.03863446	0.00050274	0.02144778	0.00007681	0.00000322	0.00011410	0.00000143
6 OTHER DRYLAND CR	0.00317027	0.03146622	0.00120835	0.00358917	0.00002285	0.00000288	0.00002281	0.00000391
7 RANGE,FEEDLOT LV	0.55725390	0.00027268	0.00951590	0.00194303	0.00197514	0.00000090	0.00001649	0.00000352
8 DAIRY,POULTRY,EG	0.03066497	0.35013570	0.00083243	0.00077390	0.00022220	0.00000546	0.00000777	0.00000333
9 AG SUPPLY	0.00128406	0.00148620	0.00154003	0.00089871	0.00002144	0.00002026	0.00000493	0.00000013
10 GINNING	0.00020919	0.00031637	0.00004401	0.00471462	0.00000183	0.00017691	0.00002535	0.00000024
11 AG SERVICES	0.02007317	0.01752665	0.00349710	0.00495595	0.00011095	0.00013403	0.00002718	0.00000071
12 FISHERIES	0.00000826	0.00013247	0.23463609	0.00013890	0.00000977	0.00000022	0.00000249	0.00000091
13 CR PET,NAT GAS,S	0.00751902	0.01244098	0.00839338	0.02129453	0.00235149	0.03213998	0.01056959	0.00681634
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00000757	0.00001804	0.00000630	0.00004561	0.00000015	0.00000132	0.00000082	0.00000057
16 FAC,OTH CONST	0.00787134	0.00594495	0.00213764	0.00582823	0.00031831	0.00131221	0.00085268	0.00054675
17 MEAT PRODUCTS	1.02102780	0.00001845	0.00081832	0.00022756	0.00002355	0.00000085	0.00000967	0.00000511
18 DAIRY MANUFACT	0.00000219	1.00786655	0.00000056	0.00001157	0.00002753	0.00000015	0.00000135	0.00000327
19 CAN,PRE,P,D,FROZ	0.00003325	0.00056256	1.00120518	0.00055967	0.00004169	0.00000092	0.00001042	0.00000383
20 OTH FOOD,KIN PRO	0.04603578	0.07023878	0.00969275	1.04694497	0.00040678	0.000006674	0.00554289	0.00004342
21 BEVERAGES	0.00016341	0.00015451	0.00003581	0.00018662	1.00028836	0.00000304	0.00002987	0.00003035
22 TEXTILE MILL PRO	0.00026751	0.00067987	0.00214989	0.00455642	0.00000654	1.02848152	0.00226818	0.00023292
23 WOOD,PAPER PROD	0.00577675	0.00277821	0.00407702	0.00646889	0.00009858	0.00177504	1.00805543	0.00440829
24 NEWS,PUBS,PRINT	0.00087667	0.00096002	0.00192179	0.00046524	0.00194195	0.00022906	0.00150446	1.00963653
25 CHEM,DRUG,REL PR	0.01272916	0.01251465	0.01027487	0.00669899	0.00147297	0.00025053	0.00414746	0.00025429
26 PETRO,REF,PROD	0.00511416	0.01511254	0.00850584	0.00418064	0.00019672	0.00079265	0.00049494	0.00056541
27 CLAY,CUT ST,SHEL	0.00003798	0.00002839	0.00001516	0.00003745	0.00066502	0.00002089	0.00001350	0.00000734
28 CEM,CONC PRODUCT	0.00040492	0.00030244	0.00013865	0.00031200	0.00005526	0.00007513	0.00004947	0.00003517
29 PRI MET,FOUND,FG	0.00006936	0.00009305	0.00005023	0.00011722	0.00000693	0.00008644	0.00005316	0.00002200
30 FAB ST,OTH MET	0.00109571	0.00087058	0.00134669	0.00037694	0.00003273	0.00005506	0.00026257	0.00772147
31 MACH,PROC EQUIP	0.00207699	0.00526609	0.00128199	0.00340105	0.00003661	0.00041729	0.00015540	0.00012246
32 ELEC,ELECT EQUIP	0.00008880	0.00012720	0.00030959	0.00012183	0.00002102	0.00011288	0.00004580	0.00011112
33 TRANSPORTN EQUIP	0.00018112	0.00014927	0.01927814	0.00018859	0.00001650	0.00004652	0.00003397	0.00002218
34 OTH MANUFACT	0.00044994	0.00145544	0.00192891	0.00075872	0.00003278	0.00017075	0.00016882	0.00018415
35 HWY MOT FR,WRHSG	0.01333839	0.01556753	0.00118293	0.00198236	0.00314089	0.00083193	0.00762758	0.00880395
36 WATER TRANSPORTN	0.00032896	0.00052742	0.00033405	0.00065167	0.00007304	0.00083090	0.00030461	0.00079186
37 AIR TRANSPORTN	0.00029449	0.00024753	0.00011202	0.00013752	0.00008089	0.00028845	0.00027230	0.00009418
38 OTH TRANSPORTN S	0.00252945	0.00315850	0.00132570	0.02223219	0.00038837	0.04469659	0.01343456	0.00746452
39 COMMUNICATIONS	0.00946011	0.00639750	0.00456756	0.00837961	0.01063385	0.00804226	0.00945410	0.00798409
40 GAS SERVICES	0.00374621	0.00314225	0.00401606	0.00568127	0.00284631	0.00227248	0.00148068	0.00220175
41 ELECTRIC SERVICE	0.00984476	0.00593197	0.00956254	0.01670761	0.00790605	0.00515417	0.00498918	0.00734410
42 WATER,SANI SERVC	0.00103455	0.00041626	0.00227253	0.00129098	0.00268933	0.00071602	0.00050505	0.00076444
43 WHLSE AUTO,PT,SU	0.00127618	0.00091248	0.00024385	0.00111689	0.00017152	0.00009909	0.00029453	0.00036495
44 WHLSE GROC REL	0.00020404	0.00045424	0.01162096	0.00447579	0.00211427	0.00000112	0.00002780	0.00000126
45 WHLSE FARM PRO	0.01131955	0.02570836	0.00070735	0.00039622	0.00005093	0.00000886	0.00023207	0.0000034
46 WHLSE LIVESTOCK	0.01276368	0.00206751	0.00021978	0.00004843	0.00004591	0.00000005	0.00000042	0.00000410
47 WHLSE MAC	0.00627991	0.00020638	0.00527017	0.00018490	0.00009002	0.00008975	0.00026934	0.00149103
48 WHLSE PETRO,PROD	0.00200627	0.00549892	0.00472482	0.00111169	0.00005916	0.00011451	0.00014926	0.00015147
49 GEN WHLSE	0.00520320	0.00566883	0.00331157	0.00349624	0.00143227	0.00156692	0.00166422	0.00489118
50 RETAIL LUMBERYDS	0.00385315	0.00096324	0.00013006	0.00009153	0.00001583	0.00000801	0.00217578	0.00001114
51 FARM EQUIP DEAL	0.00181523	0.00320370	0.00069508	0.00171163	0.00001477	0.00002920	0.00000922	0.00000115
52 HRDW,HEAT,ELECT	0.00148339	0.00221573	0.00085949	0.00029291	0.00002002	0.00001153	0.00005754	0.00002178
53 DEPART,VAR STORE	0.00000001	0.00000001	0.00000002	0.00000001	0.00000002	0.00000000	0.00000001	0.00000126
54 FOOD STORES	0.00001464	0.00001667	0.00599427	0.00000985	0.00000075	0.00000094	0.00000545	0.00000157
55 AUTO DEAL REP SH	0.00605748	0.01545936	0.00194462	0.00181556	0.00248512	0.00011710	0.00022045	0.00071131
56 GAS SER STATIONS	0.00168564	0.00412677	0.00079842	0.00126599	0.00176679	0.00024966	0.00047737	0.00197117
57 APPAREL ACES STO	0.00000256	0.00000225	0.00000046	0.00000066	0.00000002	0.00000005	0.00000002	0.00000115

58 FURNITURE HOME	0.00000004	0.00000005	0.00000003	0.00000005	0.00000001	0.00000007	0.00000002	0.00000002
59 EATING DRNK PLAC	0.00029068	0.00027489	0.00007237	0.00008715	0.00001896	0.00001225	0.00006839	0.00002729
60 ALL OTHER RETAIL	0.00002143	0.00001437	0.00000749	0.00000986	0.00005005	0.00000343	0.00012093	0.00046193
61 BANK CREDIT AGEN	0.01649477	0.01055228	0.00436860	0.00236545	0.00023023	0.00019437	0.00016578	0.00029877
62 INS REAL EST FIN	0.03012273	0.02806557	0.00681870	0.00460084	0.00053398	0.00053129	0.00072778	0.00072357
63 LODGING SERVICES	0.00033629	0.00031245	0.00007520	0.00016885	0.00001428	0.00002659	0.00015742	0.00003967
64 PERSONAL SERVICE	0.00307749	0.00004391	0.00007057	0.00034048	0.00000278	0.00005155	0.00012731	0.00009953
65 ADV DUP ADD PHOT	0.00433015	0.00312302	0.00254956	0.00519866	0.01144544	0.00051752	0.00316655	0.00803743
66 MOTION PIC AMUSE	0.00050637	0.00032505	0.00013527	0.00007454	0.00000907	0.00000735	0.00000691	0.00001308
67 AUTO RENT PARK	0.00128459	0.00042324	0.00261359	0.00543858	0.00004246	0.00002039	0.00009411	0.00658109
68 MISCELL REP SERV	0.00816086	0.00971252	0.00058421	0.00099913	0.00014467	0.00012751	0.00072603	0.00261221
69 MEDICAL DENT SER	0.00005373	0.00005022	0.00001248	0.00000834	0.00000096	0.00000099	0.00000136	0.00000332
70 EDUCATION	0.00000648	0.00000546	0.00000440	0.00000318	0.00125925	0.00000384	0.00000279	0.00013694
71 PROFESSIONAL SER	0.00471116	0.00376896	0.00299310	0.00206879	0.00429190	0.00202954	0.00199136	0.00914421
TOTAL	1.90740353	1.73961298	1.50320193	1.27731676	1.06562561	1.13655455	1.08572678	1.10407322

INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	25	26	27	28	29	30	31	32
1 IRR COTTON	0.00001048	0.00000053	0.00001491	0.00000287	0.00009795	0.00000035	0.00000217	0.00000173
2 IRRIGATED GRAINS	0.00000053	0.00000003	0.00000087	0.00000014	0.00000472	0.00000004	0.00000552	0.00000025
3 VEG,CIT,OTH IRR	0.00000823	0.00000129	0.00001077	0.00000077	0.00000370	0.00000419	0.00083872	0.00001202
4 DRYLAND COTTON	0.00000087	0.00000005	0.00000132	0.00000026	0.00000872	0.00000003	0.00000019	0.00000014
5 DRYLAND FEED GRN	0.00000679	0.00000040	0.00001554	0.00000178	0.00005890	0.00000035	0.00001184	0.000000787
6 OTHER DRYLAND CR	0.00005972	0.00000198	0.00002780	0.00000150	0.00001651	0.00000099	0.00003143	0.00005924
7 RANGE,FEEDLOT LV	0.00001002	0.00000116	0.00008067	0.00000132	0.00001656	0.00000162	0.00003535	0.00000365
8 DAIRY,POULTRY,EG	0.00000577	0.00000038	0.00004445	0.00000032	0.00000249	0.00000082	0.00001038	0.00000099
9 AG SUPPLY	0.00000128	0.00000006	0.00000120	0.00000010	0.00000260	0.00000009	0.00001369	0.00000120
10 GINNING	0.00000140	0.00000007	0.00000197	0.00000038	0.00001291	0.00000005	0.00000033	0.00000023
11 AG SERVICES	0.00000492	0.00000026	0.00000821	0.00000053	0.00001429	0.00000031	0.00003028	0.00000385
12 FISHERIES	0.00000217	0.00000042	0.00000761	0.00000022	0.00000102	0.00000109	0.00000514	0.00000074
13 CR PET,NAT GAS,S	0.13928513	0.50632427	0.15514542	0.03572803	0.03124923	0.00220013	0.00389133	0.00957303
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00001962	0.00000169	0.00000545	0.00000117	0.00000164	0.00000947	0.00260142	0.00001116
16 FAC,OTH CONST	0.02693516	0.00273403	0.00479468	0.00252547	0.00113221	0.00056019	0.00173396	0.00177198
17 MEAT PRODUCTS	0.00001316	0.00000060	0.00013724	0.00000049	0.00000114	0.00000204	0.00005764	0.00000326
18 DAIRY MANUFACT	0.00000291	0.00000039	0.00001629	0.00000037	0.00000059	0.00000050	0.00000978	0.00000129
19 CAN,PRE,P,D,FROZ	0.00000903	0.00000160	0.00003236	0.00000087	0.00000305	0.00000308	0.00002183	0.00000278
20 OTH FOOD,KIN PRO	0.00028499	0.00001476	0.00043133	0.00008383	0.00285768	0.00000956	0.00006218	0.00004733
21 BEVERAGES	0.00005453	0.00001059	0.00005104	0.00001363	0.00003114	0.00001461	0.00010710	0.00053559
22 TEXTILE MILL PRO	0.00051459	0.00001517	0.00012395	0.00000746	0.00025838	0.00001539	0.00002774	0.00007840
23 WOOD,PAPER PROD	0.00372488	0.00026649	0.01924270	0.00154580	0.00043952	0.00063697	0.00013663	0.00082371
24 NEWS,PUBS,PRINT	0.00063369	0.00025856	0.00121109	0.00143905	0.00089910	0.00035373	0.00034713	0.00043302
25 CHEM,DRUG,REL PR	1.02172667	0.02469708	0.00706863	0.00017577	0.00046442	0.00024643	0.00061059	0.01129510
26 PETRO,REF,PROD	0.01031884	1.00759988	0.01580873	0.00185778	0.00072825	0.00015173	0.00215720	0.00119565
27 CLAY,CUT ST,SHEL	0.00013865	0.00001859	1.00092660	0.00151459	0.00002877	0.00002378	0.00004346	0.00002756
28 CEM,CONC PRODUCT	0.00134707	0.00016563	0.00409555	1.02441360	0.00007883	0.00003929	0.00027287	0.00009884
29 PRI MET,FOUND,FG	0.00358761	0.00015304	0.00053577	0.00466884	1.00010880	0.00003485	0.00707856	0.00181570
30 FAB ST,OTH MET	0.00193157	0.00012914	0.00179627	0.00008985	0.00006031	1.00050553	0.00527773	0.00632325
31 MACH,PROC EQUIP	0.00543744	0.00059080	0.00181568	0.00040568	0.00033728	0.00364703	1.00406500	0.00198338
32 ELEC,ELECT EQUIP	0.00017665	0.00010716	0.00083437	0.00011364	0.00017737	0.00003927	0.00110083	1.01081334
33 TRANSPORTN EQUIP	0.00065865	0.00006409	0.00025925	0.00007551	0.00003938	0.00001829	0.00060163	0.00004387
34 OTHER MANUFACT	0.00402886	0.00011353	0.00053214	0.00008670	0.00049028	0.00002013	0.00047851	0.00043905
35 HWY MOT FR,WRHSG	0.00969653	0.00274686	0.04225790	0.04727969	0.00188077	0.00016600	0.00168497	0.00162544
36 WATER TRANSPORTN	0.01107985	0.01627278	0.00408837	0.00092591	0.00080884	0.00010780	0.01363620	0.00048466
37 AIR TRANSPORTN	0.00153143	0.00083001	0.00055213	0.00015849	0.00015867	0.00004969	0.00121085	0.00161449
38 OTH TRANSPORTN S	0.06335160	0.00557086	0.16896134	0.04889036	0.03908770	0.00133593	0.00254849	0.00922145
39 COMMUNICATIONS	0.00625673	0.00236021	0.01466191	0.01040712	0.00492382	0.00782983	0.00731119	0.00690350
40 GAS SERVICES	0.04286970	0.00864156	0.04894194	0.00262271	0.00664214	0.00180686	0.00158716	0.00174782
41 ELECTRIC SERVICE	0.05151838	0.00638045	0.04962158	0.00197875	0.01920904	0.00504331	0.00326904	0.00449222
42 WATER,SANI SERVC	0.00065431	0.00081393	0.00149410	0.00105836	0.00158071	0.00078063	0.00077097	0.00038943
43 WHLSE AUTO,PT,SU	0.00151540	0.00069416	0.00179063	0.00213866	0.00014102	0.00003934	0.00086816	0.0002109
44 WHLSE GROC REL	0.00002821	0.00000213	0.00047449	0.00000170	0.00001558	0.00000420	0.00001968	0.00000444
45 WHLSE FARM PRO	0.00000189	0.00000013	0.00000924	0.00000043	0.00000143	0.00000025	0.00000351	0.00000374
46 WHLSE LIVESTOCK	0.00000026	0.00000003	0.00000208	0.00000003	0.00000039	0.00000004	0.00000086	0.00000009
47 WHLSE MAC	0.00302049	0.00159027	0.00748264	0.00422692	0.00025392	0.00236665	0.00410552	0.00158963
48 WHLSE PETRO,PROD	0.00230414	0.00173578	0.00118136	0.00071958	0.00011912	0.00002464	0.00063425	0.00020226
49 GEN WHLSE	0.00610893	0.00112563	0.00559836	0.00167580	0.03007536	0.01215397	0.00743624	0.00436444
50 RETAIL LUMBERYDS	0.00006146	0.00004019	0.00008630	0.00008801	0.00001592	0.00010008	0.00004676	0.00002130
51 FARM EQUIP DEAL	0.00000104	0.00000005	0.00000155	0.00000016	0.00000477	0.00000006	0.00000640	0.00000088
52 HRDW,HEAT,ELECT	0.00003419	0.00002298	0.00003578	0.00000672	0.00006700	0.00202068	0.00029386	0.00004113
53 DEPART,VAR STORE	0.00000001	0.00000000	0.00000001	0.00000001	0.00000001	0.00000000	0.00000023	0.00000008
54 FOOD STORES	0.00000623	0.00000302	0.00002705	0.00000113	0.00000351	0.00000287	0.00000954	0.00000259
55 AUTO DEAL REP SH	0.00452360	0.00065853	0.00140403	0.00586707	0.00024133	0.00017907	0.00031247	0.00037887
56 GAS SER STATIONS	0.00050702	0.00031875	0.00071636	0.00132576	0.00090047	0.00116332	0.00044664	0.00028889
57 APPAREL ACES STO	0.00000045	0.00000065	0.00000017	0.00000004	0.00000006	0.00000004	0.00000030	0.00000003

58 FURNITURE HOME	0.00000030	0.00000107	0.00000035	0.00000008	0.00000011	0.00000006	0.00000030	0.00001967
59 EATING DRNK PLAC	0.00016120	0.00004393	0.00025919	0.00003613	0.00007182	0.00001700	0.00034139	0.00003851
60 ALL OTHER RETAIL	0.00004569	0.00005980	0.00011689	0.00046060	0.00000597	0.00022424	0.00025549	0.00033386
61 BANK CREDIT AGEN	0.00156989	0.00051481	0.00192540	0.00072047	0.000918578	0.00035979	0.00082257	0.00032794
62 INS REAL EST FIN	0.00764213	0.00216772	0.00512928	0.00299120	0.00615240	0.00030834	0.00111235	0.00072626
63 LODGING SERVICES	0.00017478	0.00006831	0.00060221	0.00003103	0.00006330	0.00003266	0.00028314	0.00006500
64 PERSONAL SERVICE	0.00013220	0.00011708	0.00022275	0.00026786	0.00427271	0.00001786	0.00021603	0.00010137
65 ADV DUP ADD PHOT	0.01000358	0.00719278	0.00559281	0.00290797	0.01207473	0.00088379	0.00270267	0.00165739
66 MOTION PIC AMUSE	0.00010570	0.00001778	0.00008129	0.00002386	0.00028178	0.00001259	0.00012399	0.00001784
67 AUTO RENT PARK	0.00183768	0.00006402	0.00098989	0.00002687	0.00006712	0.00001724	0.00046221	0.00440000
68 MISCELL REP SERV	0.00097865	0.00096613	0.00858442	0.00017374	0.00234397	0.00012042	0.00058447	0.00029631
69 MEDICAL DENT SER	0.00001581	0.00001850	0.00000976	0.00000588	0.00012111	0.00015782	0.00001007	0.00003939
70 EDUCATION	0.00006539	0.00000642	0.00000882	0.00000864	0.00000609	0.00000232	0.00000780	0.00003099
71 PROFESSIONAL SER	0.00362655	0.00174376	0.00652986	0.00726339	0.00505402	0.00195806	0.00445876	0.00632438
TOTAL	1.45237329	1.60606481	1.59452214	1.21904939	1.18546024	1.04782942	1.08925370	1.09933262



INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	33	34	35	36	37	38	39	40
1 IRR COTTON	0.00000346	0.00000533	0.00000160	0.00000138	0.00000019	0.00004266	0.00000019	0.00000027
2 IRRIGATED GRAINS	0.00000002	0.00000040	0.00000011	0.00000010	0.00000002	0.00000211	0.00000001	0.00000002
3 VEG,CIT,OTH IRR	0.00000133	0.00001139	0.000000492	0.000000477	0.00000092	0.00000929	0.00000066	0.00000203
4 DRYLAND COTTON	0.00000002	0.00000042	0.00000014	0.00000012	0.00000002	0.00000381	0.00000002	0.00000002
5 DRYLAND FEED GRN	0.00000028	0.00001059	0.00000126	0.00000134	0.00000017	0.00002585	0.00000017	0.00000029
6 OTHER DRYLAND CR	0.00008321	0.01248487	0.000000196	0.000000159	0.00000065	0.00002407	0.00000427	0.00000091
7 RANGE,FEEDLOT LV	0.00000253	0.00001089	0.000000457	0.000000638	0.00000081	0.00000652	0.00000060	0.00000153
8 DAIRY,POULTRY,EG	0.00000040	0.00002436	0.00000184	0.000000341	0.00000031	0.00000147	0.00000025	0.00000045
9 AG SUPPLY	0.00000130	0.00018369	0.00000016	0.00000015	0.00000003	0.00000150	0.00000008	0.00000006
10 GINNING	0.00000041	0.00000069	0.00000021	0.00000018	0.00000003	0.00000563	0.00000003	0.00000004
11 AG SERVICES	0.00000426	0.00057250	0.00000069	0.00000077	0.00000012	0.00000724	0.00000027	0.00000021
12 FISHERIES	0.00000021	0.00000162	0.00000248	0.000000319	0.00000043	0.00000081	0.00000031	0.00000057
13 CR PET,NAT GAS,S	0.00186012	0.05382262	0.02218418	0.02366672	0.05768630	0.69570205	0.00323027	0.68104130
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00001173	0.00138137	0.00000029	0.00000041	0.00000021	0.00002346	0.00000052	0.00000255
16 FAC,OTH CONST	0.00028783	0.00720970	0.01264196	0.00559963	0.00090683	0.01984229	0.00064074	0.00266335
17 MEAT PRODUCTS	0.00000045	0.00000073	0.00000152	0.000000547	0.00000025	0.00000121	0.00000022	0.00000062
18 DAIRY MANUFACT	0.00000037	0.00000169	0.00000290	0.000000736	0.00000042	0.00000065	0.00000033	0.00000061
19 CAN,PRE,P,D,FROZ	0.00000087	0.00000686	0.00000966	0.00001263	0.00000166	0.00000330	0.00000120	0.00000231
20 OTH FOOD,KIN PRO	0.00000543	0.00013629	0.00004623	0.00003981	0.00000548	0.00124859	0.00000536	0.00000603
21 BEVERAGES	0.00000375	0.00009963	0.00022937	0.00020541	0.00003341	0.00003172	0.00002676	0.00002506
22 TEXTILE MILL PRO	0.00225046	0.00046419	0.00001168	0.00001366	0.00000253	0.00001865	0.00000510	0.00004309
23 WOOD,PAPER PROD	0.00038353	0.00515362	0.00078336	0.00059679	0.00011519	0.00078255	0.00009497	0.00018853
24 NEWS,PUBS,PRINT	0.00049015	0.00045052	0.00205287	0.00125420	0.00055977	0.00155354	0.01086139	0.00031210
25 CHEM,DRUG,REL PR	0.00047992	0.00807584	0.00095703	0.00110422	0.00298096	0.00174356	0.00013503	0.00139992
26 PETRO,REF,PROD	0.00012425	0.00198525	0.02098883	0.04068692	0.11375657	0.01488927	0.00113625	0.00796075
27 CLAY,CUT ST,SHEL	0.00002028	0.00006381	0.00005818	0.00004279	0.00000529	0.00038216	0.00000570	0.00001286
28 CEM,CONC PRODUCT	0.00003394	0.00094332	0.00065149	0.00031081	0.00005036	0.00099368	0.00004807	0.00013695
29 PRI MET,FOUND,FG	0.00001661	0.00058718	0.00001481	0.00428591	0.00001864	0.00192408	0.00000767	0.00007432
30 FAB ST,OTH MET	0.00389709	0.00140622	0.00027274	0.00012777	0.00003197	0.00092328	0.00010738	0.00011044
31 MACH,PROC EQUIP	0.00102469	0.00212633	0.00006956	0.00012165	0.00007274	0.00822658	0.00002670	0.00097586
32 ELEC,ELECT EQUIP	0.00155786	0.00022135	0.00010991	0.00010380	0.00002893	0.00197276	0.00145912	0.00013741
33 TRANSPORTN EQUIP	1.00001945	0.00021799	0.00028310	0.00012566	0.00002101	0.00078802	0.00011403	0.00006114
34 OTHER MANUFACT	0.00661983	1.00342085	0.00007701	0.00006953	0.00001714	0.00154132	0.00032580	0.00001356
35 HWY MOT FR,WRHSG	0.00167910	0.00253506	1.00176660	0.00112305	0.00110846	0.00308272	0.00136409	0.00272524
36 WATER TRANSPORTN	0.00006568	0.00146836	0.00064142	1.25619196	0.00185234	0.01793884	0.00009421	0.01744158
37 AIR TRANSPORTN	0.00028757	0.00034806	0.00070578	0.00058347	1.10738480	0.00156378	0.00101333	0.00107157
38 OTH TRANSPORTN S	0.00081294	0.07223535	0.00103953	0.00395803	0.00067568	1.01302698	0.000194136	0.00091965
39 COMMUNICATIONS	0.00395422	0.00951358	0.06296193	0.00803175	0.00648879	0.00473127	1.00508397	0.00518514
40 GAS SERVICES	0.00182387	0.00526181	0.01662243	0.00138306	0.00169340	0.00513659	0.00202015	1.01241781
41 ELECTRIC SERVICE	0.00519263	0.01855296	0.02272311	0.00427077	0.00142740	0.00826323	0.00798650	0.00277843
42 WATER,SANI SERVC	0.00113655	0.00122540	0.00181937	0.00083143	0.00024192	0.00058137	0.00116018	0.00032851
43 WHLSE AUTO,PT,SU	0.00013088	0.00023537	0.03332149	0.04421612	0.00011225	0.00147958	0.00005616	0.00072161
44 WHLSE GROC REL	0.00000092	0.00000510	0.00000922	0.00000824	0.00000176	0.00000789	0.00000119	0.00000222
45 WHLSE FARM PRO	0.00000067	0.00007662	0.00000042	0.00000052	0.00000007	0.00000089	0.00000008	0.00000011
46 WHLSE LIVESTOCK	0.00000006	0.00000039	0.00000011	0.00000016	0.00000002	0.00000016	0.00000001	0.00000004
47 WHLSE MAC	0.02342319	0.00389440	0.00015792	0.00167031	0.00021748	0.00147804	0.00005830	0.00138570
48 WHLSE PETRO,PROD	0.00003045	0.00029649	0.01293527	0.00028150	0.00776874	0.00222621	0.00003405	0.00038969
49 GEN WHLSE	0.00817676	0.00480139	0.00400286	0.04986506	0.00028965	0.00369986	0.00028362	0.00141519
50 RETAIL LUMBERYDS	0.00110619	0.00117514	0.00002035	0.00082556	0.00000595	0.00004991	0.00012066	0.00003277
51 FARM EQUIP DEAL	0.00000070	0.00009167	0.00000015	0.00000015	0.00000002	0.00000226	0.00000005	0.00000004
52 HRDW,HEAT,ELECT	0.00002510	0.00013740	0.00002207	0.00088836	0.00000409	0.00003714	0.00016889	0.00003649
53 DEPART,VAR STORE	0.00000001	0.00000001	0.00000002	0.00000001	0.00000001	0.00000002	0.00000011	0.00000000
54 FOOD STORES	0.00000106	0.00000532	0.00001591	0.00001380	0.00000288	0.00000486	0.00000201	0.00000039
55 AUTO DEAL REP SH	0.00037381	0.00107869	0.00041741	0.00025228	0.00011600	0.00105196	0.00007360	0.00139688
56 GAS SER STATIONS	0.00086697	0.00038021	0.00076779	0.00033742	0.00038565	0.00043329	0.00015281	0.00043222
57 APPAREL ACES STO	0.00000000	0.00000013	0.00000005	0.00005005	0.00000008	0.00000072	0.00000001	0.00000070



58 FURNITURE HOME	0.00000003	0.00000012	0.00000008	0.00000009	0.00000013	0.00000150	0.00000004	0.00000143
59 EATING DRNK PLAC	0.00004273	0.00007586	0.00052448	0.00043501	0.00009261	0.00008915	0.00005930	0.00007636
60 ALL OTHER RETAIL	0.00002013	0.00001928	0.00001867	0.00002359	0.00000898	0.00004301	0.00000721	0.00003115
61 BANK CREDIT AGEN	0.00167654	0.00115303	0.00508963	0.01313421	0.00076479	0.00145484	0.00166780	0.00332352
62 INS REAL EST FIN	0.00028095	0.00191578	0.05213444	0.04662354	0.00755067	0.00641610	0.00582228	0.00538551
63 LODGING SERVICES	0.00003163	0.00015571	0.00045478	0.00038811	0.00008102	0.00012023	0.00005774	0.00010661
64 PERSONAL SERVICE	0.00083662	0.00209595	0.00001381	0.00004350	0.00001410	0.00114013	0.00000614	0.00015171
65 ADV DUP ADD PHOT	0.03658985	0.00169513	0.03276152	0.00422800	0.01844021	0.00759896	0.00636676	0.00547684
66 MOTION PIC AMUSE	0.00005429	0.00023414	0.00016614	0.00040388	0.00002488	0.00004669	0.00017289	0.00010281
67 AUTO RENT PARK	0.00008727	0.00004976	0.00010448	0.00007543	0.00005138	0.00018708	0.00009202	0.00003218
68 MISCELL REP SERV	0.00076147	0.00121981	0.00047435	0.00113142	0.00022226	0.00132060	0.00027510	0.00344035
69 MEDICAL DENT SER	0.00000119	0.00000603	0.00009285	0.00009589	0.00001505	0.00001226	0.00001043	0.00000988
70 EDUCATION	0.00000769	0.00002719	0.00003438	0.00025482	0.00000139	0.00000663	0.00000325	0.00000940
71 PROFESSIONAL SER	0.00650679	0.00283315	0.02960039	0.02242299	0.00067314	0.00258878	0.00157793	0.00533255
TOTAL	1.11517255	1.23588895	1.34288780	1.54244810	1.33401739	1.83854726	1.05597367	1.76733821

INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	41	42	43	44	45	46	47	48
1 IRR COTTON	0.00000062	0.00000143	0.00000008	0.00002120	0.00000179	0.00000097	0.00000016	0.00000087
2 IRRIGATED GRAINS	0.00000003	0.00000004	0.00000001	0.00000327	0.00000021	0.00000009	0.00000001	0.00000005
3 VEG,CIT,OTH IRR	0.000000076	0.000000093	0.000000041	0.00035572	0.000000774	0.000000614	0.00000055	0.00000053
4 DRYLAND COTTON	0.00000004	0.00000005	0.00000001	0.00000189	0.00000016	0.00000009	0.00000001	0.00000008
5 DRYLAND FEED GRN	0.000000033	0.000000043	0.000000014	0.000001409	0.000000642	0.000000093	0.00000018	0.00000072
6 OTHER DRYLAND CR	0.000000070	0.0000000869	0.000001409	0.00001017	0.000003675	0.000000156	0.000000478	0.00000093
7 RANGE,FEEDLOT LV	0.000000068	0.000000078	0.000000044	0.00003702	0.000001133	0.000000553	0.000000074	0.00000073
8 DAIRY,POULTRY,EG	0.000000025	0.000000035	0.000000021	0.00000390	0.000000491	0.000000213	0.00000044	0.00000102
9 AG SUPPLY	0.000000004	0.000000017	0.000000022	0.000000622	0.000000080	0.000000016	0.000000009	0.00000005
10 GINNING	0.000000008	0.000000018	0.000000001	0.000000280	0.000000035	0.000000013	0.000000002	0.00000012
11 AG SERVICES	0.000000016	0.000000062	0.000000069	0.00001585	0.000000301	0.000000067	0.000000030	0.00000025
12 FISHERIES	0.000000028	0.000000025	0.000000017	0.00086112	0.000000123	0.000000304	0.000000031	0.00000064
13 CR PET,NAT GAS,S	0.09570018	0.01173227	0.00168439	0.00281493	0.03569607	0.00274296	0.00246809	0.03655386
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CON	0.000000055	0.000000226	0.000000152	0.00000030	0.000000070	0.000000025	0.00000003	0.00000016
16 FAC,OTH CONST	0.00279810	0.05647308	0.00024078	0.00028106	0.00132596	0.02897531	0.00059584	0.00028629
17 MEAT PRODUCTS	0.000000033	0.000000063	0.000000031	0.00000409	0.000001592	0.000000158	0.00000083	0.00000096
18 DAIRY MANUFACT	0.000000037	0.000000030	0.000000026	0.00000069	0.000000535	0.000000322	0.000000099	0.000000263
19 CAN,PRE,P,D,FROZ	0.000000112	0.000000098	0.000000068	0.000367443	0.000000518	0.000001180	0.00000128	0.00000270
20 OTH FOOD,KIN PRO	0.000001215	0.000001737	0.000000220	0.00061983	0.000005110	0.000002787	0.000000442	0.000002519
21 BEVERAGES	0.000002180	0.000001993	0.000001454	0.00000733	0.000007521	0.00028787	0.000001203	0.00000599
22 TEXTILE MILL PRO	0.00013996	0.00057748	0.00000241	0.00002268	0.00002969	0.00001374	0.00000486	0.00000394
23 WOOD,PAPER PROD	0.00015546	0.00176069	0.000001981	0.00004814	0.00019903	0.00046023	0.00007516	0.00002036
24 NEWS,PUBS,PRINT	0.00180236	0.00060944	0.00054275	0.00118128	0.00064974	0.00201012	0.00093273	0.00038755
25 CHEM,DRUG,REL PR	0.00030517	0.01178509	0.00009255	0.00020934	0.00020756	0.00068525	0.00012848	0.00010725
26 PETRO,REF,PROD	0.00279539	0.00495245	0.00082508	0.00016981	0.00135008	0.00054849	0.00059036	0.00046686
27 CLAY,CUT ST,SHEL	0.000002101	0.00229097	0.00000374	0.00000601	0.00001824	0.00012772	0.00000825	0.00000268
28 CEM,CONC PRODUCT	0.00022689	0.01766100	0.00003104	0.00004593	0.00008516	0.00146433	0.00006748	0.00002346
29 PRI MET,FOUND,FG	0.00003495	0.00020086	0.00000216	0.00000390	0.00006167	0.00001934	0.00000441	0.00000559
30 FAB ST,OTH MET	0.00008522	0.00132486	0.00001321	0.00004133	0.00019104	0.00059435	0.00002492	0.00001591
31 MACH,PROC EQUIP	0.00020112	0.00051498	0.00000793	0.00002274	0.00022635	0.00008272	0.00016993	0.00005627
32 ELEC,ELECT EQUIP	0.00007600	0.00070950	0.00004885	0.00005114	0.00039665	0.00004492	0.00008826	0.00025332
33 TRANSPORTN EQUIP	0.00007198	0.00124320	0.00000842	0.000352129	0.00004045	0.00063495	0.00051268	0.00000317
34 OTHER MANUFACT	0.00002404	0.00067498	0.00108998	0.00016347	0.00008038	0.00002509	0.00035476	0.00000904
35 HWY MOT FR,WRHSG	0.00197220	0.00140189	0.00129976	0.00115944	0.02933834	0.00239322	0.00054355	0.00037654
36 WATER TRANSPORTN	0.00245888	0.00040808	0.00004672	0.00007498	0.00092087	0.00007909	0.00006868	0.00093682
37 AIR TRANSPORTN	0.00020393	0.00013008	0.000717980	0.00011882	0.00034238	0.00048897	0.000430835	0.00010208
38 OTH TRANSPORTN S	0.00733305	0.00262024	0.00029964	0.00065128	0.02029282	0.00069999	0.00079549	0.00034501
39 COMMUNICATIONS	0.00778106	0.00517640	0.02906978	0.01822072	0.01946045	0.01760827	0.04210916	0.01570019
40 GAS SERVICES	0.13373247	0.01018108	0.00160209	0.00340915	0.03186344	0.00293058	0.00244281	0.05400315
41 ELECTRIC SERVICE	1.00093773	0.07077437	0.00513645	0.01427186	0.07084756	0.01223639	0.00966921	0.00570186
42 WATER,SANI SERVC	0.00319112	1.09195050	0.00134198	0.00229812	0.00119278	0.00225444	0.00274224	0.00066134
43 WHLSE AUTO,PT,SU	0.00025044	0.00012077	1.00014702	0.00007231	0.00113749	0.00014260	0.00208370	0.00006235
44 WHLSE GROC REL	0.00000118	0.00000222	0.00000086	1.00004648	0.00002259	0.00000154	0.00000072	0.00000070
45 WHLSE FARM PRO	0.00000008	0.00000050	0.00000011	0.00000289	1.00059137	0.00000038	0.00000009	0.00000011
46 WHLSE LIVESTOCK	0.00000002	0.00000002	0.00000001	0.00000086	0.00000028	1.00000014	0.00000002	0.00000002
47 WHLSE MAC	0.00049112	0.01552884	0.00016343	0.00216067	0.00121211	0.00014514	1.00013913	0.00010695
48 WHLSE PETRO,PROD	0.00019798	0.00143162	0.00007082	0.00004136	0.00045061	0.00004326	0.00004503	1.000002640
49 GEN WHLSE	0.00079346	0.00413866	0.00012729	0.00029987	0.00343398	0.000745314	0.00034945	0.00020726
50 RETAIL LUMBERYDS	0.00003741	0.00005005	0.00000516	0.00000747	0.00000763	0.00002453	0.00000696	0.00000390
51 FARM EQUIP DEAL	0.00000004	0.00000012	0.00000011	0.00000355	0.00000066	0.00000013	0.00000005	0.00000006
52 HRDW,HEAT,ELECT	0.00011903	0.00002087	0.00000588	0.00000868	0.00001953	0.00001983	0.00000898	0.00000511
53 DEPART,VAR STORE	0.00000002	0.00000001	0.00000001	0.00000001	0.00000001	0.00000002	0.00000001	0.00000000
54 FOOD STORES	0.00000185	0.00000145	0.00000106	0.00002276	0.00000509	0.00002006	0.00000097	0.00000044
55 AUTO DEAL REP SH	0.00527649	0.00137883	0.00004541	0.00013054	0.00073272	0.00060718	0.00009697	0.00013539
56 GAS SER STATIONS	0.00023697	0.00018279	0.00041363	0.00087658	0.00091818	0.00516882	0.00017330	0.00043666
57 APPAREL ACES STO	0.00000010	0.00000002	0.00000000	0.00000001	0.00000004	0.00000003	0.00000000	0.00000004

58 FURNITURE HOME	0.00000021	0.00000004	0.00000001	0.00000001	0.00000008	0.00000005	0.00000001	0.00000008
59 EATING DRNK PLAC	0.00005157	0.00004431	0.00003493	0.00007596	0.00016853	0.00064443	0.00005049	0.00072761
60 ALL OTHER RETAIL	0.00000821	0.00004103	0.00000308	0.00006284	0.00008379	0.00002824	0.00016621	0.00000545
61 BANK CREDIT AGEN	0.00543808	0.00207410	0.01473885	0.00417513	0.00311964	0.05431747	0.06527932	0.01550646
62 INS REAL EST FIN	0.00481163	0.00432594	0.00309784	0.00092663	0.00257643	0.06547819	0.00260804	0.00055663
63 LODGING SERVICES	0.00004984	0.00004064	0.00002960	0.00001932	0.00007118	0.00057459	0.00002745	0.00001014
64 PERSONAL SERVICE	0.00003148	0.00002964	0.00000803	0.00011857	0.00018523	0.00002526	0.00001713	0.00001453
65 ADV DUP ADD PHOT	0.00235961	0.00166344	0.00426716	0.01229681	0.00295561	0.04907711	0.00704115	0.00215303
66 MOTION PIC AMUSE	0.00016732	0.00006499	0.00045379	0.00013054	0.00010078	0.00166295	0.00199908	0.00047557
67 AUTO RENT PARK	0.00005203	0.00003963	0.00001609	0.00008185	0.00023375	0.00013222	0.00002504	0.00051955
68 MISCELL REP SERV	0.00178885	0.00022936	0.00272201	0.00975643	0.22266432	0.00036934	0.00113508	0.00379215
69 MEDICAL DENT SER	0.00000862	0.00000803	0.00000552	0.00000166	0.00000465	0.00011628	0.00000465	0.00000102
70 EDUCATION	0.00000592	0.00000292	0.00000336	0.00001211	0.00006196	0.00002595	0.00003571	0.00000883
71 PROFESSIONAL SER	0.00457390	0.00178721	0.00284202	0.01048295	0.05416351	0.02223093	0.03126302	0.00755404
TOTAL	1.28884203	1.32841689	1.07982842	1.09624217	1.50996661	1.28579429	1.18129152	1.14843360

INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	49	50	51	52	53	54	55	56
1 IRR COTTON	0.00000040	0.00000004	0.00000006	0.00000018	0.00000052	0.00000065	0.00000032	0.00000010
2 IRRIGATED GRAINS	0.00000002	0.00000000	0.00000001	0.00000001	0.00000004	0.00000004	0.00000003	0.00000001
3 VEG,CIT,OTH IRR	0.00000081	0.00000002	0.00000033	0.00000025	0.00000233	0.00000047	0.00000197	0.00000013
4 DRYLAND COTTON	0.00000001	0.00000000	0.00000000	0.00000001	0.00000004	0.00000006	0.00000003	0.00000001
5 DRYLAND FEED GRN	0.00000024	0.00000003	0.00000024	0.00000019	0.00000053	0.00000059	0.00000042	0.00000010
6 OTHER DRYLAND CR	0.00000110	0.00000011	0.00000159	0.00000034	0.00000139	0.00000144	0.00000124	0.00000016
7 RANGE,FEEDLOT LV	0.00000132	0.00000005	0.00000045	0.00000080	0.00000223	0.00000061	0.00000196	0.00000044
8 DAIRY,POULTRY,EG	0.00000037	0.00000004	0.00000019	0.00000062	0.00000098	0.00000027	0.00000082	0.00000035
9 AG SUPPLY	0.00000004	0.00000000	0.00000003	0.00000002	0.00000008	0.00000005	0.00000006	0.00000001
10 GINNING	0.00000005	0.00000000	0.00000001	0.00000002	0.00000007	0.00000009	0.00000005	0.00000001
11 AG SERVICES	0.00000018	0.00000001	0.00000012	0.00000010	0.00000033	0.00000021	0.00000027	0.00000005
12 FISHERIES	0.00000038	0.00000001	0.00000005	0.00000034	0.00000112	0.00000013	0.00000096	0.00000019
13 CR PET,NAT GAS,S	0.00395851	0.00027556	0.00111376	0.00457304	0.00219579	0.00278892	0.00245983	0.00511975
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CON	0.00000007	0.00000001	0.00000003	0.00000008	0.00000006	0.00000004	0.00000006	0.00000005
16 FAC,OTH CONST	0.00049529	0.00002144	0.00010966	0.00075158	0.00059308	0.00026320	0.00073912	0.00039938
17 MEAT PRODUCTS	0.00000056	0.00000008	0.00000060	0.00000127	0.00000097	0.00000065	0.00000097	0.00000073
18 DAIRY MANUFACT	0.00000058	0.00000005	0.00000018	0.00000154	0.00000136	0.00000030	0.00000126	0.00000090
19 CAN,PRES,P,D,FROZ	0.00000149	0.00000005	0.00000023	0.00000143	0.00000441	0.00000054	0.00000374	0.00000080
20 OTH FOOD,KIN PRO	0.00000482	0.00000089	0.00000152	0.00000481	0.00001454	0.00001889	0.00000914	0.00000260
21 BEVERAGES	0.00003068	0.00000041	0.00000350	0.00000372	0.00008795	0.00001121	0.00008877	0.00000117
22 TEXTILE MILL PRO	0.00015880	0.00000335	0.00000242	0.00000938	0.00001430	0.00000657	0.00000622	0.00000734
23 WOOD,PAPER PROD	0.00012961	0.00011639	0.00001568	0.00010284	0.00059301	0.00012644	0.00007792	0.00002222
24 NEWS,PUBS,PRINT	0.00090772	0.00075965	0.00125689	0.01484288	0.04548905	0.00816302	0.01084202	0.00076933
25 CHEM,DRUG,REL PR	0.00015627	0.00000532	0.00005099	0.00009113	0.00027777	0.00004665	0.00012827	0.00004360
26 PETRO,REF,PROD	0.00014360	0.00001156	0.00006467	0.00035386	0.00021065	0.00008453	0.00025953	0.00015612
27 CLAY,CUT ST,SHEL	0.00001055	0.00000051	0.00000334	0.00001429	0.00000457	0.00000717	0.00000916	0.00000655
28 CEM,CONC PRODUCT	0.00008397	0.00000383	0.00002446	0.00011543	0.00003969	0.00005534	0.00007747	0.00005452
29 PRI MET,FOUND,FG	0.00000337	0.00000034	0.00000197	0.00000439	0.00000378	0.00000257	0.00000321	0.00000318
30 FAB ST,OTH MET	0.00002140	0.00005881	0.00001845	0.00013045	0.00036368	0.00007388	0.00015711	0.00001530
31 MACH,PROC EQUIP	0.00001386	0.00000169	0.00000601	0.00002039	0.00001453	0.00001016	0.00001269	0.00001582
32 ELEC,ELECT EQUIP	0.00004182	0.00000971	0.00005484	0.00001897	0.00004150	0.00002067	0.00005587	0.00000682
33 TRANSPORTN EQUIP	0.00001312	0.00000074	0.00000539	0.00001785	0.00001544	0.00000649	0.00000193	0.00000947
34 OTHER MANUFACT	0.00002492	0.00000324	0.00001189	0.00001697	0.00001784	0.00000657	0.00001745	0.00000738
35 HWY MOT FR,WRHSG	0.00083190	0.00007304	0.00020216	0.01013518	0.00471593	0.00015984	0.00702224	0.00011066
36 WATER TRANSPORTN	0.00010343	0.00001178	0.00002987	0.00012790	0.00008673	0.00007695	0.00007136	0.00013224
37 AIR TRANSPORTN	0.00010882	0.00000481	0.00004573	0.00016432	0.00024057	0.00002429	0.00016528	0.00009669
38 OTH TRANSPORTN S	0.00059924	0.00008772	0.00031268	0.00125838	0.00066303	0.00041832	0.00059358	0.00090796
39 COMMUNICATIONS	0.01886431	0.00180529	0.02786194	0.00689170	0.01690146	0.00327672	0.03009738	0.00077218
40 GAS SERVICES	0.00519811	0.00031461	0.00129757	0.00530250	0.00243455	0.00368379	0.00287785	0.00662528
41 ELECTRIC SERVICE	0.01462855	0.00095349	0.00477220	0.01874208	0.01423665	0.01551180	0.01008861	0.04149956
42 WATER,SANI SERVC	0.00431901	0.00019913	0.00138159	0.00568433	0.00070796	0.00305638	0.00297031	0.00241657
43 WHLSE AUTO,PT,SU	0.00005325	0.00000453	0.00001028	0.00044597	0.00018204	0.00001451	0.00026630	0.00007415
44 WHLSE GROC REL	0.00000163	0.00000006	0.00000095	0.00000025	0.00000445	0.00000121	0.00000384	0.00000311
45 WHLSE FARM PRO	0.00000009	0.00000003	0.00000004	0.00000009	0.00000026	0.00000007	0.00000012	0.00000004
46 WHLSE LIVESTOCK	0.00000003	0.00000000	0.00000001	0.00000002	0.00000006	0.00000002	0.00000005	0.00000001
47 WHLSE MAC	0.00010644	0.00001635	0.00007215	0.00011846	0.00013752	0.00010444	0.00010214	0.00005702
48 WHLSE PETRO,PROD	0.00002200	0.00000180	0.00000670	0.00014597	0.00006878	0.00001036	0.00009946	0.00001383
49 GEN WHLSE	1.00434641	0.00004650	0.00014528	0.00040518	0.00048550	0.00019058	0.00033417	0.00019962
50 RETAIL LUMBERYDS	0.00000353	1.00000054	0.00000363	0.00000240	0.00000435	0.00000147	0.00000475	0.00000491
51 FARM EQUIP DEAL	0.00000004	0.00000000	1.00000003	0.00000002	0.00000007	0.00000005	0.00000005	0.00000001
52 HRDW,HEAT,ELECT	0.00183201	0.00000063	0.00000553	1.00000047	0.00000622	0.00000292	0.00000721	0.00000539
53 DEPART,VAR STORE	0.00000001	0.00000007	0.00000001	0.00000014	1.00000042	0.00000007	0.00000010	0.00000001
54 FOOD STORES	0.00000224	0.00000003	0.00000030	0.00000027	0.00000726	1.00000075	0.00000600	0.00000010
55 AUTO DEAL REP SH	0.00013000	0.00001148	0.00004313	0.00016290	0.00021374	0.00010416	1.00001016	0.00024346
56 GAS SER STATIONS	0.00233645	0.00027886	0.00467824	0.00010226	0.00067725	0.00030613	0.00157700	1.00004752
57 APPAREL ACES STO	0.00000001	0.00000000	0.00000000	0.00000001	0.00000002	0.00000000	0.00000001	0.00000001

58 FURNITURE HOME	0.00000001	0.00000000	0.00000000	0.00000000	0.00000002	0.00000001	0.00000002	0.00000001
59 EATING DRNK PLAC	0.00007578	0.00000097	0.00000899	0.00004209	0.00026241	0.00002331	0.00019525	0.00002339
60 ALL OTHER RETAIL	0.00000509	0.00000374	0.00000375	0.00001759	0.00002623	0.00000712	0.00001095	0.00000694
61 BANK CREDIT AGEN	0.01133809	0.00001139	0.00008869	0.00019056	0.01538464	0.00195858	0.00660283	0.00023875
62 INS REAL EST FIN	0.00669796	0.00002232	0.00021534	0.00070414	0.01945090	0.00197877	0.01981783	0.00022859
63 LODGING SERVICES	0.00006301	0.00000056	0.00000586	0.00000736	0.00020907	0.00001854	0.00016985	0.00000264
64 PERSONAL SERVICE	0.00019782	0.00000109	0.00000689	0.00000411	0.00001168	0.00000794	0.00000774	0.00000242
65 ADV DUP ADD PHOT	0.00911487	0.00008156	0.00277814	0.00095403	0.02354381	0.00027845	0.00754012	0.00036254
66 MOTION PIC AMUSE	0.00034907	0.00000063	0.00000617	0.00000974	0.00047277	0.00006035	0.00020640	0.00000921
67 AUTO RENT PARK	0.00040541	0.00005002	0.00002246	0.00010380	0.00193943	0.00006270	0.00009690	0.00000984
68 MISCELL REP SERV	0.00366259	0.00035458	0.00871015	0.00017424	0.00363121	0.00802349	0.00491316	0.00013286
69 MEDICAL DENT SER	0.00001189	0.00000006	0.00000039	0.00000129	0.00003461	0.00000353	0.00003520	0.00000041
70 EDUCATION	0.00001012	0.00000180	0.00000051	0.00006383	0.00001168	0.00000361	0.00001762	0.00003744
71 PROFESSIONAL SER	0.00873857	0.00074111	0.00029492	0.05446478	0.00514334	0.00224775	0.01418216	0.03281854
TOTAL	1.10036373	1.01319173	1.05576188	1.12751153	1.16189023	1.05331739	1.12516244	1.09372754



INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	57	58	59	60	61	62	63	64
1 IRR COTTON	0.00000067	0.00000052	0.00112613	0.00000037	0.00000047	0.00001145	0.00010348	0.00000689
2 IRRIGATED GRAINS	0.00000006	0.00000004	0.00005662	0.00000003	0.00000003	0.00000116	0.00007021	0.00000108
3 VEG,CIT,OTH IRR	0.000000330	0.00000220	0.00010789	0.00000109	0.00000082	0.00008778	0.00962300	0.00000134
4 DRYLAND CDTTON	0.00000006	0.00000004	0.00010059	0.00000003	0.00000004	0.00000102	0.00000923	0.00000055
5 DRYLAND FEED GRN	0.00000075	0.00000042	0.00080757	0.00000043	0.00000037	0.00001146	0.00040925	0.00005975
6 OTHER DRYLAND CR	0.00000176	0.00000063	0.00021860	0.00000109	0.00000063	0.00000473	0.00019078	0.00001493
7 RANGE,FEEDLOT LV	0.00000312	0.00000209	0.00046813	0.00000131	0.00000136	0.00007560	0.00720830	0.00244495
8 DAIRY,POULTRY,EG	0.00000123	0.00000089	0.00117892	0.00000075	0.00000038	0.00002736	0.00172878	0.00000362
9 AG SUPPLY	0.00000010	0.00000006	0.00003505	0.00000005	0.00000004	0.00000192	0.00017303	0.00000530
10 GINNING	0.00000009	0.00000007	0.00014849	0.00000005	0.00000006	0.00000151	0.00001364	0.00000090
11 AG SERVICES	0.00000044	0.00000027	0.00022873	0.00000022	0.00000018	0.00000820	0.00064064	0.00008222
12 FISHERIES	0.00000154	0.00000109	0.00017639	0.00000056	0.00000042	0.00004291	0.00432619	0.0000018
13 CR PET,NAT GAS,S	0.00765013	0.00594114	0.00362144	0.00491769	0.00143840	0.00441495	0.00800650	0.00838686
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00000017	0.00000009	0.00000155	0.00000011	0.00000006	0.00000023	0.00000123	0.00000166
16 FAC,OTH CONST	0.00108552	0.00119424	0.00148187	0.00061845	0.00330248	0.01958750	0.04475270	0.00664337
17 MEAT PRODUCTS	0.00000128	0.00000072	0.00072167	0.00000105	0.00000044	0.00001445	0.00064457	0.00000063
18 DAIRY MANUFACT	0.00000174	0.00000116	0.00325698	0.00000147	0.00000061	0.00003856	0.00074316	0.00000041
19 CAN,PRE,P,D,FROZ	0.00000598	0.00000422	0.00075083	0.00000223	0.00000166	0.00016492	0.01845998	0.00000076
20 OTH FOOD,KIN PRO	0.00001919	0.00001289	0.03297272	0.00001069	0.00001360	0.00033473	0.00302532	0.00018031
21 BEVERAGES	0.00015345	0.00010623	0.00337568	0.00004384	0.00003243	0.00448158	0.00065407	0.00064829
22 TEXTILE MILL PRO	0.00000996	0.00005604	0.00015675	0.00000675	0.00000411	0.00001645	0.00010598	0.00050168
23 WOOD,PAPER PROD	0.00011610	0.00049822	0.00036462	0.00007793	0.00010890	0.00045792	0.00424069	0.00018357
24 NEWS,PUBS,PRINT	0.01805479	0.06568715	0.00356422	0.00887324	0.00486897	0.01693013	0.00250788	0.00291152
25 CHEM,DRUG,REL PR	0.00012338	0.00020447	0.00037719	0.00014265	0.00019423	0.00046265	0.00184585	0.00027894
26 PETRO,REF,PROD	0.00250793	0.00021339	0.00032049	0.00330487	0.00012934	0.00074168	0.00164053	0.00040763
27 CLAY,CUT ST,SHEL	0.00000928	0.00002174	0.00002182	0.00000939	0.00001605	0.00009580	0.00026951	0.00004180
28 CEM,CONC PRODUCT	0.00007561	0.00017757	0.00016457	0.00007699	0.00017624	0.00101017	0.00278817	0.00039508
29 PRI MET,FOUND,FG	0.00001164	0.00000506	0.00000807	0.00000385	0.00000384	0.00001462	0.00000381	0.00000084
30 FAB ST,OTH MET	0.00016805	0.00052824	0.00007647	0.00008521	0.00010491	0.00052217	0.00098157	0.00016614
31 MACH,PRDC EQUIP	0.00004981	0.00002429	0.00014070	0.00003365	0.00001596	0.00006901	0.00030721	0.00013549
32 ELEC,ELECT EQUIP	0.00007688	0.00002975	0.00004170	0.00005848	0.00002773	0.00005252	0.00006762	0.00000049
33 TRANSPORTN EQUIP	0.00002946	0.00002741	0.00004980	0.00001542	0.00007392	0.00043460	0.00138303	0.00014864
34 OTHER MANUFACT	0.00002602	0.00002148	0.00004246	0.00001345	0.00001067	0.00002883	0.00023901	0.00009261
35 HWY MOT FR,WRHSG	0.00485629	0.00997983	0.00033117	0.00021869	0.00077333	0.00159221	0.00025473	0.00025473
36 WATER TRANSPORTN	0.00021583	0.00019432	0.00010031	0.00014285	0.00004174	0.00012971	0.00022869	0.00022110
37 AIR TRANSPORTN	0.02145090	0.00012433	0.00018349	0.00040581	0.00013067	0.00327442	0.00006553	0.00007062
38 OTH TRANSPORTN S	0.00473188	0.00076222	0.00125284	0.00072455	0.00050374	0.00098639	0.00102885	0.00068182
39 COMMUNICATIONS	0.03598315	0.00234981	0.00667542	0.01364362	0.01521055	0.02323369	0.00890713	0.02970425
40 GAS SERVICES	0.00480505	0.00794487	0.00388123	0.00418232	0.00153005	0.00502155	0.00956525	0.01153690
41 ELECTRIC SERVICE	0.02810193	0.02848954	0.01581288	0.01568427	0.00500249	0.01473599	0.05445863	0.02864107
42 WATER,SANI SERV	0.00151028	0.00860392	0.00663810	0.00335048	0.00092991	0.00298694	0.04202862	0.00447778
43 WHLSE AUTO,PT,SU	0.00019548	0.00005022	0.00006982	0.00005350	0.00005068	0.00013137	0.00008092	0.00011625
44 WHLSE GROC REL	0.00000636	0.00000412	0.00016432	0.00000211	0.00000161	0.00016370	0.01453423	0.00000001
45 WHLSE FARM PRO	0.00000019	0.00000023	0.00010420	0.00000011	0.00000008	0.00000369	0.00027257	0.00000017
46 WHLSE LIVESTOCK	0.00000008	0.00000005	0.00001751	0.00000003	0.00000003	0.00000187	0.00017295	0.00000023
47 WHLSE MAC	0.00011404	0.00024926	0.00070686	0.00010318	0.00005487	0.00017472	0.00099091	0.00014469
48 WHLSE PETRO,PROD	0.00023025	0.00003345	0.00007423	0.00188918	0.00001495	0.00005633	0.00023061	0.00005508
49 GEN WHLSE	0.00047246	0.00060351	0.00654111	0.00033602	0.00205704	0.00399911	0.00266014	0.00183443
50 RETAIL LUMBERYDS	0.00000660	0.00000348	0.00001144	0.00000301	0.00000467	0.00001916	0.00009833	0.00002723
51 FARM EQUIP DEAL	0.00000009	0.00000005	0.00006570	0.00000005	0.00000004	0.00000157	0.00010292	0.00000089
52 HRDW,HEAT,ELECT	0.00001072	0.00000610	0.00003277	0.00000505	0.00000719	0.00001557	0.00012364	0.00000006
53 DEPART,VAR STORE	0.00000017	0.00000060	0.00000003	0.00000008	0.00000004	0.00000016	0.00000002	0.00000003
54 FOOD STORES	0.00001012	0.00000713	0.00001737	0.00000289	0.00000249	0.00029412	0.03257345	0.00000072
55 AUTO DEAL REP SH	0.00020110	0.00023000	0.00025019	0.00012464	0.00011582	0.00048674	0.00139496	0.01467229
56 GAS SER STATIONS	0.00057659	0.00030495	0.00055913	0.00008332	0.00033080	0.00171111	0.00025747	0.00005596
57 APPAREL ACES STO	1.00000003	0.00000003	0.00000005	0.00000001	0.00000001	0.00000044	0.00000009	0.00000002



58 FURNITURE HOME	0.00000004	1.00000003	0.00000004	0.00000002	0.00000001	0.00000068	0.00000002	0.00000002
59 EATING DRNK PLAC	0.00031882	0.00022140	1.00040134	0.00024108	0.00008565	0.00914156	0.00002868	0.00002718
60 ALL OTHER RETAIL	0.00001574	0.00003558	0.00000905	1.00089764	0.00006122	0.00004990	0.00172040	0.00000917
61 BANK CREDIT AGEN	0.02599177	0.06227500	0.01047327	0.03470858	1.03046862	0.07986499	0.00146945	0.00047428
62 INS REAL EST FIN	0.03433866	0.02377604	0.04354790	0.00948742	0.00724612	1.02097101	0.00224329	0.00099452
63 LODGING SERVICES	0.00028624	0.00020335	0.00036523	0.00008064	0.00007156	0.00839641	1.00002414	0.00001885
64 PERSONAL SERVICE	0.00001987	0.00002190	0.00037407	0.00001376	0.00021471	0.00005315	0.00024733	1.00119112
65 ADV DUP ADD PHOT	0.00233397	0.00795443	0.00210636	0.00144355	0.01542331	0.02857711	0.00125007	0.01099218
66 MOTION PIC AMUSE	0.00079865	0.00190137	0.00032162	0.00106210	0.03144702	0.00245678	0.00161658	0.00001901
67 AUTO RENT PARK	0.00014094	0.00045046	0.00022411	0.00007127	0.00006656	0.00043258	0.00009105	0.00004916
68 MISCELL REP SERV	0.00762667	0.00031818	0.00885714	0.00496772	0.00087658	0.00043908	0.00108004	0.00471916
69 MEDICAL DENT SER	0.00006100	0.00004232	0.00007728	0.00001690	0.00001288	0.00181145	0.00000417	0.00000181
70 EDUCATION	0.00001433	0.00001076	0.00001511	0.00002448	0.00001125	0.00004446	0.00001004	0.00001049
71 PROFESSIONAL SER	0.01040507	0.00207657	0.00913568	0.02046742	0.00930279	0.03224756	0.00769903	0.00811740
<b>TOTAL</b>	<b>1.21602084</b>	<b>1.22499325</b>	<b>1.17556310</b>	<b>1.13274177</b>	<b>1.13258041</b>	<b>1.29365582</b>	<b>1.30552274</b>	<b>1.14764509</b>

INTERDEPENDENCE COEFFICIENTS (EXCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	65	66	67	68	69	70	71
1 IRR COTTON	0.00000167	0.00000979	0.00000004	0.00000463	0.00002164	0.00048354	0.00000216
2 IRRIGATED GRAINS	0.00000014	0.00000049	0.00000000	0.00000076	0.00000623	0.00005225	0.00000014
3 VEG,CIT,OTH IRR	0.00000849	0.00000123	0.00000021	0.00003289	0.00068914	0.00217985	0.00000291
4 DRYLAND COTTON	0.00000015	0.00000087	0.00000000	0.00000040	0.00000192	0.00004310	0.00000019
5 DRYLAND FEED GRN	0.00000174	0.00000685	0.00000011	0.00002673	0.00007551	0.00139938	0.00000270
6 OTHER DRYLAND CR	0.00002047	0.00000540	0.00000075	0.00016408	0.00004590	0.00081078	0.00000343
7 RANGE,FEEDLOT LV	0.00000794	0.00001844	0.00000026	0.00004718	0.00085576	0.01055987	0.00001273
8 DAIRY,POULTRY,EG	0.00000359	0.00000100	0.00000011	0.00001949	0.00040538	0.00820319	0.00001029
9 AG SUPPLY	0.00000050	0.00000037	0.00000002	0.00000346	0.00001465	0.00010046	0.00000020
10 GINNING	0.00000028	0.00000130	0.00000001	0.00000112	0.00000285	0.00006368	0.00000029
11 AG SERVICES	0.00000185	0.00000224	0.00000006	0.00001274	0.00007306	0.00088551	0.00000141
12 FISHERIES	0.00000397	0.00000027	0.00000007	0.00000377	0.00275167	0.00458928	0.00000545
13 CR PET,NAT GAS,S	0.00520143	0.00929255	0.00209685	0.01943511	0.00397212	0.00484049	0.01414372
14 RES CONST,ALT,RE	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00000035	0.00000020	0.00000005	0.00000112	0.00000129	0.00000226	0.00000064
16 FAC,OTH CONST	0.00118809	0.00084555	0.00186868	0.00083970	0.00052089	0.00639326	0.00515926
17 MEAT PRODUCTS	0.00000413	0.00000219	0.00000028	0.00006691	0.00085648	0.01848849	0.00002188
18 DAIRY MANUFACT	0.00000465	0.00000092	0.00000015	0.00001740	0.00091152	0.02179029	0.00002721
19 CAN,PRE,P,D,FROZ	0.00001687	0.00000111	0.00000027	0.00001606	0.00123886	0.01958212	0.00002325
20 OTH FOOD,KIN PRO	0.00004841	0.00028541	0.00000118	0.00013186	0.00063096	0.01412984	0.00006303
21 BEVERAGES	0.00001871	0.00001541	0.00000512	0.00029849	0.00001232	0.00095713	0.00000595
22 TEXTILE MILL PRO	0.00001432	0.00003331	0.00000172	0.00008364	0.00004269	0.00018203	0.00000723
23 WOOD,PAPER PROD	0.00056415	0.00082268	0.00003387	0.00055349	0.00066753	0.00320501	0.00029179
24 NEWS,PUBS,PRINT	0.01020036	0.04972302	0.00066441	0.00064309	0.00330090	0.00252237	0.00274292
25 CHEM,DRUG,REL PR	0.01095286	0.00019003	0.00038841	0.00043856	0.00022614	0.00109903	0.00017067
26 PETRO,REF,PROD	0.00162878	0.00073724	0.00009010	0.00070329	0.00083880	0.00106937	0.00070132
27 CLAY,CUT ST,SHEL	0.00001504	0.00005154	0.00000917	0.00003719	0.00001229	0.00003626	0.00003122
28 CEM,CONC PRODUCT	0.00011087	0.00051475	0.00010059	0.00009143	0.00008960	0.00035333	0.00028299
29 PRI MET,FOUND,FG	0.00005281	0.00001251	0.00000259	0.00013587	0.00000617	0.00001373	0.00003872
30 FAB ST,OTH MET	0.00016984	0.00055867	0.00004883	0.00070294	0.00005958	0.00022371	0.00013523
31 MACH,PROC EQUIP	0.00009660	0.00005442	0.00001019	0.00033084	0.00028234	0.00043723	0.00016808
32 ELEC,ELECT EQUIP	0.00009227	0.00007792	0.00035041	0.00152771	0.00007839	0.00041396	0.00006346
33 TRANSPORTN EQUIP	0.00003146	0.00017885	0.00004342	0.00003657	0.00030710	0.00053609	0.00012098
34 OTHER MANUFACT	0.00007140	0.00003586	0.00001560	0.00019219	0.00039292	0.00046953	0.00014969
35 HWY MOT FR,WRHSG	0.04544835	0.00076502	0.00035221	0.00374844	0.00066363	0.00569758	0.00057902
36 WATER TRANSPORTN	0.00022499	0.00027211	0.00005470	0.00050678	0.00011154	0.00014243	0.00036860
37 AIR TRANSPORTN	0.00454544	0.00008704	0.00005415	0.00051563	0.00016883	0.00063070	0.00269152
38 OTH TRANSPORTN S	0.00120398	0.00164210	0.00018658	0.02465111	0.00072426	0.00090470	0.01846107
39 COMMUNICATIONS	0.02670068	0.01629622	0.02535393	0.01064660	0.01903544	0.00634482	0.01337756
40 GAS SERVICES	0.00436137	0.01168474	0.00287908	0.00350491	0.00457381	0.00544047	0.00195775
41 ELECTRIC SERVICE	0.01288555	0.05485034	0.00148614	0.01263324	0.01674329	0.01507443	0.00694403
42 WATER,SANI SERVC	0.00377683	0.00839369	0.00059422	0.00360259	0.00461196	0.00264537	0.00200959
43 WHLSE AUTO,PT,SU	0.00187451	0.00006632	0.00164810	0.00021155	0.00009670	0.00024457	0.00194105
44 WHLSE GROC REL	0.00002034	0.00000387	0.00000051	0.00010011	0.01760927	0.00084529	0.00000161
45 WHLSE FARM PRO	0.00000068	0.00000067	0.00000003	0.00000347	0.00004591	0.00078836	0.00000107
46 WHLSE LIVESTOCK	0.00000020	0.00000042	0.00000001	0.00000118	0.00002171	0.00028674	0.00000035
47 WHLSE MAC	0.00165108	0.00035095	0.00003444	0.00509783	0.01541034	0.00256972	0.00009138
48 WHLSE PETRO,PROD	0.00065041	0.00004062	0.00000751	0.00014123	0.00008762	0.00034054	0.00007107
49 GEN WHLSE	0.00343948	0.00135115	0.00057299	0.01336154	0.00866728	0.00552391	0.00477742
50 RETAIL LUMBERYDS	0.00000628	0.00001182	0.00000459	0.00000512	0.00001243	0.00010834	0.00000708
51 FARM EQUIP DEAL	0.00000034	0.00000058	0.00000001	0.00000276	0.00001147	0.00013765	0.00000026
52 HRDW,HEAT,ELECT	0.00001301	0.00001318	0.00000565	0.00003102	0.00003156	0.00011085	0.00001276
53 DEPART,VAR STORE	0.00000009	0.00000046	0.00000001	0.00000001	0.00000003	0.00000002	0.00000003
54 FOOD STORES	0.00002616	0.00000077	0.00000037	0.00001958	0.01188353	0.00012021	0.00000057
55 AUTO DEAL REP SH	0.00166189	0.00058551	0.03553309	0.00127974	0.00061008	0.00071599	0.00083645
56 GAS SER STATIONS	0.01953848	0.00018526	0.00008654	0.00110633	0.00066026	0.00027656	0.00110859
57 APPAREL ACES STO	0.00000001	0.00000002	0.00000000	0.00000002	0.00024672	0.00000012	0.00000002

58 FURNITURE HOME	0.00000001	0.00000002	0.00000001	0.00000007	0.00038555	0.00000002	0.00000003
59 EATING DRNK PLAC	0.00101034	0.00002725	0.00001213	0.00051446	0.00002420	0.00008758	0.00065315
60 ALL DTHR RETAIL	0.00008676	0.00175130	0.00000301	0.00032490	0.00283663	0.00013725	0.00019231
61 BANK CREDIT AGEN	0.00059072	0.00051325	0.00033458	0.00152805	0.00152518	0.00170297	0.00023224
62 INS REAL EST FIN	0.00287479	0.00061546	0.00090430	0.00211836	0.00056108	0.00911184	0.00049896
63 LODGING SERVICES	0.00079537	0.00001351	0.00000939	0.00022583	0.00000959	0.00008351	0.00001176
64 PERSONAL SERVICE	0.00000904	0.00674434	0.00000387	0.00073982	0.01202016	0.00055817	0.00002648
65 ADV DUP ADD PHOT	1.02329517	0.00164485	0.00129771	0.00517950	0.00358601	0.00347075	0.00779850
66 MOTION PIC AMUSE	0.00004633	1.00001849	0.00001343	0.00004876	0.00077924	0.00016533	0.00006488
67 AUTO RENT PARK	0.00208749	0.00035486	1.00001222	0.00098728	0.00006940	0.00058483	0.00011291
68 MISCELL REP SERV	0.00459271	0.02437054	0.00328125	1.01176182	0.00597789	0.00051975	0.00166600
69 MEDICAL DENT SER	0.00000518	0.00000124	0.00000163	0.00000396	1.04700303	0.00001624	0.00000093
70 EDUCATION	0.00001357	0.00001995	0.00000223	0.00000624	0.00002084	1.00014649	0.00114941
71 PROFESSIONAL SER	0.01019282	0.01199930	0.00186410	0.00494686	0.01791465	0.00196667	1.01041211
<hr/>							
TOTAL	1.20416465	1.21535959	1.08197828	1.13615741	1.21413376	1.19361722	1.10244966
<hr/>							

LABOR COEFFICIENTS (TABLE XV, APPENDIX B) 1

	1	2	3	4	5	6
IRRI G CTTON	43.00	90.00	0.00	0.00	0.00	0.00
IRRI G GRAINS	0.00	0.00	18.56	0.00	1.24	0.00
VEG, CIT, COTH IRG	0.00	0.01	0.00	0.00	0.01	0.00
DRYLAND COTTON	0.00	0.00	0.00	4.00	0.00	0.00
DRYLAND FEED GRN	0.03	0.03	0.01	0.00	0.00	0.00
OTH DRYLAND CRPS	0.03	0.04	0.03	0.01	0.00	15.01
LIVE STOCK	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY & POULTRY	0.21	0.24	0.07	0.09	0.13	0.10
AGRI SUPPLY	0.25	0.47	0.75	0.59	0.68	0.71
GINNING	0.04	0.00	0.00	0.04	0.00	0.00
AGRI SERVICES	0.17	0.20	0.06	0.08	0.11	0.09
FISHERIES	0.00	0.00	0.00	0.00	0.00	0.00
CRUDE PETR GAS	0.28	0.49	0.20	0.26	0.48	0.21
RES CONSTR ALT-R	0.00	0.00	0.00	0.00	0.00	0.00
COM, EDUC, & IN, CON	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	0.72	0.79	0.58	0.67	0.59	0.50
MEAT PRODCUTS	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY MFG	0.00	0.00	0.00	0.00	0.00	0.00
CANNED & OTH FOS	0.00	0.00	0.00	0.00	0.00	0.00
OTHER FCOD	0.02	0.02	0.00	0.01	0.01	0.01
BEVERAGES	0.02	0.02	0.02	0.02	0.02	0.02
TEXTILE MILL PRO	1.08	0.01	0.01	1.07	0.01	1.36
WOOD FURN OTH	0.32	0.35	0.12	0.17	0.23	0.47
NEWSPR PUB & PRT	0.11	0.11	0.11	0.10	0.12	0.10
CHEM, DRUGS & REL	3.29	2.70	3.15	2.72	3.40	2.64
PETRO REFIN & PRO	0.09	0.17	0.04	0.09	0.21	0.06
CLAY, STONE, SHELL	0.01	0.00	0.01	0.01	0.01	0.00
CEMENT, CONCRETE	0.02	0.02	0.02	0.02	0.02	0.02
PRIMARY METALS	0.00	0.00	0.00	0.08	0.01	0.00
FAB STEEL & OTH	0.10	0.33	0.17	0.11	0.22	0.06
MACH & PROC EQUI	1.15	2.27	0.41	0.22	0.83	0.40
ELECT, ELECTRONIC	0.05	0.08	0.02	0.05	0.11	0.02
TRANS EQUIP	0.04	0.01	0.02	0.03	0.00	0.01
ALL OTHER MFG	0.13	0.11	0.09	0.11	0.07	0.05
HWY MTR FGT PWH	0.38	0.31	0.29	0.33	0.27	0.25
WATER TRANSPRT	0.07	0.01	0.00	0.07	0.00	0.00
AIR TRANSPRT	0.05	0.00	0.00	0.03	0.00	0.03
OTHER TRANSPRT	0.11	0.00	0.00	0.03	0.00	0.18
COMMUNICATIONS	0.40	0.33	0.27	0.34	0.48	0.34
GAS SERVICES	0.01	0.01	0.01	0.01	0.02	0.01
ELECTRIC SERVICE	0.34	0.28	0.28	0.30	0.43	0.25
WATER, SAN SVCS	0.05	0.05	0.04	0.03	0.05	0.04
W/S AUTO SUPP	0.10	0.16	0.05	0.10	0.20	0.04
W/S GROCE RELATED	0.00	0.00	0.00	0.00	0.00	0.00
W/S FARM PRODS	0.00	0.00	0.00	0.00	0.00	0.00
W/S LIVESTOCK	0.00	0.00	0.00	0.00	0.00	0.00
W/S MACH EC, SUPP	0.01	0.01	0.15	0.01	0.01	0.00
W/S PETR PRODS	0.02	0.19	0.05	0.10	0.24	0.07
GEN WHOLESALE	0.70	0.48	0.68	0.09	0.68	0.65
LUMBER YARDS	0.01	0.02	0.00	0.00	0.01	0.01
FARM EQUIP DLRS	0.55	0.01	0.19	0.52	1.18	0.21
HDW HEAT & OTHER	0.23	0.29	0.56	0.25	0.34	0.27
DEPT & VAR SR	0.00	0.00	0.00	0.00	0.00	0.00
FOOD STORES	0.00	0.00	0.00	0.00	0.00	0.00
AUTO DEALERS	0.36	0.43	0.33	0.34	0.47	0.26
GAS SERV STAT	0.83	0.43	0.20	0.02	0.42	2.87
APPAREL & ACCESS	0.00	0.00	0.00	0.00	0.00	0.00
FURN, HOME FURN	0.00	0.00	0.00	0.00	0.00	0.00
EATING & DRINK	0.03	0.04	0.03	0.03	0.04	0.04
ALL OTH RETAIL	0.00	0.00	0.00	0.00	0.00	0.00
BANKING & CREDIT	0.87	0.88	1.19	0.79	1.10	1.21
INS REAL EST FIN	0.28	0.28	0.29	0.27	0.30	0.30
LODGING SERVICES	0.12	0.13	0.09	0.09	0.11	0.10
PERSONAL SERVICES	0.00	0.00	0.00	0.00	0.00	0.00
ADVERT & OTH SVC	0.37	0.57	0.37	0.40	0.50	0.39
NOT PICT & OTH	0.07	0.07	0.10	0.06	0.09	0.10
AUTO RENT & PRK	0.01	0.01	0.01	0.01	0.02	0.01
MISC REPAIR	0.08	0.08	0.08	0.07	0.12	0.11
MEDICAL & DENTAL	0.00	0.00	0.00	0.00	0.00	0.00
EDUCATION	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	0.92	0.92	0.89	0.84	1.06	0.85
TOTALS	62.13	112.54	196.95	64.16	112.46	128.80

REGIONS	7	8	9	10	11	12	
IRRIG COTTON	1	0.10	0.26	0.00	0.00	0.01	0.04
IRRIG GRAINS	2	0.03	0.00	0.00	0.00	0.00	0.00
VEG,CIT,&OTH IRG	3	0.01	0.00	0.00	0.00	0.00	0.12
DRYLAND COTTON	4	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN	5	2.04	0.00	0.00	0.00	0.00	0.09
OTH DRYLAND CRPS	6	0.09	0.00	0.00	0.00	0.08	0.01
LIVESTOCK	7	97.01	0.00	0.00	0.00	0.00	2.03
DAIRY & POULTRY	8	0.08	6.00	0.00	0.00	0.00	0.00
AGRI SUPPLY	9	0.10	0.00	4.00	0.00	0.00	0.00
GINNING	10	0.00	0.00	0.00	1.00	0.00	0.00
AGRI SERVICES	11	0.06	0.00	0.00	0.00	2.00	0.00
FISHERIES	12	0.00	0.00	0.00	0.00	0.00	78.01
CRUDE PETR GAS	13	0.06	0.00	0.03	0.17	0.40	0.15
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00	0.00
COM, EDUC, CIN, CON	15	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	16	0.56	0.00	0.03	4.59	0.23	0.03
MEAT PRODUCTS	17	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.00	0.00
CANNED & OTH FDS	19	0.00	0.00	0.00	0.00	0.00	0.04
OTHER FCOD	20	1.45	0.00	0.00	0.00	0.23	0.68
BEVERAGES	21	0.02	0.00	0.00	0.00	0.00	0.00
TEXTILE MILL PRO	22	0.04	0.00	0.37	0.82	0.06	1.08
WOOD FURN OTH	23	0.44	0.00	0.06	0.00	0.05	0.02
NEWSPR PUB & PRT	24	0.08	0.00	0.21	0.12	0.06	0.02
CHEM, DRUGS & REL	25	0.08	1.17	0.00	0.03	0.37	0.08
PETRO REFIN & PRO	26	0.01	0.00	0.00	0.03	0.12	0.08
CLAY, STONE, SHELL	27	0.00	0.00	0.00	0.00	0.00	0.00
CEMENT, CONCRETE	28	0.02	0.00	0.00	0.18	0.01	0.00
PRIMARY METALS	29	0.00	0.00	0.00	0.00	0.00	0.00
FAB STEEL & OTH	30	0.08	0.00	0.00	0.10	0.02	0.19
MACH & PROC EQUI	31	0.10	0.00	0.00	0.01	0.01	0.01
ELECT, ELECTRONIC	32	0.01	0.00	0.00	0.00	0.00	0.12
TRANS EQUI	33	0.03	0.00	0.00	0.00	0.01	0.44
ALL OTHER MFG	34	0.03	0.00	0.01	0.00	0.05	0.03
HWH NTR FGT HWH	35	3.43	0.00	0.05	0.03	1.02	0.16
WATER TRANSPRT	36	0.11	0.00	0.00	0.02	0.10	0.02
AIR TRANSPRT	37	0.02	0.00	0.01	0.01	0.31	0.00
OTHER TRANSPRT	38	0.10	0.00	0.04	0.04	0.05	0.04
COMMUNICATIONS	39	0.31	0.00	0.77	0.52	0.58	0.24
GAS SERVICES	40	0.00	0.00	0.01	0.00	0.02	0.00
ELECTRIC SERVICE	41	0.18	0.00	0.48	0.77	0.37	0.09
WATER, SAN SVCS	42	0.03	0.00	0.28	0.03	0.14	0.07
W/S AUTC SUPP	43	0.04	0.00	0.00	0.01	0.01	0.00
W/S GROCC&RELATED	44	0.00	0.02	0.00	0.00	0.00	0.00
W/S FARM PRODS	45	0.01	0.00	0.00	0.00	0.00	0.00
W/S LIVESTOCK	46	4.58	1.00	0.00	0.00	0.04	0.09
W/S MACH EC, SUPP	47	0.00	0.01	0.00	0.00	0.05	0.31
W/S PETR PRODS	48	0.01	0.00	0.00	0.06	0.05	0.19
GEN WHOLESALE	49	0.18	0.38	4.02	0.21	0.07	0.02
LUMBER YARDS	50	0.19	0.00	0.00	0.00	0.00	0.00
FARM EQUIP DLRS	51	0.07	0.26	0.00	0.00	0.47	0.00
HDW HEAT & OTHER	52	0.15	0.42	0.02	0.00	0.01	0.00
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00	0.00
FOOD STORES	54	0.00	0.00	0.00	0.00	0.00	0.74
AUTO DEALERS	55	0.16	0.73	0.00	0.26	0.05	0.02
GAS SERV STAT	56	0.39	4.00	0.81	0.21	0.71	0.07
APPAREL & ACCESS	57	0.00	0.00	0.00	0.00	0.00	0.00
FURN, HOME FURN	58	0.00	0.00	0.00	0.00	0.00	0.00
EATING & DRINK	59	0.03	0.00	0.01	0.01	0.03	0.00
ALL OTH RETAIL	60	0.00	0.00	0.00	0.00	0.00	0.00
BANKING & CREDIT	61	0.89	0.88	0.46	1.09	0.18	0.07
INS REAL EST FIN	62	0.24	0.00	0.07	0.02	0.03	0.00
LODGING SERVICES	63	0.00	0.00	0.00	0.00	0.00	0.00
PERSONAL SERVICE	64	0.08	0.00	0.00	0.00	0.00	0.00
ADVERT & OTH SVC	65	0.00	0.00	0.00	0.00	0.00	0.28
MOT PICT & OTH	66	0.08	0.00	0.00	0.11	0.96	0.00
AUTC RENT & PRK	67	0.03	0.00	0.04	0.09	0.01	0.00
MISC REPAIR	68	0.18	1.00	0.50	0.01	0.27	0.02
MEDICAL & DENTAL	69	0.00	0.01	0.00	0.00	0.00	0.00
EDUCATION	70	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	71	0.79	1.82	9.88	2.25	0.99	1.31
TOTALS		115.94	112.52	67.11	17.56	26.14	93.12

REGIONS		13	14	15	16	17	18
IRRIG COTTON	1	0.00	0.00	0.00	0.00	0.05	0.09
IRRIG GRAINS		0.00	0.00	0.00	0.00	0.00	0.00
VEG, CIT, & OTH TRG		0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND COTTON		0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN		0.00	0.00	0.00	0.00	0.00	0.00
OTH DRYLAND CRPS		0.00	0.00	0.00	0.00	0.33	0.45
LIVESTOCK	4	0.00	0.00	0.00	0.00	1.18	1.18
DAIRY & POULTRY	8	0.00	0.00	0.00	0.00	1.28	2.18
AGRI SUPPLY		0.00	0.00	0.00	0.00	0.05	0.07
GINNING	10	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.03	0.03
FISHERIES	12	0.00	0.00	0.00	0.00	0.00	0.01
CRUDE PETR GAS	13	10.05	0.09	0.12	0.09	0.06	0.11
RES CONSTR ALT-R	14	0.00	38.00	0.00	0.00	0.00	0.00
COM, EDUC, & IN, CON	15	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	16	0.08	0.08	0.09	0.03	0.28	0.25
MEAT PRODUCTS	17	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.00	0.00
CANNED & OTH FDS	19	0.00	0.00	0.00	0.00	0.00	0.00
OTHER FOOD	20	0.00	0.00	0.00	0.00	0.77	1.39
BEVERAGES	21	0.00	0.00	0.00	0.00	0.01	0.01
TEXTILE MILL PRO	22	0.00	0.61	0.10	0.03	0.02	0.07
WOOD FURN OTH	23	0.01	0.75	0.13	0.61	0.21	0.12
NEWSPR PUB & PRT	24	0.01	0.58	0.03	0.06	0.05	0.06
CHEM, DRUGS & REL	25	0.06	0.59	0.46	0.15	0.35	0.41
PETRO REFIN & PRD	26	0.02	0.02	0.05	0.03	0.01	0.04
CLAY, STCNE, SHELL	27	0.00	0.83	0.34	0.72	0.00	0.00
CEMENT, CONCRETE	28	0.00	0.64	1.13	1.78	0.01	0.01
PRIMARY METALS	29	0.00	0.00	0.00	0.00	0.00	0.00
FAB STEEL & OTH	30	0.00	0.16	0.60	0.95	0.04	0.04
MACH & PROC EQUI	31	0.02	0.05	0.33	0.05	0.06	0.08
ELECT, ELECTRONIC	32	0.02	0.08	0.13	0.05	0.01	0.00
TRANS EQUIP	33	0.00	0.04	0.01	0.00	0.02	0.00
ALL OTHER MFG	34	0.00	0.04	0.01	0.00	0.00	0.00
HWY MTR FGT HWH	35	1.48	0.26	0.35	0.85	1.79	2.08
WATER TRANSPRT	36	1.02	0.01	0.02	0.00	0.00	0.00
AIR TRANSPRT	37	0.09	0.01	0.00	0.00	0.01	0.01
OTHER TRANSPRT	38	0.01	0.11	0.09	0.11	0.06	0.09
COMMUNICATIONS	39	0.16	0.46	0.26	0.42	0.42	0.31
GAS SERVICES	40	0.00	0.00	0.00	0.00	0.00	0.00
ELECTRIC SERVICE	41	0.07	0.12	0.09	0.11	0.24	0.15
WATER, SAN SVCS	42	0.00	0.06	0.03	0.04	0.05	0.02
W/S AUTO SUPP	43	0.02	0.00	0.00	0.00	0.03	0.02
W/S GROC RELATED	44	0.00	0.00	0.00	0.00	0.00	0.01
W/S FARM PRODS	45	0.00	0.00	0.00	0.00	0.00	0.02
W/S LIVESTOCK	46	0.00	0.00	0.00	0.00	2.12	0.41
W/S MACH EQ, SUPP	47	0.03	0.00	0.00	0.01	0.11	0.00
W/S PETR PRODS	48	0.00	0.00	0.00	0.00	0.02	0.05
GEN WHOLESALE	49	0.03	0.55	0.01	1.14	0.10	0.13
LUMBER YARDS	50	0.00	0.00	0.00	0.00	0.02	0.09
FARM EQUIP OLR	51	0.00	0.00	0.00	0.00	0.04	0.00
HDW HEAT & OTHER	52	0.00	0.00	0.00	0.01	0.08	0.14
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00	0.00
FOOD STORES	54	0.00	0.00	0.00	0.00	0.00	0.00
AUTO DEALERS	55	0.02	0.03	0.09	0.34	0.11	0.33
GAS SERV STAT	56	0.16	0.89	1.03	0.74	0.57	1.51
APPAREL & ACCESS	57	0.00	0.00	0.00	0.00	0.00	0.00
FURN, HOME FURN	58	0.00	0.00	0.00	0.00	0.00	0.00
EATING & DRINK	59	0.00	0.01	0.00	0.00	0.01	0.01
ALL OTH RETAIL	60	0.00	0.03	0.05	0.02	0.00	0.00
BANKING & CREDIT	61	0.02	0.57	0.29	0.22	0.45	0.34
INS REAL ESTATE FIN	62	0.01	0.00	0.05	0.06	0.11	0.13
LODGING SERVICES	63	0.00	0.00	0.01	0.01	0.04	0.04
PERSONAL SERVICES	64	0.02	0.00	0.08	0.04	0.26	0.00
ADVERT & OTH SVC	65	0.00	0.00	0.09	0.48	0.23	0.19
MOT PICT & OTH	66	0.00	0.00	0.02	0.01	0.03	0.02
AUTO RENT & PK	67	0.00	0.00	0.00	0.00	0.08	0.02
MISC REPAIR	68	0.07	0.03	0.06	0.02	0.31	0.39
MEDICAL & DENTAL	69	0.00	0.00	0.00	0.00	0.00	0.00
EDUCATION	70	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	71	0.35	3.86	1.00	2.14	0.73	0.64
TOTALS		13.39	51.68	47.72	57.16	73.08	81.54



REGIONS	19	20	21	22	23	24	
IRRIG COTTON	1	0.01	1.45	0.00	0.06	0.00	
IRRIG GRAINS	2	0.05	0.14	0.00	0.00	0.00	
VEG,CIT,&OTH IRG	3	17.44	0.16	0.18	0.00	0.00	
DRYLAND COTTON	4	0.00	0.14	0.00	0.00	0.00	
DRYLAND FEED GRN	5	0.03	1.72	0.00	0.00	0.00	
OTH DRYLAND CRPS	6	0.13	0.37	0.00	0.00	0.00	
LIVESTOCK	7	0.76	0.15	0.00	0.00	0.00	
DAIRY & POULTRY	8	0.05	0.04	0.01	0.00	0.00	
AGRI SUPPLY	9	0.07	0.04	0.00	0.00	0.00	
GINNING	10	0.00	0.00	0.00	0.00	0.00	
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.00	
FISHERIES	12	18.08	0.01	0.00	0.00	0.00	
CRUDE PETR GAS	13	0.07	0.18	0.02	0.00	0.06	
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00	
CDM, EDUC, & IN, CON	15	0.00	0.00	0.00	0.00	0.00	
FAC & OTH CONSTR	16	0.09	0.24	0.01	0.00	0.00	
MEAT PRODUCTS	17	0.01	0.00	0.00	0.00	0.00	
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.00	
CANNED & OTH FCS	19	6.00	0.00	0.00	0.00	0.00	
OTHER FOOD	20	0.19	0.00	0.00	0.00	0.00	
BEVERAGES	21	0.00	0.01	7.00	0.00	0.00	
TEXTILE MILL PRO	22	0.25	0.52	0.00	12.00	0.02	
WOOD FURN OTH	23	0.18	0.27	0.00	0.07	0.15	
NEWSPR PUB & PRT	24	0.13	0.03	0.13	0.01	71.01	
CHEM, DRUGS & REL	25	0.33	0.21	0.04	0.00	0.13	
PETRO REFIN & PRO	26	0.02	0.01	0.00	0.00	0.00	
CLAY, STONE, SHELL	27	0.00	0.00	0.11	0.00	0.00	
CEMENT, CONCRETE	28	0.00	0.01	0.00	0.00	0.00	
PRIMARY METALS	29	0.00	0.00	0.00	0.00	0.00	
FAB STEEL & OTH	30	0.06	0.01	0.00	0.00	0.36	
MACH & PROC EQUI	31	0.04	0.11	0.00	0.01	0.00	
ELECT, ELECTRONIC	32	0.03	0.01	0.00	0.01	0.00	
TRANS EQUIP	33	1.31	0.01	0.00	0.00	0.00	
ALL OTHER MFG	34	0.11	0.04	0.00	0.00	0.01	
HWY MTR FGT HWH	35	0.18	0.30	0.50	0.12	1.40	
WATER TRANSPRT	36	0.01	0.02	0.00	0.00	0.03	
AIR TRANSPORT	37	0.00	0.00	0.00	0.01	0.00	
OTHER TRANSPORT	38	0.03	0.64	0.01	1.33	0.22	
COMMUNICATIONS	39	0.22	0.39	0.52	0.38	0.39	
GAS SERVICES	40	0.01	0.01	0.00	0.00	0.00	
ELECTRIC SERVICE	41	0.25	0.42	0.21	0.13	0.19	
WATER, SAN SVCS	42	0.14	0.07	0.16	0.04	0.04	
W/S AUTO SUPP	43	0.00	0.03	0.00	0.00	0.01	
W/S GROC & RELATED	44	0.29	0.10	0.05	0.00	0.00	
W/S FARM PRODS	45	0.00	0.00	0.00	0.00	0.00	
W/S LIVESTOCK	46	0.03	0.00	0.00	0.00	0.00	
W/S MACH EQ, SUPP	47	0.09	0.00	0.00	0.00	0.02	
W/S PETR PRODS	48	0.09	0.01	0.00	0.00	0.00	
GEN WHOLESAL	49	0.07	0.07	0.03	0.00	0.11	
LUMBER YARDS	50	0.00	0.00	0.00	0.00	0.00	
FARM EQUIP DLRS	51	0.01	0.04	0.00	0.00	0.00	
HDW HEAT & OTHER	52	0.05	0.01	0.00	0.00	0.00	
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00	
FOOD STORES	54	0.17	0.00	0.00	0.00	0.00	
AUTO DEALERS	55	0.04	0.03	0.05	0.00	0.01	
GAS SERV STAT	56	0.29	0.44	0.65	0.08	0.72	
APPAREL & ACCESS	57	0.00	0.00	0.00	0.00	0.00	
FURN, HOME FURN	58	0.00	0.00	0.00	0.00	0.00	
EATING & DRINK	59	0.00	0.00	0.00	0.00	0.00	
ALL OTH RETAIL	60	0.00	0.00	0.00	0.00	0.02	
BANKING & CREDIT	61	0.14	0.07	0.00	0.00	0.00	
INS REAL EST FIN	62	0.03	0.02	0.00	0.00	0.00	
LODGING SERVICES	63	0.01	0.02	0.00	0.00	0.00	
PERSONAL SERVICE	64	0.00	0.03	0.00	0.00	0.01	
ADVERT & OTH SVC	65	0.16	0.32	0.74	0.03	0.20	
MOT PICT & OTH	66	0.01	0.00	0.00	0.00	0.00	
AUTO RENT & PRK	67	0.18	0.36	0.00	0.00	0.45	
MISC REPAIR	68	0.02	0.03	0.00	0.00	0.10	
MEDICAL & DENTAL	69	0.00	0.00	0.00	0.00	0.00	
EDUCATION	70	0.00	0.00	0.11	0.00	0.01	
PROFESSIONAL SVC	71	0.51	0.34	0.75	0.34	1.58	
TOTALS		102.67	30.96	83.61	127.17	49.05	77.67

REGIONS		25	26	27	28	29	3C
IRRIG COTTON	1	0.00	0.00	0.00	0.00	0.00	0.00
IRRIG GRAINS	2	0.00	0.00	0.00	0.00	0.00	0.00
VEG,CIT,&OTH IRG	3	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND COTTON	4	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN	5	0.00	0.00	0.00	0.00	0.00	0.00
OTH DRYLAND CRPS	6	0.00	0.00	0.00	0.00	0.00	0.00
LIVESTOCK	7	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY & POULTRY	8	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SUPPLY	9	0.00	0.00	0.00	0.00	0.00	0.00
GINNING	10	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.00	0.00
FISHERIES	12	0.00	0.00	0.00	0.00	0.00	0.00
CRUDE PETR GAS	13	1.25	0.65	1.41	0.31	0.28	0.02
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00	0.00
COM, EDUC, & IN, CON	15	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	16	1.14	0.11	0.20	0.00	0.04	0.02
MEAT PRODUCTS	17	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.00	0.00
CANNED & OTH FOS	19	0.00	0.00	0.00	0.00	0.00	0.00
OTHER FOOD	20	0.00	0.00	0.00	0.00	0.00	0.00
BEVERAGES	21	0.00	0.00	0.00	0.00	0.00	0.00
TEXTILE MILL PRG	22	0.06	0.00	0.00	0.00	0.03	0.00
WOOD FURN OTH	23	0.16	0.01	0.85	0.00	0.11	0.00
NEWSPR PUB & PRT	24	0.04	0.01	0.08	0.09	0.06	0.00
CHEM, DRUGS & REL	25	34.01	0.00	0.23	0.00	0.01	0.00
PETRO REFIN & PRD	26	0.02	0.00	0.04	0.00	0.00	0.00
CLAY, STONE, SHELL	27	0.02	0.00	172.01	0.25	0.00	0.00
CEMENT, CONCRETE	28	0.04	0.00	0.14	37.00	0.00	0.00
PRIMARY METALS	29	0.05	0.00	0.00	0.06	15.00	0.00
FAB STEEL & OTH	30	0.09	0.00	0.08	0.00	0.00	0.00
MACH & PROC EQUI	31	0.18	0.01	0.06	0.00	0.00	0.00
ELECT, ELECTRONIC	32	0.01	0.01	0.09	0.00	0.01	0.00
TRANS EQUIP	33	0.04	0.00	0.01	0.00	0.00	0.00
ALL OTHER MFG	34	0.22	0.00	0.03	0.00	0.02	0.00
HWY MTR FGT HWH	35	1.52	0.41	6.78	7.00	0.22	0.00
WATER TRANSPORT	36	0.42	0.60	0.74	0.00	0.00	0.00
AIR TRANSPORT	37	0.08	0.00	0.03	0.00	0.00	0.00
OTHER TRANSPORT	38	1.89	0.00	5.16	1.00	0.99	0.00
COMMUNICATIONS	39	0.30	0.00	0.72	0.00	0.38	0.00
GAS SERVICES	40	0.11	0.02	0.74	0.00	0.00	0.00
ELECTRIC SERVICE	41	1.33	0.00	1.33	0.00	1.13	0.00
WATER, SAN SVCS	42	0.03	0.00	0.09	0.00	0.00	0.00
W/S AUTO SUPP	43	0.04	0.00	0.05	0.00	0.00	0.00
W/S GROC&RELATED	44	0.00	0.00	0.01	0.00	0.00	0.00
W/S FARM PRODS	45	0.00	0.00	0.00	0.00	0.00	0.00
W/S LIVESTOCK	46	0.00	0.00	0.00	0.00	0.00	0.00
W/S MACH EQ, SUPP	47	0.05	0.00	0.14	0.00	0.00	0.00
W/S PETR PRDPS	48	0.00	0.00	0.01	0.00	0.00	0.00
GEN WHOLESALE	49	0.13	0.00	0.13	0.00	0.00	0.00
LUMBER YARDS	50	0.00	0.00	0.00	0.00	0.00	0.00
FARM EQUIP DLRS	51	0.00	0.00	0.00	0.00	0.00	0.00
HDW HEAT & OTHER	52	0.00	0.00	0.00	0.00	0.00	0.00
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00	0.00
FOOD STORES	54	0.00	0.00	0.00	0.00	0.00	0.00
AUTO DEALERS	55	0.09	0.01	0.03	0.00	0.00	0.00
GAS SERV STAT	56	0.17	0.00	0.25	0.44	0.43	0.00
APPAREL & ACCESS	57	0.00	0.00	0.00	0.00	0.00	0.00
FURN, HOME FURN	58	0.00	0.00	0.00	0.00	0.00	0.00
EATING & DRINK	59	0.01	0.00	0.01	0.00	0.00	0.00
ALL OTH RETAIL	60	0.00	0.00	0.00	0.00	0.00	0.01
BANKING & CREDIT	61	0.04	0.01	0.06	0.02	0.30	0.01
INS REAL EST FIN	62	0.03	0.00	0.02	0.00	0.03	0.00
LODGING SERVICES	63	0.02	0.00	0.09	0.00	0.00	0.00
PERSONAL SERVICE	64	0.01	0.01	0.02	0.00	0.32	0.00
ADVERT & OTH SVC	65	0.63	0.45	0.35	0.88	0.88	0.05
MOT PICT & OTH	66	0.00	0.00	0.00	0.00	0.00	0.00
AUTO RENT & PRK	67	0.12	0.00	0.06	0.00	0.00	0.00
MISC REPAIR	68	0.03	0.03	0.35	0.00	0.00	0.00
MEDICAL & DENTAL	69	0.00	0.00	0.00	0.00	0.01	0.01
EDUCATION	70	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	71	0.60	0.27	1.13	1.23	0.88	0.34
TOTALS		45.27	11.30	192.58	49.85	21.77	50.26

REGIONS	31	32	33	34	35	36	
IRRIG COTTON	1	0.00	0.00	0.00	0.00	0.00	
IRRIG GRAINS	2	0.00	0.00	0.00	0.00	0.00	
VEG,CIT,&OTH IRG	3	0.15	0.00	0.00	0.00	0.00	
DRYLAND COTTON	4	0.00	0.00	0.00	0.00	0.00	
DRYLAND FEED CRN	5	0.00	0.00	0.00	0.00	0.00	
OTH DRYLAND CRPS	6	0.00	0.00	0.00	1.37	0.00	
LIVESTOCK	7	0.00	0.00	0.00	0.00	0.00	
DAIRY & PCULTRY	8	0.00	0.00	0.00	0.00	0.00	
AGRI SUPPLY	9	0.00	0.00	0.00	0.00	0.00	
GINNING	10	0.00	0.00	0.00	0.00	0.00	
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.00	
FISHERIES	12	0.00	0.00	0.00	0.00	0.00	
CRUDE PETR GAS	13	0.03	0.08	0.01	0.49	0.20	
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00	
COM, EDUC, & IN, CON	15	0.10	0.00	0.00	0.05	0.00	
FAC & OTH CONSTR	16	0.07	0.07	0.01	0.30	0.54	
MEAT PRDCTS	17	0.00	0.00	0.00	0.00	0.00	
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.00	
CANNED & OTH FDS	19	0.00	0.00	0.00	0.00	0.00	
OTHER FCOD	20	0.00	0.00	0.00	0.00	0.00	
BEVERAGES	21	0.00	0.04	0.00	0.00	0.01	
TEXTILE MILL PRO	22	0.00	0.00	0.27	0.05	0.00	
WOOD FURN OTH	23	0.00	0.03	0.01	0.22	0.03	
NEWSPR PUB & PRT	24	0.02	0.03	0.03	0.03	0.14	
CHEM, DRUGS & REL	25	0.02	0.07	0.01	0.26	0.03	
PETRO REFIN & PRO	26	0.00	0.00	0.00	0.00	0.06	
CLAY, STONE, SHELL	27	0.00	0.00	0.00	0.01	0.00	
CEMENT, CONCRETE	28	0.00	0.00	0.00	0.03	0.02	
PRIMARY METALS	29	0.10	0.02	0.00	0.00	0.05	
FAB STEEL & OTH	30	0.25	0.30	0.18	0.06	0.01	
MACH & PROC EQUI	31	35.00	0.00	0.03	0.07	0.00	
ELECT, ELECTRONIC	32	0.12	11.00	0.17	0.02	0.01	
TRANS EQUIP	33	0.04	0.00	6.00	0.01	0.00	
ALL OTHER MFG	34	0.02	0.55	0.38	58.00	0.00	
HWY MTR FGT HWH	35	0.24	0.00	0.26	0.40	1.25	
WATER TRANSPORT	36	0.54	0.10	0.00	0.05	0.02	
AIR TRANSPORT	37	0.07	0.00	0.01	0.02	0.04	
OTHER TRANSPORT	38	0.07	0.00	0.02	2.20	0.03	
COMMUNICATIONS	39	0.36	0.33	0.19	0.47	3.13	
GAS SERVICES	40	0.00	0.00	0.01	0.01	0.00	
ELECTRIC SERVICE	41	0.08	0.11	0.13	0.49	0.61	
WATER, SAN SVCS	42	0.04	0.02	0.07	0.07	0.11	
W/S AUTC SUPP	43	0.02	0.00	0.00	0.00	0.99	
W/S GRDC&RELATED	44	0.00	0.00	0.00	0.00	0.00	
W/S FARM PRDCS	45	0.00	0.00	0.00	0.00	0.00	
W/S LIVESTOCK	46	0.00	0.00	0.00	0.00	0.00	
W/S MACH EQ, SUPP	47	0.07	0.02	0.44	0.07	0.00	
W/S PETR PRDCS	48	0.00	0.00	0.00	0.00	1.14	
GEN WHOLESALE	49	0.17	0.10	0.19	0.11	0.09	
LUMBER YARDS	50	0.00	0.00	0.03	0.03	0.01	
FARM EQUIP DLRS	51	0.00	0.00	0.00	0.00	0.00	
HDW HEAT & OTHER	52	0.01	0.00	0.00	0.00	0.04	
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00	
FOOD STORES	54	0.00	0.00	0.00	0.00	0.00	
AUTO DEALERS	55	0.00	0.00	0.00	0.00	0.00	
GAS SERV STAT	56	0.16	0.10	0.31	1.33	0.27	
APPAREL & ACCESS	57	0.00	0.00	0.00	0.00	0.00	
FURN HOME FURN	58	0.00	0.00	0.00	0.00	0.00	
EATING & DRINK	59	0.02	0.00	0.00	0.00	0.02	
ALL OTH RETAIL	60	0.01	0.01	0.00	0.00	0.00	
BANKING & CREDIT	61	0.02	0.01	0.05	0.03	0.16	
INS REAL EST FIN	62	0.00	0.00	0.00	0.00	0.25	
LODGING SERVICES	63	0.04	0.00	0.00	0.00	0.06	
PERSONAL SERVICE	64	0.02	0.01	0.10	0.25	0.00	
ADVERT & OTH SVC	65	0.17	0.10	2.39	0.10	2.14	
MOT PICT & OTH	66	0.01	0.00	0.00	0.02	0.01	
AUTO RENT & PRK	67	0.03	0.00	0.00	0.00	0.00	
MISC REPAIR	68	0.02	0.01	0.03	0.05	0.01	
MEDICAL & DENTAL	69	0.00	0.00	0.00	0.00	0.00	
EDUCATION	70	0.00	0.00	0.00	0.00	0.01	
PROFESSIONAL SVC	71	0.76	1.09	1.13	0.49	5.17	
TOTALS		39.09	115.30	75.62	66.24	175.81	57.64

REGIONS	37	38	39	40	41	42
IRRIG COTTON	0.00	0.00	0.00	0.00	0.00	0.00
IRRIG GRAINS	0.00	0.00	0.00	0.00	0.00	0.00
VEG, CIT, & OTH IRG	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND COTTON	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN	0.00	0.00	0.00	0.00	0.00	0.00
OTH DRYLAND CRPS	0.00	0.00	0.00	0.00	0.00	0.00
LIVESTOCK	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY & POULTRY	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SUPPLY	0.00	0.00	0.00	0.00	0.00	0.00
GINNING	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SERVICES	0.00	0.00	0.00	0.00	0.00	0.00
FISHERIES	0.00	0.00	0.00	0.00	0.00	0.00
CRUDE PETR GAS	0.00	0.00	0.00	0.00	0.00	0.00
RES CONSTR ALT-R	0.47	6.35	0.00	6.23	0.00	0.00
CDM, EDUC, & IN, CON	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	0.00	0.00	0.00	0.00	0.00	0.00
MEAT PRODUCTS	0.03	0.84	0.00	0.10	0.00	0.00
DAIRY MFG	0.00	0.00	0.00	0.00	0.00	0.00
CANNED & OTH FCS	0.00	0.00	0.00	0.00	0.00	0.00
OTHER FOOD	0.00	0.00	0.00	0.00	0.00	0.00
BEVERAGES	0.00	0.00	0.00	0.00	0.00	0.00
TEXTILE MILL PRO	0.00	0.00	0.00	0.00	0.00	0.00
WOOD FURN OTH	0.00	0.00	0.00	0.00	0.00	0.00
NEWSPR, PUB & PRT	0.03	0.10	0.00	0.00	0.00	0.00
CHEM, DRUGS & REL	0.08	0.05	0.00	0.04	0.00	0.00
PETRO REFIN & PRO	0.30	0.04	0.00	0.02	0.00	0.00
CLAY, STONE, SHELL	0.00	0.00	0.00	0.00	0.00	0.00
CEMENT, CONCRETE	0.00	0.03	0.00	0.00	0.00	0.00
PRIMARY METALS	0.00	0.02	0.00	0.00	0.00	0.00
FAB STEEL & OTH	0.00	0.04	0.00	0.00	0.00	0.00
MACH & PROC EQUI	0.00	0.28	0.00	0.04	0.00	0.00
ELECT, ELECTRONIC	0.00	0.31	0.00	0.15	0.01	0.00
TRANS EQUIP	0.00	0.05	0.00	0.00	0.00	0.00
ALL OTHER MFG	0.00	0.08	0.01	0.00	0.00	0.00
HWY MTR FGT HWH	0.15	0.46	0.21	0.40	0.00	0.00
WATER TRANSPORT	0.06	0.65	0.00	0.63	0.00	0.00
AIR TRANSPORT	0.00	0.08	0.06	0.05	0.00	0.00
OTHER TRANSPORT	0.01	0.00	0.05	0.02	0.00	0.00
COMMUNICATIONS	0.29	0.22	0.01	0.24	0.00	0.00
GAS SERVICES	0.00	0.01	0.00	3.00	0.00	0.00
ELECTRIC SERVICE	0.03	0.21	0.21	0.09	0.00	0.00
WATER, SAN SVCS	0.01	0.00	0.00	0.01	0.00	0.00
W/S AUT SUPP	0.00	0.00	0.00	0.00	0.00	0.00
W/S GROC & RELATED	0.00	0.00	0.00	0.00	0.00	0.00
W/S FARM PRODS	0.00	0.00	0.00	0.00	0.00	0.00
W/S LIVESTOCK	0.00	0.00	0.00	0.00	0.00	0.00
W/S MACH EC, SUPP	0.00	0.00	0.00	0.00	0.00	0.00
W/S PETR PRODS	0.07	0.00	0.00	0.00	0.00	0.00
GEN WHOLESAL	0.00	0.00	0.00	0.00	0.00	0.00
LUMBER YARDS	0.00	0.00	0.00	0.00	0.00	0.00
FARM EQUIP DLRS	0.00	0.00	0.00	0.00	0.00	0.00
HDW HEAT & OTHER	0.00	0.00	0.01	0.00	0.00	0.00
DEPT & VAR SR	0.00	0.00	0.00	0.00	0.00	0.00
FOOD STCRS	0.00	0.00	0.00	0.00	0.00	0.00
AUTO DEALERS	0.00	0.02	0.00	0.02	0.11	0.02
GAS SERV STAT	0.12	0.14	0.05	0.14	0.08	0.05
APPAREL & ACCESS	0.00	0.00	0.00	0.00	0.00	0.00
FURN, HOME FURN	0.00	0.00	0.00	0.00	0.00	0.00
EATING & DRINK	0.00	0.00	0.00	0.00	0.00	0.00
ALL OTH RETAIL	0.00	0.00	0.00	0.00	0.00	0.00
BANKING & CREDIT	0.02	0.04	0.05	0.10	0.17	0.06
INS REAL EST FIN	0.03	0.02	0.02	0.02	0.02	0.01
LODGING SERVICES	0.01	0.01	0.00	0.01	0.00	0.00
PERSONAL SERVICE	0.00	0.13	0.00	0.01	0.00	0.00
ADVERT & OTH SVC	1.08	0.47	0.41	0.33	0.15	0.09
MOT PICT & OTH	0.00	0.00	0.01	0.00	0.01	0.00
AUTO RENT & PRK	0.00	0.01	0.00	0.00	0.00	0.00
MISC REPAIR	0.00	0.05	0.01	0.13	0.07	0.00
MEDICAL & DENTAL	0.00	0.00	0.00	0.00	0.00	0.00
EDUCATION	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	0.10	0.41	0.27	0.89	0.79	0.28
TOTALS	69.04	42.51	52.57	12.76	31.33	75.36

REGIONS		43	44	45	46	47	48
IRRIG COTTON	1	0.00	0.00	0.00	0.00	0.00	0.00
IRRIG GRAINS	2	0.00	0.00	0.00	0.00	0.00	0.00
VEG,CIT,GOV IRG	3	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND COTTON	4	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN	5	0.00	0.00	0.00	0.00	0.00	0.00
OTH DRYLAND CRPS	6	0.00	0.00	0.00	0.00	0.00	0.00
LIVESTOCK	7	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY & PCULTRY	8	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SUPPLY	9	0.00	0.00	0.00	0.00	0.00	0.00
GINNING	10	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.00	0.00
FISHERIES	12	0.00	0.06	0.00	0.00	0.00	0.00
CRUDE PETR GAS	13	0.01	0.02	0.32	0.02	0.02	0.33
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00	0.00
COM, EDUC, & IN, CON	15	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	16	0.01	0.01	0.05	1.25	0.02	0.01
MEAT PRODUCTS	17	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.00	0.00
CANNED & OTH FCS	19	0.00	0.22	0.00	0.00	0.00	0.00
OTHER FCOG	20	0.00	0.01	0.00	0.00	0.00	0.00
BEVERAGES	21	0.00	0.00	0.00	0.02	0.00	0.00
TEXTILE MILL PRD	22	0.00	0.00	0.00	0.00	0.00	0.00
WOOD FURN OTH	23	0.00	0.00	0.00	0.00	0.00	0.00
NEWSPR PUB & PRT	24	0.03	0.08	0.04	0.13	0.06	0.02
CHEM, DRUGS & REL	25	0.00	0.00	0.00	0.00	0.00	0.00
PETRO REFIN, S&PRO	26	0.00	0.00	0.00	0.00	0.00	0.00
CLAY, STONE, SHELL	27	0.00	0.00	0.00	0.00	0.00	0.00
CEMENT, CONCRETE	28	0.00	0.00	0.00	0.00	0.00	0.00
PRIMARY METALS	29	0.00	0.00	0.00	0.00	0.00	0.00
FAB STEEL & OTH	30	0.00	0.00	0.00	0.02	0.00	0.00
MACH & PRCC EQUI	31	0.00	0.00	0.00	0.00	0.00	0.00
ELECT, ELECTRONIC	32	0.00	0.00	0.04	0.00	0.00	0.02
TRANS, EQUIP	33	0.00	0.24	0.00	0.04	0.03	0.00
ALL OTHER MFG	34	0.06	0.00	0.00	0.00	0.02	0.00
HWY MTR FGT FWH	35	0.20	0.18	4.71	0.37	0.08	0.05
WATER TRANSPORT	36	0.00	0.00	0.03	0.00	0.00	0.03
AIR TRANSPORT	37	0.42	0.00	0.01	0.02	0.25	0.00
OTHER TRANSPORT	38	0.00	0.01	0.61	0.02	0.02	0.01
COMMUNICATIONS	39	1.44	0.90	0.96	0.87	2.09	0.78
GAS SERVICES	40	0.00	0.01	0.09	0.00	0.00	0.16
ELECTRIC SERVICE	41	0.13	0.38	1.90	0.32	0.26	0.15
WATER, SAN SVCS	42	0.08	0.14	0.07	0.13	0.17	0.04
W/S AUTO SUPP	43	30.00	0.00	0.03	0.00	0.06	0.00
W/S GROC RELATED	44	0.00	25.00	0.00	0.00	0.00	0.00
W/S FARM PRODS	45	0.00	0.00	1.00	0.00	0.00	0.00
W/S LIVESTOCK	46	0.00	0.00	0.00	20.00	0.00	0.00
W/S MACH EC, SUPP	47	0.00	0.04	0.02	0.00	0.00	0.00
W/S PETR PRODS	48	0.00	0.00	0.00	0.00	0.00	11.00
GEN WHOLESALE	49	0.00	0.00	0.08	0.17	0.00	0.00
LUMBER YARDS	50	0.00	0.00	0.00	0.00	0.00	0.00
FARM EQUIP DLRS	51	0.00	0.00	0.00	0.00	0.00	0.00
HDW HEAT & OTHER	52	0.00	0.00	0.00	0.00	0.00	0.00
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00	0.00
FOOD STORES	54	0.00	0.00	0.00	0.00	0.00	0.00
AUTO DEALERS	55	0.00	0.00	0.00	0.00	0.00	0.00
GAS SERV STAT	56	0.13	0.32	0.33	1.90	0.06	0.17
APR REL & ACCESS	57	0.00	0.00	0.00	0.00	0.00	0.00
FURN, HOME FURN	58	0.00	0.00	0.00	0.00	0.00	0.00
EATING & DRINK	59	0.00	0.00	0.00	0.00	0.00	0.00
ALL OTH RETAIL	60	0.00	0.00	0.00	0.00	0.00	0.00
BANKING & CREDIT	61	0.48	0.13	0.10	1.78	2.15	0.51
INS REAL EST FIN	62	0.01	0.00	0.01	0.32	0.01	0.00
LODGING SERVICES	63	0.00	0.00	0.01	0.08	0.00	0.00
PERSONAL SERVICE	64	0.00	0.01	0.02	0.00	0.00	0.00
ADVERT & OTH SVC	65	0.27	0.80	0.19	3.20	0.45	0.13
NOT PICT & OTH	66	0.04	0.01	0.00	0.15	0.18	0.04
AUTO RENT & PRK	67	0.00	0.00	0.01	0.00	0.00	0.03
MISC REPAIR	68	0.11	0.40	9.23	0.01	0.04	0.15
MEDICAL & DENTAL	69	0.00	0.00	0.00	0.01	0.00	0.00
EDUCATION	70	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	71	0.49	1.83	9.47	3.88	5.47	1.32
TOTALS		34.06	31.03	29.56	218.05	30.58	15.11

REGIONS		49	50	51	52	53	54
IRRIG COTTON	1	0.00	0.00	0.00	0.00	0.00	0.00
IRRIG GRAINS	2	0.00	0.00	0.00	0.00	0.00	0.00
VEG, CIT, BOTH IRG	3	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND COTTON	4	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN	5	0.00	0.00	0.00	0.00	0.00	0.00
OTH DRYLAND CRPS	6	0.00	0.00	0.00	0.00	0.00	0.00
LIVESTOCK	7	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY & PCULTRY	8	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SUPPLY	9	0.00	0.00	0.00	0.00	0.00	0.00
GINNING	10	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.00	0.00
FISHERIES	12	0.00	0.00	0.00	0.00	0.00	0.00
CRUDE PETR GAS	13	0.03	0.00	0.01	0.04	0.01	0.02
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00	0.00
COM, EDUC, & IN, CON	15	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	16	0.02	0.00	0.00	0.03	0.02	0.01
MEAT PRODUCTS	17	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.00	0.00
CANNED & OTH FOS	19	0.00	0.00	0.00	0.00	0.00	0.00
OTHER FOOD	20	0.00	0.00	0.00	0.00	0.00	0.00
BEVERAGES	21	0.00	0.00	0.00	0.00	0.00	0.00
TEXTILE MILL PRO	22	0.01	0.00	0.00	0.00	0.00	0.00
WOOD FURN OTH	23	0.00	0.00	0.00	0.00	0.02	0.00
NEWSPR PUB & PRT	24	0.06	0.53	0.08	1.04	3.19	0.57
CHEM, DRUGS & REL	25	0.00	0.00	0.00	0.00	0.00	0.00
PETRO REFIN & PRO	26	0.00	0.00	0.00	0.00	0.00	0.00
CLAY, STONE, SHELL	27	0.00	0.00	0.00	0.00	0.00	0.00
CEMENT, CONCRETE	28	0.00	0.00	0.00	0.00	0.00	0.00
PRIMARY METALS	29	0.00	0.00	0.00	0.00	0.00	0.00
FAB STEEL & OTH	30	0.00	0.00	0.00	0.00	0.01	0.00
MACH & PRCC EQUI	31	0.00	0.00	0.00	0.00	0.00	0.00
ELECT, ELECTRONIC	32	0.00	0.00	0.00	0.00	0.00	0.00
TRANS, EQUIP	33	0.00	0.00	0.00	0.00	0.00	0.00
ALL OTHER MFG	34	0.00	0.00	0.00	0.00	0.00	0.00
HWY MTR FGT HWH	35	0.13	0.01	0.03	1.63	0.75	0.02
WATER TRANSPORT	36	0.00	0.00	0.00	0.00	0.00	0.00
AIR TRANSPORT	37	0.00	0.00	0.00	0.00	0.01	0.00
OTHER TRANSPORT	38	0.01	0.00	0.00	0.03	0.02	0.01
COMMUNICATIONS	39	0.93	0.08	1.08	3.34	0.83	0.16
GAS SERVICES	40	0.01	0.00	0.00	0.01	0.00	0.01
ELECTRIC SERVICE	41	0.39	0.02	0.12	0.50	0.38	0.41
WATER, SAN SVCS	42	0.26	0.01	0.08	0.35	0.04	0.19
W/S AUTC SUPP	43	0.00	0.00	0.00	0.01	0.00	0.00
W/S GROC RELATED	44	0.00	0.00	0.00	0.00	0.00	0.00
W/S FARM PRODS	45	0.00	0.00	0.00	0.00	0.00	0.00
W/S LIVESTOCK	46	0.00	0.00	0.00	0.00	0.00	0.00
W/S MACH EQ, SUPP	47	0.00	0.00	0.00	0.00	0.00	0.00
W/S PETR PRODS	48	0.00	0.00	0.00	0.00	0.00	0.00
GEN WHOLESAL	49	24.00	0.00	0.00	0.00	0.01	0.00
LUMBER YARDS	50	0.00	25.00	0.00	0.00	0.00	0.00
FARM EQUIP DLRS	51	0.00	0.00	25.00	0.00	0.00	0.00
HDW HEAT & OTHER	52	0.12	0.00	0.00	6.00	0.00	0.00
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	54.00	0.00
FOOD STCRS	54	0.00	0.00	0.00	0.00	0.00	29.00
AUTO DEALERS	55	0.00	0.00	0.00	0.00	0.00	0.00
GAS SERV STAT	56	0.85	0.10	1.73	0.03	0.24	0.11
APPAREL & ACCESS	57	0.00	0.00	0.00	0.00	0.00	0.00
FURN, HDM, FURN	58	0.00	0.00	0.00	0.00	0.00	0.00
EATING & DRINK	59	0.00	0.00	0.00	0.00	0.01	0.00
ALL OTH RETAIL	60	0.00	0.00	0.00	0.00	0.00	0.00
BANKING & CREDIT	61	0.00	0.00	0.00	0.00	0.50	0.06
INS REAL EST FIN	62	0.03	0.00	0.00	0.00	0.09	0.00
LODGING SERVICES	63	0.00	0.00	0.00	0.00	0.03	0.00
PERSONAL SERVICE	64	0.02	0.00	0.00	0.00	0.00	0.00
ADVERT & OTH SVC	65	0.59	0.00	0.18	0.06	1.54	0.01
MOT PICT & CTH	66	0.03	0.00	0.00	0.00	0.04	0.00
AUTO RENT & PRK	67	0.02	0.00	0.00	0.00	0.13	0.00
MISC REPAIR	68	0.15	0.01	0.36	0.00	0.15	0.33
MEDICAL & DENTAL	69	0.00	0.00	0.00	0.00	0.00	0.00
EDUCATION	70	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	71	1.52	0.12	0.05	9.54	0.89	0.39
TOTALS		29.70	29.95	33.10	81.74	63.07	31.41



REGIONS		55	56	57	58	59	60
IRRIG COTTON	1	0.00	0.00	0.00	0.00	0.04	0.00
IRRIG GRAINS	2	0.00	0.00	0.00	0.00	0.00	0.00
VEG,CIT,&OTH IRG	3	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND COTTON	4	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN	5	0.00	0.00	0.00	0.00	0.06	0.00
OTH DRYLAND CRPS	6	0.00	0.00	0.00	0.00	0.02	0.00
LIVESTOCK	7	0.00	0.00	0.00	0.00	0.03	0.00
DAIRY & PCULTRY	8	0.00	0.00	0.00	0.00	0.07	0.00
AGRI SUPPLY	9	0.00	0.00	0.00	0.00	0.00	0.00
GINNING	10	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.00	0.00
FISHERIES	12	0.00	0.00	0.00	0.00	0.01	0.00
CRUDE PETR GAS	13	0.02	0.04	0.06	0.05	0.03	0.04
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00	0.00
COM, EDUC, & IN, CON	15	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	16	0.03	0.01	0.04	0.04	0.06	0.02
MEAT PRODUCTS	17	0.00	0.00	0.00	0.00	0.01	0.00
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.13	0.00
CANNED & OTH FDS	19	0.00	0.00	0.00	0.00	0.04	0.00
OTHER FOOD	20	0.00	0.00	0.00	0.00	0.66	0.00
BEVERAGES	21	0.00	0.00	0.01	0.00	0.26	0.00
TEXTILE MILL PRO	22	0.00	0.00	0.00	0.00	0.01	0.00
WOOD FURN OTH	23	0.00	0.00	0.00	0.02	0.01	0.00
NEWSPR PUB & PRT	24	0.76	0.05	1.26	4.61	0.24	0.62
CHEM, DRUGS & REL	25	0.00	0.00	0.00	0.00	0.01	0.00
PETRO REFIN & PRC	26	0.00	0.00	0.00	0.00	0.00	0.00
CLAY, STONE, SHELL	27	0.00	0.00	0.00	0.00	0.00	0.00
CEMENT, CONCRETE	28	0.00	0.00	0.00	0.00	0.00	0.00
PRIMARY METALS	29	0.00	0.00	0.00	0.00	0.00	0.00
FAB STEEL & OTH	30	0.00	0.00	0.00	0.00	0.00	0.00
MACH & PROC EQUI	31	0.00	0.00	0.00	0.62	0.00	0.00
ELECT, ELECTRONIC	32	0.00	0.00	0.00	0.00	0.00	0.00
TRANS EQUIP	33	0.00	0.00	0.00	0.00	0.00	0.00
ALL OTHER MFG	34	0.00	0.00	0.00	0.00	0.00	0.00
HWY MTR FGT HWH	35	1.42	0.01	0.18	0.55	0.05	0.03
WATER TRANSPORT	36	0.00	0.00	0.00	0.00	0.00	0.00
AIR TRANSPORT	37	0.00	0.00	1.27	0.00	0.01	0.02
OTHER TRANSPORT	38	0.01	0.02	0.14	0.02	0.03	0.02
COMMUNICATIONS	39	1.49	0.02	1.78	0.11	0.32	0.64
GAS SERVICES	40	0.00	0.01	0.01	0.02	0.01	0.01
ELECTRIC SERVICE	41	0.27	1.11	0.75	0.76	0.42	0.42
WATER, SAN SVCS	42	0.18	0.15	0.09	0.53	0.41	0.20
W/S AUTC SUPP	43	0.00	0.00	0.00	0.00	0.00	0.00
W/S GROCE RELATED	44	0.00	0.00	0.00	0.00	0.00	0.00
W/S FARM PRODS	45	0.00	0.00	0.00	0.00	0.00	0.00
W/S LIVESTOCK	46	0.00	0.00	0.00	0.00	0.00	0.00
W/S MACH EC, SUPP	47	0.00	0.00	0.00	0.00	0.01	0.00
W/S PETR PRODS	48	0.00	0.00	0.00	0.00	0.00	0.02
GEN WHOLESALE	49	0.00	0.00	0.01	0.01	0.15	0.00
LUMBER YARDS	50	0.00	0.00	0.00	0.00	0.00	0.00
FARM EQUIP DLRS	51	0.00	0.00	0.00	0.00	0.00	0.00
HDW HEAT & OTHER	52	0.00	0.00	0.00	0.00	0.00	0.00
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00	0.00
FOOD STCRS	54	0.00	0.00	0.00	0.00	0.00	0.00
AUTO DEALERS	55	22.00	0.00	0.00	0.00	0.00	0.00
GAS SERV STAT	56	0.58	370.01	0.21	0.11	0.20	0.03
APPAREL & ACCESS	57	0.00	0.00	36.00	0.00	0.00	0.00
FURN, HOME FURN	58	0.00	0.00	0.00	36.00	0.00	0.00
EATING & DRINK	59	0.01	0.00	0.02	0.01	0.00	0.01
ALL OTH RETAIL	60	0.00	0.00	0.00	0.00	0.00	0.00
BANKING & CREDIT	61	0.21	0.00	0.85	2.05	0.34	1.14
INS REAL EST FIN	62	0.09	0.00	0.16	0.11	0.21	0.04
LODGING SERVICES	63	0.02	0.00	0.04	0.03	0.05	0.04
PERSONAL SERVICE	64	0.00	0.00	0.00	0.00	0.04	0.00
ADVERT & OTH SVC	65	0.49	0.02	0.14	0.31	0.13	0.09
MOT PICT & OTH	66	0.01	0.00	0.07	0.17	0.02	0.09
AUTO RENT & PRK	67	0.00	0.00	0.00	0.03	0.01	0.00
MISC REPAIR	68	0.20	0.00	0.31	0.01	0.36	0.20
MEDICAL & DENTAL	69	0.00	0.00	0.00	0.00	0.00	0.00
EDUCATION	70	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	71	2.48	5.74	1.81	0.35	1.59	3.57
TOTALS		30.13	377.33	46.00	45.89	75.33	52.41

REGIONS		61	62	63	64	65	66
IRRIK COTTON	1	0.00	0.00	0.00	0.00	0.00	0.00
IRRIK GRAINS	2	0.00	0.00	0.00	0.00	0.00	0.00
VEG,CIT,&OTH IRG	3	0.00	0.01	1.73	0.00	0.00	0.00
DRYLAND COTTON	4	0.00	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN	5	0.00	0.00	0.03	0.00	0.00	0.00
OTH DRYLAND CRPS	6	0.00	0.00	0.02	0.00	0.00	0.00
LIVESTOCK	7	0.00	0.00	0.58	0.19	0.00	0.00
DAIRY & POULTRY	8	0.00	0.00	1.00	0.00	0.00	0.00
AGRI SUPPLY	9	0.00	0.00	0.00	0.00	0.00	0.00
GINNING	10	0.00	0.00	0.00	0.00	0.00	0.00
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.00	0.00
FISHERIES	12	0.00	0.00	0.33	0.00	0.00	0.00
CRUDE PETR GAS	13	0.01	0.03	0.07	0.07	0.04	0.08
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00	0.00
COM, EDUC, & IN, CON	15	0.00	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	16	0.13	0.83	1.93	0.28	0.04	0.34
MEAT PRODUCTS	17	0.00	0.00	0.00	0.00	0.00	0.00
DAIRY MFG	18	0.00	0.00	0.03	0.00	0.00	0.00
CANNED & OTH FCS	19	0.00	0.00	1.10	0.00	0.00	0.00
OTHER FOOD	20	0.00	0.00	0.05	0.00	0.00	0.00
BEVERAGES	21	0.00	0.34	0.05	0.05	0.00	0.00
TEXTILE MILL PRO	22	0.00	0.00	0.01	0.06	0.00	0.00
WOOD FURN OTH	23	0.00	0.01	0.18	0.00	0.02	0.03
NEWSPR PUB & PRT	24	0.33	1.16	0.17	0.20	0.70	3.49
CHEM, DRUGS & REL	25	0.00	0.01	0.05	0.00	0.35	0.00
PETRO REFIN & PRC	26	0.00	0.00	0.00	0.00	0.00	0.00
CLAY, STCNE, SHELL	27	0.00	0.01	0.04	0.00	0.00	0.00
CEMENT, CONCRETE	28	0.00	0.03	0.09	0.01	0.00	0.01
PRIMARY METALS	29	0.00	0.00	0.00	0.00	0.00	0.00
FAB STEEL & OTH	30	0.00	0.02	0.04	0.00	0.00	0.02
MACH & PROC EQUI	31	0.00	0.00	0.01	0.00	0.00	0.00
ELECT, ELECTRONIC	32	0.00	0.00	0.00	0.00	0.00	0.00
TRANS EQUIP	33	0.00	0.02	0.09	0.01	0.00	0.01
ALL OTHER MFG	34	0.00	0.00	0.01	0.05	0.00	0.00
HWY MTR FGT HWH	35	0.11	0.24	0.11	0.40	0.14	0.12
WATER TRANSPORT	36	0.00	0.00	0.00	0.00	0.00	0.00
AIR TRANSPORT	37	0.00	0.19	0.00	0.00	0.26	0.00
OTHER TRANSPORT	38	0.01	0.02	0.03	0.00	0.00	0.00
COMMUNICATIONS	39	0.73	1.12	0.44	0.47	0.00	0.01
GAS SERVICES	40	0.00	0.01	0.02	0.03	0.01	0.03
ELECTRIC SERVICE	41	0.13	0.38	1.02	0.77	0.33	1.47
WATER, SAN SVCS	42	0.05	0.18	0.61	0.29	0.32	0.52
W/S AUTO SUPP	43	0.00	0.00	0.00	0.00	0.05	0.00
W/S GROCRELATED	44	0.00	0.00	0.36	0.00	0.00	0.00
W/S FARM PRODS	45	0.00	0.00	0.00	0.00	0.00	0.00
W/S LIVESTOCK	46	0.00	0.00	0.02	0.00	0.00	0.00
W/S MACH EQ, SUPP	47	0.00	0.00	0.01	0.00	0.03	0.00
W/S PETR PRODS	48	0.00	0.00	0.00	0.00	0.00	0.00
GEN WHOLESAL E	49	0.04	0.09	0.06	0.04	0.08	0.03
LUMBER YARDS	50	0.00	0.00	0.00	0.00	0.00	0.00
FARM EQUIP DLRS	51	0.00	0.00	0.00	0.00	0.00	0.00
HDW HEAT & OTHER	52	0.00	0.00	0.00	0.00	0.00	0.00
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00	0.00
FOOD STORES	54	0.00	0.00	0.94	0.00	0.00	0.00
AUTO DEALERS	55	0.00	0.01	0.03	0.32	0.03	0.01
GAS SERV STAT	56	0.11	0.61	0.09	0.21	0.06	0.06
APPAREL & ACCESS	57	0.00	0.00	0.00	0.00	0.00	0.00
FURN, HOME FURN	58	0.00	0.00	0.00	0.00	0.00	0.00
EATING & DRINK	59	0.00	0.61	0.00	0.00	0.06	0.00
ALL OTH RETAIL	60	0.00	0.00	0.07	0.00	0.00	0.07
BANKING & CREDIT	61	34.01	2.58	0.04	0.01	0.01	0.01
INS REAL EST FIN	62	0.03	5.00	0.01	0.00	0.00	0.00
LODGING SERVICES	63	0.01	1.26	154.00	123.00	0.11	0.00
PERSONAL SERVICE	64	0.02	0.00	0.03	0.00	0.00	0.82
ADVERT & OTH SVC	65	0.98	1.82	0.08	0.71	6.00	0.10
MOT PICT & OTH	66	2.93	0.22	0.15	0.00	0.00	90.00
AUTO RENT & PRK	67	0.00	0.02	0.00	0.00	0.14	0.02
MISC REPAIR	68	0.03	0.01	0.04	0.19	0.18	1.01
MEDICAL & DENTAL	69	0.00	0.15	0.00	0.00	0.00	0.00
EDUCATION	70	0.00	0.00	0.00	0.00	0.00	0.00
PROFESSIONAL SVC	71	1.58	5.52	1.34	1.41	1.74	2.09
TOTALS		41.38	22.77	168.92	130.01	87.14	107.39

REGIONS		67	68	69	70	71
IRRIG COTTON	1	0.00	0.00	0.00	0.01	0.00
IRRIG GRAINS	2	0.00	0.00	0.00	0.00	0.00
VEG,CIT,&OTH IRG	3	0.00	0.00	0.11	0.00	0.00
DRYLAND COTTON	4	0.00	0.00	0.00	0.00	0.00
DRYLAND FEED GRN	5	0.00	0.00	0.00	0.11	0.00
OTH DRYLAND CRPS	6	0.00	0.01	0.00	0.00	0.00
LIVESTOCK	7	0.00	0.00	0.00	0.00	0.00
DAIRY & POULTRY	8	0.00	0.00	0.00	0.00	0.00
AGRI SUPPLY	9	0.00	0.00	0.00	0.00	0.00
GINNING	10	0.00	0.00	0.00	0.00	0.00
AGRI SERVICES	11	0.00	0.00	0.00	0.00	0.00
FISHERIES	12	0.00	0.00	0.00	0.00	0.00
CRUDE PETR GAS	13	0.01	0.17	0.00	0.00	0.12
RES CONSTR ALT-R	14	0.00	0.00	0.00	0.00	0.00
COM, EDUC, & IN, CON	15	0.00	0.00	0.00	0.00	0.00
FAC & OTH CONSTR	16	0.08	0.03	0.00	0.00	0.22
MEAT PRCDUCTS	17	0.00	0.00	0.00	0.00	0.00
DAIRY MFG	18	0.00	0.00	0.00	0.00	0.00
CANNED & OTH FCS	19	0.00	0.00	0.00	0.00	0.00
OTHER FCOD	20	0.00	0.00	0.01	0.28	0.00
BEVERAGES	21	0.00	0.00	0.00	0.00	0.00
TEXTILE MILL PRG	22	0.00	0.00	0.00	0.00	0.00
WOOD FURN OTH	23	0.00	0.02	0.00	0.14	0.01
NEWSPR PUB & PRT	24	0.04	0.04	0.22	0.17	0.19
CHEM, DRUGS & REL	25	0.00	0.01	0.00	0.03	0.00
PETRO REFIN & PRD	26	0.00	0.00	0.00	0.00	0.00
CLAY, STCNE, SHELL	27	0.00	0.00	0.00	0.00	0.00
CEMENT, CONCRETE	28	0.00	0.00	0.00	0.01	0.00
PRIMARY METALS	29	0.00	0.00	0.00	0.00	0.00
FAB STEEL & OTH	30	0.00	0.03	0.00	0.01	0.00
MACH & PRCC EQUI	31	0.00	0.01	0.00	0.01	0.00
ELECT, ELECTRONIC	32	0.03	0.16	0.00	0.04	0.00
TRANS EQUIP	33	0.00	0.00	0.02	0.03	0.00
ALL OTHER MFG	34	0.00	0.01	0.02	0.02	0.00
HWY MTR FGT HWH	35	0.05	0.59	0.10	0.00	0.09
WATER TRANSPORT	36	0.00	0.01	0.00	0.00	0.11
AIR TRANSPORT	37	0.00	0.03	0.00	0.00	0.15
OTHER TRANSPORT	38	0.00	0.74	0.00	0.00	0.00
COMMUNICATIONS	39	1.26	0.52	0.00	0.00	0.05
GAS SERVICES	40	0.00	0.01	0.00	0.00	0.00
ELECTRIC SERVICE	41	0.03	0.33	0.33	0.00	0.00
WATER, SAN SVCS	42	0.03	0.22	0.00	0.00	0.00
W/S ALTO SUPP	43	0.04	0.00	0.00	0.00	0.05
W/S GROCC&RELATED	44	0.00	0.00	0.00	0.00	0.00
W/S FARM PRODS	45	0.00	0.00	0.00	0.00	0.00
W/S LIVESTOCK	46	0.00	0.00	0.00	0.00	0.00
W/S MACH EQ, SUPP	47	0.00	0.00	0.00	0.00	0.00
W/S PETR PRODS	48	0.00	0.00	0.00	0.00	0.00
GEN WHOLESAL	49	0.01	0.31	0.19	0.11	0.00
LUMBER YARDS	50	0.00	0.00	0.00	0.00	0.00
FARM EQUIP DLRS	51	0.00	0.00	0.00	0.00	0.00
HDW HEAT & OTHER	52	0.00	0.00	0.00	0.00	0.00
DEPT & VAR SR	53	0.00	0.00	0.00	0.00	0.00
FOOD STORES	54	0.00	0.00	0.32	0.00	0.00
AUTO DEALERS	55	0.78	0.02	0.01	0.01	0.01
GAS SERV STAT	56	0.03	0.40	0.23	0.09	0.00
APPAREL & ACCESS	57	0.00	0.00	0.00	0.00	0.00
FURN, HOME FURN	58	0.00	0.00	0.01	0.00	0.00
EATING & DRINK	59	0.00	0.03	0.00	0.00	0.04
ALL OTH RETAIL	60	0.00	0.01	0.12	0.00	0.00
BANKING & CREDIT	61	0.01	0.04	0.04	0.05	0.00
INS REAL EST FIN	62	0.00	0.01	0.00	0.04	0.00
LODGING SERVICES	63	0.00	0.03	0.00	0.01	0.00
PERSONAL SERVICE	64	0.00	0.08	1.41	0.06	0.00
ADVERT & OTH SVC	65	0.08	0.33	0.22	0.22	0.50
MOT PICT & OTH	66	0.00	0.00	0.07	0.01	0.00
AUTO RENT & PRK	67	70.00	42.06	0.00	0.04	0.00
MISC REPAIR	68	0.13	42.00	0.23	0.02	0.06
MEDICAL & DENTAL	69	0.00	0.00	93.00	0.00	0.00
EDUCATION	70	0.00	0.00	0.00	88.00	0.10
PROFESSIONAL SVC	71	0.32	0.85	0.00	2.99	177.00
TOTALS		73.05	47.43	102.32	96.99	180.76

TABLE XVI, APPENDIX B INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	1	2	3	4	5	6	7	8
1 IRR COTTON	1.00631095	0.00020400	0.00024560	0.00027847	0.00018647	0.00017524	0.00323432	0.00661548
2 IRRIGATED GRAINS	0.00004835	1.00003748	0.00633636	0.00004786	0.01387797	0.00002848	0.00057137	0.00180112
3 VEG,CIT,OTH IRR	0.00316563	0.00227735	1.00510855	0.00340244	0.00228640	0.00189022	0.00382653	0.00108332
4 DRYLAND COTTON	0.00002369	0.00001816	0.00002186	1.00475356	0.00001659	0.00001411	0.00028882	0.00059077
5 DRYLAND FEED GRN	0.00129455	0.00109061	0.00104679	0.00115316	1.00008865	0.00074599	0.03025188	0.11061926
6 OTHER DRYLAND CR	0.00224372	0.00174070	0.00224972	0.00222918	0.00160101	1.02281407	0.00331640	0.09053251
7 RANGE,FEEDLOT LV	0.00657965	0.00464727	0.00664505	0.00709231	0.00465329	0.00394172	1.20620655	0.00222111
8 DAIRY,POULTRY,EG	0.00914637	0.00796526	0.00700545	0.00778217	0.00622999	0.00521729	0.00844525	1.00363920
9 AG SUPPLY	0.01349111	0.00970299	0.01559797	0.01233584	0.01405902	0.01506733	0.00261996	0.00426759
10 GINNING	0.04246327	0.00003667	0.00004638	0.04434350	0.00003438	0.00003117	0.00044307	0.00087621
11 AG SERVICES	0.09010365	0.10322191	0.03236003	0.04255660	0.05751434	0.04712164	0.04076647	0.05027911
12 FISHERIES	0.00142233	0.00100522	0.00143614	0.00153258	0.00100625	0.00085278	0.00171356	0.00043046
13 CR PET,NAT GAS,S	0.04843214	0.05452545	0.03977651	0.04763137	0.06439261	0.03454617	0.02931733	0.03571200
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00009162	0.00017508	0.00005654	0.00009682	0.00021944	0.00003381	0.00001515	0.00004921
16 FAC,OTH CONST	0.01843407	0.01255580	0.01530260	0.01751929	0.01502486	0.01292232	0.01757136	0.01735780
17 MEAT PRODUCTS	0.00833977	0.00588792	0.00842470	0.00899237	0.00589744	0.00499402	0.01000650	0.00240134
18 DAIRY MANUFACT	0.00795792	0.00561451	0.00804330	0.00858387	0.00562531	0.00476649	0.00953735	0.00225255
19 CAN,PRE,P,D,FROZ	0.00173609	0.00123281	0.00174803	0.00186528	0.00123117	0.00104357	0.00211584	0.00060608
20 OTH FOOD,KIN PRO	0.00776679	0.00595343	0.00716504	0.00774902	0.00543962	0.00462594	0.09467615	0.19365619
21 BEVERAGES	0.00636263	0.00460307	0.00638302	0.00678123	0.00458843	0.00392893	0.00752181	0.00213615
22 TEXTILE MILL PRO	0.00935770	0.00031767	0.00039877	0.00927248	0.00032527	0.01173289	0.00076801	0.00197453
23 WOOD,PAPER PROD	0.00859285	0.00892462	0.00411137	0.00541683	0.00615936	0.01177886	0.01354693	0.00717030
24 NEWS,PUBS,PRINT	0.00696648	0.00539214	0.00706570	0.00727310	0.00556570	0.00481727	0.00792952	0.00373388
25 CHEM,DRUG,REL PR	0.10221837	0.08302949	0.09765283	0.08512693	0.10405682	0.08264532	0.02801974	0.03620302
26 PETRO,REF,PROD	0.04710764	0.06983025	0.03092832	0.04809709	0.08337052	0.03249347	0.02197469	0.03915684
27 CLAY,CUT ST,SHEL	0.00010158	0.00007292	0.00008683	0.00009757	0.00008404	0.00006975	0.00009797	0.00008606
28 CEM,CONC PRODUCT	0.00101752	0.00070898	0.00086568	0.00097584	0.00083549	0.00070376	0.00098216	0.00090440
29 PRI MET,FOUND,FG	0.00144138	0.00229026	0.00129202	0.00640932	0.00155867	0.00088227	0.00114045	0.00050065
30 FAB ST,OTH MET	0.00236275	0.00088051	0.00381291	0.00267815	0.00276155	0.00161128	0.00246519	0.00254047
31 MACH,PROC EQUIP	0.03372937	0.06555971	0.01233303	0.03574313	0.08209117	0.01211498	0.00384876	0.01510797
32 ELEC,ELECT EQUIP	0.00060377	0.00084632	0.00035365	0.00057027	0.00118576	0.00026072	0.00025165	0.00037592
33 TRANSPORTN EQUIP	0.00091496	0.00051777	0.00063876	0.00092564	0.00058250	0.00046516	0.00073216	0.00048341
34 OTHER MANUFACT	0.00291064	0.00368868	0.01775797	0.00289737	0.00482601	0.00165569	0.00142063	0.00252752
35 HWY MOT FR,WRHSG	0.00745295	0.00551915	0.00669859	0.00745644	0.00568594	0.00465938	0.03158237	0.04580392
36 WATER TRANSPORTN	0.00258507	0.00310037	0.00199203	0.00247096	0.00377023	0.00175009	0.00107764	0.00150327
37 AIR TRANSPORTN	0.00400813	0.00319493	0.00373976	0.00398686	0.00306492	0.00248656	0.00421785	0.00157200
38 OTH TRANSPORTN S	0.01567801	0.01198210	0.01595459	0.01537702	0.01345540	0.01121503	0.01418568	0.01093882
39 COMMUNICATIONS	0.02371096	0.01973625	0.02338127	0.02366757	0.02085029	0.01649119	0.02636513	0.01858786
40 GAS SERVICES	0.01250476	0.01040082	0.01163644	0.01248955	0.01181808	0.00882074	0.01075254	0.01020780
41 ELECTRIC SERVICE	0.02923293	0.02206853	0.02695277	0.02895867	0.02414041	0.01945382	0.02770119	0.02107051
42 WATER,SANI SERVC	0.00505688	0.00386042	0.00498450	0.00517124	0.00392438	0.00322198	0.00570386	0.00231126
43 WHLSE AUTO,PT,SU	0.00728228	0.00825565	0.00548391	0.00753799	0.00966099	0.00364121	0.00607213	0.00363599
44 WHLSE GROC REL	0.00661965	0.00467725	0.00668460	0.00713333	0.00468290	0.00396863	0.00829032	0.00270199
45 WHLSE FARM PRO	0.00187617	0.00327378	0.00291590	0.00203528	0.00445812	0.00646820	0.02027369	0.07371577
46 WHLSE LIVESTOCK	0.00024261	0.00018018	0.00023192	0.00024932	0.00017016	0.00014379	0.02733480	0.00597024
47 WHLSE MAC	0.00690156	0.00522509	0.01461938	0.00723186	0.00529558	0.00416776	0.00764647	0.00228258
48 WHLSE PETRO,PROD	0.00541754	0.02015786	0.00833406	0.01366188	0.02466410	0.00908424	0.00553375	0.01165847
49 GEN WHLSE	0.05584166	0.03891600	0.05505444	0.03229271	0.04721694	0.04348114	0.04067481	0.02343701
50 RETAIL LUMBERYDS	0.00775347	0.00616443	0.00752987	0.00801690	0.00563349	0.00508055	0.01683782	0.00483700
51 FARM EQUIP DEAL	0.01954331	0.03520181	0.00674590	0.01842601	0.04091322	0.00752328	0.00344489	0.00917964
52 HRDW,HEAT,ELECT	0.00501126	0.00542313	0.00977740	0.00533220	0.00609615	0.00499756	0.00454323	0.00674791
53 DEPART,VAR STORE	0.02473829	0.01744843	0.02500641	0.02668731	0.01748249	0.01481407	0.02965090	0.00698565
54 FOOD STORES	0.03875239	0.02734864	0.03915719	0.04178894	0.02739130	0.02321264	0.04642687	0.01096979
55 AUTO DEAL REP SH	0.05331259	0.04411467	0.05238630	0.05511553	0.04751384	0.03418766	0.05282544	0.04369003
56 GAS SER STATIONS	0.01478685	0.02316993	0.00984095	0.01565431	0.02855491	0.01055212	0.00650401	0.01299200
57 APPAREL ACES STO	0.00649538	0.00458642	0.00655832	0.00700020	0.00458962	0.00388879	0.00777665	0.00183757

58 FURNITURE HOME	0.00328560	0.00231747	0.00332118	0.00354444	0.00232203	0.00196754	0.00393798	0.00092788
59 EATING DRNK PLAC	0.01534687	0.01101433	0.01550402	0.01647773	0.01106731	0.00944838	0.01825553	0.00494621
60 ALL OTHER RETAIL	0.01606081	0.01134807	0.01621970	0.01731482	0.01137156	0.00962019	0.01922530	0.00456293
61 BANK CREDIT AGEN	0.05560626	0.04709330	0.06534477	0.05516769	0.05374309	0.05476146	0.06690517	0.03808384
62 INS REAL EST FIN	0.06888349	0.06509442	0.07160370	0.06753171	0.06922331	0.06975364	0.07154243	0.08282674
63 LODGING SERVICES	0.00094965	0.00097291	0.00074395	0.00075466	0.00083905	0.00077872	0.00077750	0.00091618
64 PERSONAL SERVICE	0.01416762	0.01001725	0.01434333	0.01529223	0.01004601	0.00849486	0.01697645	0.00410251
65 ADV DUP ADD PHOT	0.01603275	0.01390138	0.01298684	0.01392748	0.01287643	0.01054477	0.01566683	0.01067691
66 MOTION PIC AMUSE	0.00382416	0.00294345	0.00414438	0.00397613	0.00315219	0.00294607	0.00458140	0.00176728
67 AUTO RENT PARK	0.00066936	0.00053544	0.00064746	0.00065679	0.00058562	0.00045653	0.00103788	0.00126669
68 MISCELL REP SERV	0.00652353	0.00522557	0.00653210	0.00656928	0.00622945	0.00550311	0.01064728	0.02670850
69 MEDICAL DENT SER	0.02865061	0.02023798	0.02896448	0.03089631	0.02028514	0.01720752	0.03431960	0.00820357
70 EDUCATION	0.06431384	0.04536470	0.06501044	0.06937812	0.04545553	0.03851672	0.07707832	0.01817251
71 PROFESSIONAL SER	0.02419034	0.01860764	0.02420083	0.02516240	0.01946246	0.01631052	0.02801087	0.01582762
72 HOUSEHOLDS	0.74969445	0.52877446	0.75782000	0.80875938	0.52980657	0.44894045	0.89857147	0.21169968
<b>TOTAL</b>	<b>2.91574336</b>	<b>2.57200923</b>	<b>2.77535113</b>	<b>2.91536187</b>	<b>2.65567527</b>	<b>2.26455359</b>	<b>3.22857961</b>	<b>2.40122966</b>



INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	9	10	11	12	13	14	15	16
1 IRR COTTON	0.00021112	0.00022392	0.00053123	0.00140768	0.00016977	0.00019521	0.00017370	0.00021227
2 IRRIGATED GRAINS	0.00003698	0.00003829	0.00010267	0.00010629	0.00003043	0.00003320	0.00003085	0.00003760
3 VEG,CIT,OTH IRR	0.00280687	0.00290675	0.00201603	0.00347406	0.00231115	0.00250910	0.00234405	0.00284595
4 DRYLAND COTTON	0.00001840	0.00001905	0.00004735	0.00012452	0.00001512	0.00001672	0.00001535	0.00001886
5 DRYLAND FEED GRN	0.00080647	0.00083489	0.00497953	0.00209823	0.00066355	0.00072230	0.00067159	0.00081855
6 OTHER DRYLAND CR	0.00172020	0.00177795	0.00455778	0.00185594	0.00141290	0.00154294	0.00143137	0.00174366
7 RANGE,FEEDLOT LV	0.00591672	0.00612619	0.00387604	0.03134574	0.00487041	0.00528664	0.00492658	0.00599601
8 DAIRY,POULTRY,EG	0.00516628	0.00534925	0.04152350	0.00521526	0.00425228	0.00461534	0.00430028	0.00523486
9 AG SUPPLY	1.00009951	0.00010306	0.00023473	0.00019037	0.00008182	0.00008913	0.00008292	0.00010087
10 GINNING	0.00004025	1.00004231	0.00007802	0.00019789	0.00003266	0.00003678	0.00003327	0.00004063
11 AG SERVICES	0.00062159	0.00064394	1.00234681	0.00164352	0.00051116	0.00055638	0.00051751	0.00062990
12 FISHERIES	0.00127767	0.00132288	0.00084407	1.01253898	0.00105156	0.00114148	0.00106334	0.00129446
13 CR PET,NAT GAS,S	0.01893929	0.03527370	0.05439265	0.03225115	1.09850766	0.02363585	0.02637652	0.02583462
14 RES CONST,ALT,RE	0	0	0	0	0	1.00000000	0	0
15 COM,ED,INST CONS	0.00000201	0.00000270	0.00004153	0.00000451	0.00000363	0.00000657	1.00002615	0.00000846
16 FAC,OTH CONST	0.00238928	0.10742110	0.00639909	0.00226359	0.00324938	0.00339521	0.00347630	1.01656575
17 MEAT PRODUCTS	0.00750572	0.00777095	0.00487398	0.00749920	0.00617753	0.00670525	0.00624782	0.00760530
18 DAIRY MANUFACT	0.00716802	0.00742133	0.00459539	0.00715393	0.00589933	0.00640281	0.00596579	0.00726233
19 CAN,PRE,P,D,FROZ	0.00154883	0.00160315	0.00110577	0.00237060	0.00127430	0.00138403	0.00128834	0.00156844
20 OTH FOOD,KIN PRO	0.00603052	0.00624445	0.01552260	0.04081927	0.00495541	0.00548083	0.00503307	0.00618312
21 BEVERAGES	0.00549127	0.00568836	0.00445981	0.00542423	0.00447704	0.00492054	0.00456032	0.00555242
22 TEXTILE MILL PRO	0.00335510	0.00712680	0.00068035	0.00932185	0.00020281	0.00534151	0.00107711	0.00055868
23 WOOD,PAPER PROD	0.00257225	0.00277802	0.06926000	0.00171819	0.00123935	0.01804471	0.00391330	0.01523950
24 NEWS,PUBS,PRINT	0.00791299	0.00673127	0.00406112	0.00522708	0.00420262	0.01263885	0.00447457	0.00584130
25 CHEM,DRUG,REL PR	0.00241177	0.00332142	0.16332298	0.00500095	0.00403809	0.01993479	0.01575873	0.00700114
26 PETRO,REF,PROD	0.01306672	0.02453050	0.04928293	0.04189943	0.02123017	0.02018760	0.03076846	0.02600411
27 CLAY,CUT ST,SHEL	0.00004016	0.00047190	0.00006116	0.00003214	0.00002713	0.00487865	0.00202356	0.00432220
28 CEM,CONC PRODUCT	0.00025886	0.00540364	0.00041062	0.00020749	0.00022697	0.01804652	0.03154598	0.05036583
29 PRI MET,FOUND,FG	0.00076621	0.00084967	0.00119350	0.00077924	0.00073643	0.00084177	0.00089679	0.00130180
30 FAB ST,OTH MET	0.00026201	0.00238280	0.00068436	0.00437605	0.00029863	0.00357890	0.01287513	0.02035248
31 MACH,PROC EQUIP	0.00029882	0.00065140	0.01518892	0.00061513	0.00111791	0.00183406	0.00971139	0.00273512
32 ELEC,ELECT EQUIP	0.00013353	0.00017684	0.00020389	0.00128652	0.00027551	0.00089823	0.00127186	0.00057789
33 TRANSPORTN EQUIP	0.00030898	0.00738572	0.00033285	0.08300653	0.00028260	0.00091914	0.00245062	0.02244932
34 OTHER MANUFACT	0.00074983	0.00057985	0.00120524	0.00110934	0.00041263	0.00118691	0.00059994	0.00084806
35 HWY MOT FR,WRHSG	0.00481763	0.01736129	0.00936478	0.00564498	0.00699086	0.00634447	0.00625469	0.01027554
36 WATER TRANSPORTN	0.00055098	0.00101467	0.00293608	0.00100277	0.02816827	0.00084408	0.00101806	0.00083251
37 AIR TRANSPORTN	0.00303691	0.00311597	0.00704740	0.00296233	0.00397189	0.00271095	0.00246468	0.00299547
38 OTH TRANSPORTN S	0.00913038	0.00925358	0.01654249	0.00915848	0.00670547	0.01066674	0.00944191	0.01164188
39 COMMUNICATIONS	0.02963908	0.02507174	0.02082568	0.01888962	0.01517903	0.02189461	0.01706013	0.02276606
40 GAS SERVICES	0.00927215	0.02507873	0.01264862	0.00771630	0.00565631	0.00789717	0.00583764	0.00711137
41 ELECTRIC SERVICE	0.03237635	0.07332386	0.02342185	0.01805553	0.01498652	0.01773111	0.01559358	0.01900210
42 WATER,SANI SERVC	0.00842759	0.00455701	0.00474254	0.00509171	0.00385530	0.00439635	0.00379560	0.00459694
43 WHLSE AUTO,PT,SU	0.00347269	0.00394990	0.00270024	0.00351795	0.00385710	0.00315632	0.00293884	0.00365356
44 WHLSE GROC REL	0.00594653	0.00615761	0.00391810	0.00609141	0.00489457	0.00531545	0.00495081	0.00602740
45 WHLSE FARM PRO	0.00049435	0.00051189	0.00320344	0.00022285	0.00040666	0.00044531	0.00041539	0.00050380
46 WHLSE LIVESTOCK	0.00020023	0.00020732	0.00035514	0.00077466	0.00016482	0.00017889	0.00016671	0.00020291
47 WHLSE MAC	0.00567207	0.00604069	0.00649860	0.02254879	0.00673864	0.00521336	0.00497852	0.00649838
48 WHLSE PETRO,PROD	0.00320224	0.00939416	0.00725870	0.02138893	0.00318331	0.00295175	0.00275944	0.00334725
49 GEN WHLSE	0.19182286	0.03335566	0.01821003	0.02468490	0.02099478	0.04421363	0.02028363	0.07245859
50 RETAIL LUMBERYDS	0.00667177	0.00699084	0.00457893	0.00691914	0.00553666	0.00599795	0.00556494	0.00751440
51 FARM EQUIP DEAL	0.00009858	0.00010215	0.05108650	0.00022690	0.00008104	0.00008833	0.00008208	0.00009994
52 HRDW,HEAT,ELECT	0.00163806	0.00140596	0.00111239	0.00140960	0.00113363	0.00123837	0.00113582	0.00149388
53 DEPART,VAR STORE	0.02228719	0.02307851	0.01425023	0.02224796	0.01834651	0.01990959	0.01855255	0.02258228
54 FOOD STORES	0.03488027	0.03611930	0.02256782	0.06063674	0.02871442	0.03116047	0.02903489	0.03534777
55 AUTO DEAL REP SH	0.03318374	0.04648299	0.02346468	0.03437244	0.02826882	0.03104508	0.03172481	0.04918644
56 GAS SER STATIONS	0.00614431	0.00466376	0.00447552	0.00412173	0.00371942	0.00594135	0.00606710	0.00602588
57 APPAREL ACES STO	0.00584152	0.00604895	0.00386174	0.00583139	0.00480977	0.00521835	0.00486270	0.00591441



58 FURNITURE HOME	0.00295996	0.00306510	0.00189267	0.00295480	0.00243887	0.00264422	0.00246401	0.00299944
59 EATING DRNK PLAC	0.01348623	0.01396057	0.00895679	0.01331932	0.01101871	0.01206722	0.01118207	0.01361974
60 ALL OTHER RETAIL	0.01444842	0.01500812	0.00939709	0.01441659	0.01192593	0.01363821	0.01315597	0.01515998
61 BANK CREDIT AGEN	0.03997098	0.05999068	0.02215118	0.02820608	0.02200302	0.07089459	0.03045440	0.03318468
62 INS REAL EST FIN	0.02547445	0.02732178	0.01316125	0.01121118	0.01130384	0.02615895	0.01851263	0.02321203
63 LODGING SERVICES	0.00022643	0.00025326	0.00400132	0.00011829	0.00020046	0.00024112	0.00017353	0.00021661
64 PERSONAL SERVICE	0.01276328	0.01322353	0.00819333	0.01278315	0.01070670	0.01163128	0.01125807	0.01322876
65 ADV DUP ADD PHOT	0.00904247	0.02361824	0.04952256	0.01082046	0.01160871	0.01371994	0.00985266	0.01398156
66 MOTION PIC AMUSE	0.00313081	0.00380691	0.00191379	0.00276461	0.00224136	0.00386998	0.00251874	0.00294657
67 AUTO RENT PARK	0.00047628	0.00044666	0.00070154	0.00938926	0.00032958	0.00045965	0.00036269	0.00043801
68 MISCELL REP SERV	0.01122660	0.00452534	0.00919871	0.00453445	0.00518947	0.00443145	0.00484147	0.00465842
69 MEDICAL DENT SER	0.02574585	0.02666216	0.01645719	0.02567644	0.02117696	0.02300599	0.02142930	0.02608788
70 EDUCATION	0.05799324	0.06000188	0.03705754	0.05783692	0.04769497	0.05177714	0.04823020	0.05871676
71 PROFESSIONAL SER	0.07224597	0.03047579	0.01654050	0.02449355	0.01625260	0.03722091	0.01982846	0.02958716
72 HOUSEHOLDS	0.67541356	0.69939484	0.43185341	0.67422530	0.55599190	0.60335865	0.56223553	0.68441727
<b>TOTAL</b>	<b>2.48334626</b>	<b>2.57824535</b>	<b>2.35448681</b>	<b>2.48953243</b>	<b>2.12011480</b>	<b>2.28668692</b>	<b>2.13741679</b>	<b>2.46969557</b>

INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	17	18	19	20	21	22	23	24
1 IRR COTTON	0.00178950	0.00249483	0.00046087	0.03584935	0.00014733	0.00168255	0.00026681	0.00017256
2 IRRIGATED GRAINS	0.00032731	0.00064890	0.00064991	0.00174116	0.00003213	0.00003366	0.00002247	0.00003070
3 VEG,CIT,OTH IRR	0.00240601	0.00154930	0.09839170	0.00223536	0.00286663	0.00252604	0.00101941	0.00232627
4 DRYLAND COTTON	0.00015583	0.00022777	0.00004085	0.00320220	0.00001312	0.00001661	0.00002352	0.00001534
5 DRYLAND FEED GRN	0.01754230	0.03900800	0.00099852	0.02181608	0.00059877	0.00072417	0.00040455	0.00066933
6 OTHER DRYLAND CR	0.00460987	0.03226151	0.00226387	0.00437331	0.00113412	0.00153779	0.00064119	0.00142589
7 RANGE,FEEDLOT LV	0.56221704	0.00301453	0.01315490	0.00464642	0.00580633	0.00529265	0.00214840	0.00490591
8 DAIRY,POULTRY,EG	0.03499937	0.35253021	0.00401042	0.00313481	0.00356804	0.00462683	0.00186961	0.00428467
9 AG SUPPLY	0.00136741	0.00153225	0.00160114	0.00094411	0.00008578	0.00010913	0.00004073	0.00008246
10 GINNING	0.00024246	0.00033475	0.00006840	0.00473274	0.00002751	0.00021237	0.00003963	0.00003309
11 AG SERVICES	0.02059404	0.01781440	0.00387901	0.00523967	0.00051302	0.00068938	0.00025091	0.00051521
12 FISHERIES	0.00107958	0.00072432	0.23542159	0.00072244	0.00083676	0.00114247	0.00046267	0.00105912
13 CR PET,NAT GAS,S	0.02018043	0.01943569	0.01767679	0.02819111	0.01212518	0.04563967	0.01600830	0.01932277
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00000890	0.00001877	0.00000727	0.00004633	0.00000118	0.00000273	0.00000139	0.00000188
16 FAC,OTH CONST	0.00909715	0.00662214	0.00303641	0.00649592	0.00126455	0.00261919	0.00137922	0.00175756
17 MEAT PRODUCTS	1.02732475	0.00349716	0.00543528	0.00365747	0.00488435	0.00671472	0.00271452	0.00622499
18 DAIRY MANUFACT	0.00601550	1.01118856	0.00440955	0.00328698	0.00466937	0.00641159	0.00258437	0.00594298
19 CAN,PRE,P,D,FROZ	0.00132957	0.00127870	1.00215564	0.00126576	0.00104235	0.00138306	0.00056726	0.00128428
20 OTH FOOD,KIN PRO	0.05108139	0.07302620	0.01339221	1.04969328	0.00430163	0.00544642	0.00771023	0.00502727
21 BEVERAGES	0.00470930	0.00266586	0.00336888	0.00266273	1.00379746	0.00484990	0.00198256	0.00452060
22 TEXTILE MILL PRO	0.00047085	0.00079221	0.00229898	0.00466718	0.00016350	1.02869832	0.00235553	0.00043377
23 WOOD,PAPER PROD	0.00677274	0.00332843	0.00480728	0.00701140	0.00086741	0.00283697	1.00848326	0.00539208
24 NEWS,PUBS,PRINT	0.00492726	0.00319774	0.00489170	0.00267157	0.00506871	0.00454783	0.00324439	1.01363753
25 CHEM,DRUG,REL PR	0.01466507	0.01358413	0.01169428	0.00775347	0.00296735	0.00231462	0.00497903	0.00216650
26 PETRO,REF,PROD	0.01585025	0.02104362	0.01637759	0.01002850	0.00848421	0.01223955	0.00510663	0.01117008
27 CLAY,CUT ST,SHEL	0.00005538	0.00003800	0.00002792	0.00004693	0.00067845	0.00003944	0.00002097	0.00002453
28 CEM,CONC PRODUCT	0.00053000	0.00037154	0.00023036	0.00038013	0.00015182	0.00020849	0.00010319	0.00016272
29 PRI MET,FOUND,FG	0.00070760	0.00044564	0.00051819	0.00046487	0.00049961	0.00076693	0.00032732	0.00065242
30 FAB ST,OTH MET	0.00127390	0.00096902	0.00147734	0.00047400	0.00017028	0.00024504	0.00033911	0.00789748
31 MACH,PROC EQUIP	0.00230864	0.00539406	0.00145184	0.00352723	0.00021543	0.00066428	0.00025490	0.00035127
32 ELEC,ELECT EQUIP	0.00016484	0.00016921	0.00036534	0.00016325	0.00007972	0.00019395	0.00007846	0.00018623
33 TRANSPORTN EQUIP	0.00042131	0.00028197	0.01945425	0.00031942	0.00020191	0.00030262	0.00013715	0.00025944
34 OTHER MANUFACT	0.00085454	0.00167896	0.00222556	0.00097910	0.00034510	0.00060213	0.00034261	0.00058380
35 HWY MOT FR,WRHSG	0.01711195	0.01765221	0.00394971	0.00403779	0.00605381	0.00485532	0.00924851	0.01253132
36 WATER TRANSPORTN	0.00070559	0.00073549	0.00061020	0.00085682	0.00036377	0.00123246	0.00046639	0.00116788
37 AIR TRANSPORTN	0.00265044	0.00154906	0.00183942	0.00142079	0.00189952	0.00280038	0.00128430	0.00242329
38 OTH TRANSPORTN S	0.00884591	0.00664798	0.00595696	0.02567272	0.00526422	0.05143124	0.01614779	0.01370566
39 COMMUNICATIONS	0.02117833	0.01287115	0.01315941	0.01476243	0.01967947	0.02053630	0.01448766	0.01956386
40 GAS SERVICES	0.00822849	0.00561846	0.00730249	0.00812274	0.00630631	0.00705153	0.00340604	0.00663017
41 ELECTRIC SERVICE	0.02203611	0.01266700	0.01850128	0.02334814	0.01731689	0.01815267	0.01022597	0.01938821
42 WATER,SANI SERVC	0.00422940	0.00218124	0.00461500	0.00303119	0.00515553	0.00412239	0.00187739	0.00391819
43 WHLSE AUTO,PT,SU	0.00408790	0.00246580	0.00230542	0.00264841	0.00234197	0.00309696	0.00150230	0.0031825
44 WHLSE GROG REL	0.00519125	0.00320939	0.01527760	0.00719228	0.00596404	0.00531852	0.00217006	0.00492843
45 WHLSE FARM PRO	0.01173397	0.02593730	0.00101121	0.00062195	0.00037083	0.00045072	0.00041009	0.0004069
46 WHLSE LIVESTOCK	0.01293165	0.00216031	0.00034294	0.00013993	0.00017557	0.00017915	0.00007257	0.00016602
47 WHLSE MAC	0.01093516	0.00277814	0.00868341	0.00272057	0.00368353	0.00505320	0.00226899	0.0060829
48 WHLSE PETRO,PROD	0.00467753	0.00697464	0.00668340	0.00256671	0.00212119	0.00296264	0.00129670	0.0027203
49 GEN WHLSE	0.02492059	0.01656157	0.01776845	0.01423615	0.01665267	0.02258974	0.01013381	0.0243921
50 RETAIL LUMBERYDS	0.00944640	0.00405319	0.00423105	0.00313813	0.00433342	0.00597157	0.00457835	0.0055791
51 FARM EQUIP DEAL	0.00189780	0.00324932	0.00075562	0.00175661	0.00007850	0.00011723	0.00004469	0.0000171
52 HRDW,HEAT,ELECT	0.00259683	0.00283085	0.00167586	0.00089939	0.00087952	0.00119869	0.00053582	0.0011758
53 DEPART,VAR STORE	0.01870273	0.01033221	0.01371294	0.01018723	0.01443717	0.01994098	0.00803376	0.0184304
54 FOOD STORES	0.02928098	0.01618467	0.02745248	0.01595100	0.02259225	0.03120492	0.01257680	0.0289966
55 AUTO DEAL REP SH	0.03376411	0.03076571	0.02225923	0.01690714	0.02387263	0.02965810	0.01212182	0.0280878
56 GAS SER STATIONS	0.00498170	0.00594765	0.00321511	0.00306133	0.00431111	0.00376394	0.00189319	0.0052789
57 APPAREL ACES STO	0.00490459	0.00271034	0.00359464	0.00267075	0.00378402	0.00522662	0.00210568	0.0048217

58 FURNITURE HOME	0.00248393	0.00137226	0.00182123	0.00135301	0.00191739	0.00264842	0.00106698	0.00245351
59 EATING DRNK PLAC	0.01145113	0.00644040	0.00825526	0.00616616	0.00863402	0.01191160	0.00486235	0.01105113
60 ALL OTHER RETAIL	0.01213264	0.00670513	0.00888749	0.00660675	0.00939904	0.01291649	0.00532330	0.01242490
61 BANK CREDIT AGEN	0.03818967	0.02253749	0.02027539	0.01418249	0.01697713	0.02332563	0.00948482	0.02172811
62 INS REAL EST FIN	0.03779200	0.03230241	0.01244184	0.00877823	0.00645410	0.00870831	0.00402211	0.00829895
63 LODGING SERVICES	0.00041029	0.00035333	0.00012946	0.00020916	0.00007141	0.00010549	0.00018921	0.00011276
64 PERSONAL SERVICE	0.01375102	0.00594043	0.00789645	0.00615427	0.00824197	0.01143175	0.00471212	0.01064241
65 ADV DUP ADD PHOT	0.00966205	0.00606859	0.00645893	0.00810290	0.01556128	0.00620243	0.00545686	0.01330406
66 MOTION PIC AMUSE	0.00276767	0.00157428	0.00179326	0.00130624	0.00175463	0.00241836	0.00097824	0.00224669
67 AUTO RENT PARK	0.00159661	0.00059562	0.00284237	0.00560854	0.00028332	0.00035307	0.00022914	0.00688929
68 MISCELL REP SERV	0.01148208	0.01154731	0.00301935	0.00280818	0.00270841	0.00366862	0.00215266	0.00589278
69 MEDICAL DENT SER	0.02163455	0.01197240	0.01583562	0.01176324	0.01665979	0.02301061	0.00927139	0.02131997
70 EDUCATION	0.04861946	0.02686138	0.03564764	0.02648228	0.03878496	0.05183535	0.02088448	0.04815485
71 PROFESSIONAL SER	0.01891458	0.01161555	0.01340711	0.00980528	0.01525592	0.01717334	0.00809244	0.02317378
72 HOUSEHOLDS	0.56678692	0.31311773	0.41557059	0.30872440	0.43751855	0.60431229	0.24346312	0.55984892
TOTAL	2.87879409	2.27625134	2.21542962	1.80642560	1.81546894	2.17225815	1.50298724	2.06357306

INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	25	26	27	28	29	30	31	32
1 IRR COTTON	0.00016310	0.00009578	0.00019137	0.00009928	0.00026799	0.00013149	0.00010583	0.00013805
2 IRRIGATED GRAINS	0.00002790	0.00001711	0.00003251	0.00001743	0.00003521	0.00002356	0.00002410	0.00002469
3 VEG,CIT,OTH IRR	0.00208651	0.00129836	0.00241373	0.00131356	0.00231924	0.00178999	0.00225038	0.00186837
4 DRYLAND COTTON	0.00001446	0.00000853	0.00001703	0.00000884	0.00002386	0.00001171	0.00000942	0.00001228
5 DRYLAND FEED GRN	0.00060380	0.00037300	0.00070582	0.00037889	0.00072406	0.00051335	0.00041736	0.00054112
6 OTHER DRYLAND CR	0.00133078	0.00079526	0.00149742	0.00080439	0.00143268	0.00109317	0.00089478	0.00119456
7 RANGE,FEEDLOT LV	0.00439210	0.00273606	0.00514733	0.00276934	0.00489892	0.00376700	0.00301185	0.00391778
8 DAIRY,POULTRY,EG	0.00383271	0.00238881	0.00446924	0.00241768	0.00426633	0.00328919	0.00260980	0.00341926
9 AG SUPPLY	0.00007487	0.00004599	0.00008629	0.00004659	0.00008459	0.00006333	0.00006368	0.00006693
10 GINNING	0.00003076	0.00001840	0.00003592	0.00001893	0.00004563	0.00002528	0.00002028	0.00002646
11 AG SERVICES	0.00046481	0.00028728	0.00053994	0.00029102	0.00052668	0.00039548	0.00034266	0.00041463
12 FISHERIES	0.00094807	0.00059076	0.00110128	0.00059771	0.00105491	0.00081387	0.00064763	0.00084563
13 CR PET,NAT GAS,S	0.15046419	0.51330123	0.16807090	0.04278950	0.04370455	0.01180595	0.01148463	0.01955831
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00002079	0.00000242	0.00000680	0.00000191	0.00000295	0.00001048	0.00026022	0.00001221
16 FAC,OTH CONST	0.02801746	0.00340951	0.00604606	0.00320913	0.00233807	0.00149017	0.00246911	0.00273871
17 MEAT PRODUCTS	0.00557289	0.00347049	0.00656553	0.00351241	0.00619560	0.00477934	0.00383405	0.00496929
18 DAIRY MANUFACT	0.00531221	0.00331398	0.00615502	0.00335409	0.00591602	0.00456261	0.00361608	0.00474362
19 CAN,PRE,P,D,FROZ	0.00115358	0.00071592	0.00135571	0.00072385	0.00127827	0.00098655	0.00079926	0.00102510
20 OTH FOOD,KIN PRO	0.00473989	0.00279510	0.00558218	0.00289785	0.00782117	0.00383751	0.00308814	0.00402650
21 BEVERAGES	0.00406820	0.00251556	0.00469174	0.00254895	0.00450304	0.00346344	0.00283336	0.00412166
22 TEXTILE MILL PRO	0.00069413	0.00012722	0.00033153	0.00012087	0.00045841	0.00016967	0.00014969	0.00023877
23 WOOD,PAPER PROD	0.00460426	0.00081532	0.02025946	0.00210127	0.00141929	0.00139259	0.00073394	0.00160918
24 NEWS,PUBS,PRINT	0.00421005	0.00249060	0.00534616	0.00369813	0.00488375	0.00342678	0.00277635	0.00363247
25 CHEM,DRUG,REL PR	1.02343594	0.02576385	0.00904491	0.00125546	0.00236882	0.00171514	0.00177159	0.00218183
26 PETRO,REF,PROD	0.01979800	1.01351591	0.02676873	0.00784547	0.01128959	0.00829686	0.00859585	0.00966255
27 CLAY,CUT ST,SHEL	0.00015401	0.00002818	1.00094437	0.00152430	0.00004589	0.00003698	0.00005389	0.00004128
28 CEM,CONC PRODUCT	0.00145751	0.00023455	1.00422324	1.02448336	0.00020188	0.00013418	0.00034788	0.00019548
29 PRI MET,FOUND,FG	0.00415113	0.00050473	0.00118732	0.00502479	1.00073665	0.00051906	0.00746132	0.00232004
30 FAB ST,OTH MET	0.00208890	0.00022733	0.00197817	0.00018923	0.00023559	1.00064072	0.00538460	0.00646877
31 MACH,PROC EQUIP	0.00564196	0.00071845	0.00205217	0.00053488	0.00056516	0.00382278	1.00420392	0.00216707
32 ELEC,ELECT EQUIP	0.00024378	0.00014906	0.00091199	0.00015605	0.00025217	0.00009696	0.00114643	1.01087130
33 TRANSPORTN EQUIP	0.00087073	0.00019645	0.00050446	0.00027566	0.00027566	0.00020052	0.00074568	0.00023830
34 OTH MANUFACT	0.00438609	0.00033648	0.00094518	0.00031235	0.00088829	0.00032708	0.00072115	0.00470913
35 HWY MOT FR,WRHSG	0.01302829	0.00482624	0.04611016	0.04938427	0.00559290	0.00302887	0.00394804	0.00460141
36 WATER TRANSPORTN	0.01141239	0.01648032	0.00447285	0.00113596	0.00117934	0.00039354	0.01386207	0.00078169
37 AIR TRANSPORTN	0.00361156	0.00212823	0.00295722	0.00147244	0.00247627	0.00183708	0.00262376	0.00346849
38 OTH TRANSPORTN S	0.06892855	0.00905150	0.17540954	0.05241315	0.04530134	0.00612803	0.00633660	0.01420285
39 COMMUNICATIONS	0.01660302	0.00881743	0.02662451	0.01694255	0.01645129	0.01672006	0.01433884	0.012814794
40 GAS SERVICES	0.04682722	0.01111149	0.05351771	0.00512255	0.01105146	0.00520743	0.00427528	0.00528273
41 ELECTRIC SERVICE	0.06228241	0.01309839	0.06206719	0.00877806	0.03120194	0.01429250	0.01058043	0.01410679
42 WATER,SANI SERVC	0.00347512	0.00257443	0.00475558	0.00284018	0.00472356	0.00320447	0.00268699	0.00290902
43 WHLSE AUTO,PT,SU	0.00399793	0.00224353	0.00466099	0.00370679	0.00290697	0.00217250	0.00255441	0.00242952
44 WHLSE GROC REL	0.00443155	0.00275029	0.00556572	0.00278314	0.00492161	0.00378784	0.00301061	0.00393755
45 WHLSE FARM PRO	0.00036779	0.00022849	0.00043231	0.00023156	0.00040911	0.00031466	0.00025205	0.00032756
46 WHLSE LIVESTOCK	0.00014857	0.00009259	0.00017356	0.00009371	0.00016563	0.00012748	0.00010160	0.00013256
47 WHLSE MAC	0.00713072	0.00415550	0.01223498	0.00682322	0.00483339	0.00589844	0.00689736	0.00526094
48 WHLSE PETRO,PROD	0.00466266	0.00320776	0.00390834	0.00220938	0.00274691	0.00205125	0.00223626	0.00230692
49 GEN WHLSE	0.02351788	0.01199073	0.02572697	0.01267250	0.04947179	0.02711293	0.01926114	0.01991433
50 RETAIL LUMBERYDS	0.00499987	0.00312230	0.00579619	0.00320745	0.00551812	0.00434350	0.00340114	0.00443235
51 FARM EQUIP DEAL	0.00007394	0.00004555	0.00008584	0.00004621	0.00008599	0.00006271	0.00005592	0.00004600
52 HRDW,HEAT,ELECT	0.00101727	0.00063653	0.00117244	0.00062770	0.00116232	0.00286541	0.00096161	0.00092023
53 DEPART,VAR STORE	0.01651309	0.01030598	0.01909280	0.01043082	0.01839830	0.01418917	0.01121662	0.01473377
54 FOOD STORES	0.02584618	0.01612999	0.02990376	0.01632344	0.02879347	0.02220632	0.01756114	0.02308316
55 AUTO DEAL REP SH	0.02898645	0.01592603	0.02968850	0.02131950	0.02749696	0.02119922	0.01692868	0.02222538
56 GAS SER STATIONS	0.00341719	0.00213502	0.00408116	0.00316402	0.00414288	0.00366394	0.00242335	0.00283329
57 APPAREL ACES STO	0.00432856	0.00270187	0.00500442	0.00273397	0.00482229	0.00371905	0.00294114	0.00384595

58 FURNITURE HOME	0.00219339	0.00136980	0.00253605	0.00138539	0.00244358	0.00188452	0.00148994	0.00197857
59 EATING DRNK PLAC	0.01001503	0.00619380	0.01165240	0.00626049	0.01105060	0.00848409	0.00703453	0.00884008
60 ALL OTHER RETAIL	0.01073897	0.00673358	0.01248069	0.00721522	0.01192005	0.00941264	0.00751883	0.00988524
61 BANK CREDIT AGEN	0.02072484	0.01246961	0.02407277	0.01282006	0.03052754	0.01681903	0.01383343	0.01743738
62 INS REAL EST FIN	0.01441350	0.00639381	0.01295849	0.00726847	0.01369683	0.00612677	0.00571176	0.00677454
63 LODGING SERVICES	0.00024012	0.00010908	0.00067775	0.00007230	0.00013609	0.00008880	0.00032752	0.00012336
64 PERSONAL SERVICE	0.00955612	0.00599864	0.01111888	0.00622065	0.01477250	0.00811553	0.00661716	0.00851893
65 ADV DUP ADD PHOT	0.01471124	0.01013088	0.01103590	0.00588165	0.01731983	0.00492893	0.00590031	0.00586233
66 MOTION PIC AMUSE	0.00210225	0.00126385	0.00238974	0.00128502	0.00250627	0.00172816	0.00148013	0.00180118
67 AUTO RENT PARK	0.00211318	0.00023596	0.00130843	0.00020089	0.00037406	0.00025396	0.00064934	0.00464607
68 MISCELL REP SERV	0.00391104	0.00279626	0.01197491	0.00202604	0.00561113	0.00264012	0.00257627	0.00291556
69 MEDICAL DENT SER	0.01907003	0.01191043	0.02204066	0.01204184	0.02135064	0.01653051	0.01295251	0.01705886
70 EDUCATION	0.04298695	0.02679419	0.04963566	0.02712087	0.04782776	0.03688346	0.02916197	0.03836907
71 PROFESSIONAL SER	0.01616709	0.00957044	0.02102951	0.01518486	0.01902625	0.01273375	0.01297684	0.01752575
72 HOUSEHOLDS	0.50042976	0.31232313	0.57860765	0.31610611	0.55756101	0.43000337	0.33991335	0.44699008
TOTAL	2.31003730	2.14134135	2.58617172	1.76080941	2.14103893	1.78479282	1.67181586	1.86540878



INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	33	34	35	36	37	38	39	40
1 IRR COTTON	0.00014404	0.00013114	0.00018545	0.00026888	0.00014451	0.00019302	0.00010399	0.00014866
2 IRRIGATED GRAINS	0.00002523	0.00002296	0.00003308	0.00004807	0.00002589	0.00002907	0.00001863	0.00002663
3 VEG,CIT,OTH IRR	0.00191571	0.00172459	0.00250862	0.00364750	0.00196613	0.00205683	0.00141415	0.00202281
4 DRYLAND COTTON	0.00001253	0.00001162	0.00001651	0.00002394	0.00001287	0.00001720	0.00000926	0.00001323
5 DRYLAND FEED GRN	0.00055021	0.00050273	0.00072047	0.00104776	0.00056470	0.00061403	0.00040621	0.00058078
6 OTHER DRYLAND CR	0.00125403	0.01353264	0.00153320	0.00222944	0.00120256	0.00127632	0.00086874	0.00123680
7 RANGE,FEEDLOT LV	0.00403902	0.00362319	0.00528363	0.00768711	0.00414448	0.00432377	0.00298095	0.00426236
8 DAIRY,POULTRY,EG	0.00352553	0.00317904	0.00461213	0.00671111	0.00361904	0.00377179	0.00260304	0.00372150
9 AG SUPPLY	0.00006909	0.00024436	0.00008881	0.00012914	0.00006962	0.00007400	0.00005013	0.00007161
10 GINNING	0.00002746	0.00002490	0.00003559	0.00005166	0.00002780	0.00003456	0.00002000	0.00002859
11 AG SERVICES	0.00042788	0.00095160	0.00055471	0.00080684	0.00043499	0.00046033	0.00031305	0.00044738
12 FISHERIES	0.00087151	0.00078136	0.00114200	0.00166112	0.00089486	0.00093271	0.00064363	0.00092029
13 CR PET,NAT GAS,S	0.01215756	0.06303790	0.03565153	0.04326092	0.06825716	0.70671572	0.01083341	0.69191105
14 RES CON,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00001281	0.00138234	0.00000170	0.00000247	0.00000132	0.00002462	0.00000131	0.00000369
16 FAC,OTH CONST	0.00128477	0.00810187	0.01394580	0.00749664	0.00193025	0.02090858	0.00137684	0.00371570
17 MEAT PRODUCTS	0.00512172	0.00459080	0.00669930	0.00975034	0.00525751	0.00547869	0.00378152	0.00540652
18 DAIRY MANUFACT	0.00489096	0.00437832	0.00639897	0.00931327	0.00502086	0.00523139	0.00361130	0.00516300
19 CAN,PRE,P,D,FROZ	0.00105515	0.00095035	0.00138849	0.00201875	0.00108394	0.00113092	0.00077964	0.00111519
20 OTH FOOD,KIN PRO	0.00410899	0.00380861	0.00541301	0.00784816	0.00421800	0.00563758	0.00303523	0.00433766
21 BEVERAGES	0.00370089	0.00340824	0.00506463	0.00724042	0.00382872	0.00398601	0.00275655	0.00392768
22 TEXTILE MILL PRO	0.00241583	0.00061219	0.00022797	0.00032835	0.00017230	0.00019553	0.00012720	0.00021766
23 WOOD,PAPER PROD	0.00119356	0.00587853	0.00184274	0.00213813	0.00094673	0.00164892	0.00069305	0.00104358
24 NEWS,PUBS,PRINT	0.00378446	0.00339863	0.00636129	0.00752269	0.00394155	0.00507698	0.01329375	0.00378950
25 CHEM,DRUG,REL PR	0.00205438	0.00948484	0.00301617	0.00410015	0.00459723	0.00342753	0.00129753	0.00306189
26 PETRO,REF,PROD	0.00885584	0.00979923	0.03240830	0.05730158	0.12272001	0.02422817	0.00758324	0.01717762
27 CLAY,CUT ST,SHEL	0.00003443	0.00007647	0.00007669	0.00006971	0.00001982	0.00039730	0.00001615	0.00002779
28 CEM,CONC PRODUCT	0.00013567	0.00103436	0.00078453	0.00050438	0.00015479	0.00110248	0.00012318	0.00024433
29 PRI MET,FOUND,FG	0.00053568	0.00105170	0.00069368	0.00527362	0.00055150	0.00247926	0.00039093	0.00062225
30 FAB ST,OTH MET	0.00404201	0.00153591	0.00046227	0.00040352	0.00018074	0.00107828	0.00021438	0.00026341
31 MACH,PROC EQUIP	0.00121309	0.00229493	0.00031595	0.00048014	0.00026614	0.00842808	0.00016581	0.00117473
32 ELEC,ELECT EQUIP	0.00161970	0.00027669	0.00019079	0.00022147	0.00009241	0.00203890	0.00150478	0.00020269
33 TRANSPORTN EQUIP	1.00021480	0.00039281	0.00053858	0.00049738	0.00022154	0.00099695	0.00025827	0.00026735
34 OTHER MANUFACT	0.00694889	1.00371533	0.00050737	0.00069567	0.00035493	0.00189327	0.00056876	0.00036090
35 HWY MOT FR,WRHSG	0.00474811	0.00528154	1.00578035	0.00696282	0.00425896	0.00636519	0.00363010	0.00596481
36 WATER TRANSPORTN	0.00037198	0.00174248	0.00104202	1.25677481	0.00216678	0.01826646	0.00032037	0.01776491
37 AIR TRANSPORTN	0.00220365	0.00206278	0.00321169	0.00422943	1.10935175	0.00361313	0.00242807	0.00309414
38 OTH TRANSPORTN S	0.00595007	0.07683262	0.00775805	0.01373308	0.00594922	1.01852142	0.00573437	0.00634229
39 COMMUNICATIONS	0.01348456	0.01804237	0.07542604	0.02616629	0.01627219	0.01492448	1.01212072	0.01524516
40 GAS SERVICES	0.00546929	0.00852412	0.02139003	0.00831963	0.00543561	0.00903556	0.00471175	1.01626582
41 ELECTRIC SERVICE	0.01510776	0.02742611	0.03569047	0.02313751	0.01160580	0.01886800	0.01530736	0.01324463
42 WATER,SANI SERVC	0.00373490	0.00355068	0.00521758	0.00577563	0.00290926	0.00336045	0.00307868	0.00307127
43 WHLSE AUTO,PT,SU	0.00241763	0.00228180	0.03631218	0.04856740	0.00245972	0.00392538	0.00174459	0.00313546
44 WHLSE GROC REL	0.00405698	0.00363492	0.00531389	0.00772621	0.00416552	0.00434607	0.00299599	0.00428371
45 WHLSE FARM PRO	0.00033771	0.00037825	0.00044122	0.00064186	0.00034606	0.00036138	0.00024894	0.00035589
46 WHLSE LIVESTOCK	0.00013667	0.00012265	0.00017878	0.00026012	0.00014026	0.00014627	0.00010088	0.00014424
47 WHLSE MAC	0.02720927	0.00728259	0.00510948	0.00887455	0.00410409	0.00552746	0.00285376	0.00538220
48 WHLSE PETRO,PROD	0.00220297	0.00224070	0.01577657	0.00441542	0.00998995	0.00454984	0.00163814	0.00268295
49 GEN WHLSE	0.02421278	0.01915217	0.02497531	0.08037874	0.01675146	0.02085123	0.01212385	0.01834244
50 RETAIL LUMBERYDS	0.00565514	0.00524603	0.00596962	0.00948140	0.00467568	0.00491526	0.00347938	0.00483454
51 FARM EQUIP DEAL	0.00006785	0.00015177	0.00008797	0.00012793	0.00006896	0.00007408	0.00004963	0.00007093
52 HRDW,HEAT,ELECT	0.00093065	0.00094779	0.00120638	0.00261146	0.00093368	0.00100567	0.00083751	0.00098637
53 DEPART,VAR STORE	0.01521080	0.01361229	0.01989322	0.02894344	0.01561468	0.01626879	0.01123103	0.01605618
54 FOOD STORES	0.02380317	0.02130606	0.03114514	0.04530498	0.02443700	0.02546250	0.01757635	0.02512927
55 AUTO DEAL REP SH	0.02290742	0.02124423	0.02988764	0.04312972	0.02324793	0.02515287	0.01671134	0.02518244
56 GAS SER STATIONS	0.00354763	0.00277916	0.00427365	0.00543824	0.00313749	0.00330040	0.00213209	0.00326446
57 APPAREL ACES STO	0.00398678	0.00356794	0.00521410	0.00763619	0.00409272	0.00426480	0.00294365	0.00420965



58 FURNITURE HOME	0.00202017	0.00180796	0.00264209	0.00384405	0.00207390	0.00216215	0.00149161	0.00213384
59 EATING DRNK PLAC	0.00911945	0.00819870	0.01239532	0.01770639	0.00941034	0.00979719	0.00676111	0.00965754
60 ALL OTHER RETAIL	0.00987010	0.00883411	0.01290080	0.01876633	0.01012049	0.01057808	0.00727995	0.01042856
61 BANK CREDIT AGEN	0.01932085	0.01694309	0.02816548	0.04670819	0.01887760	0.02032638	0.01469551	0.02194846
62 INS REAL EST FIN	0.00651830	0.00749765	0.06029187	0.05849212	0.01395364	0.01308729	0.01042764	0.01196952
63 LODGING SERVICES	0.00009181	0.00020957	0.00053349	0.00050263	0.00014280	0.00018460	0.00010218	0.00017014
64 PERSONAL SERVICE	0.00951732	0.00986440	0.01136674	0.01656134	0.00892530	0.01042462	0.00641556	0.00931487
65 ADV DUP ADD PHOT	0.04092624	0.00557581	0.03843281	0.01247939	0.02289175	0.01223697	0.00956855	0.01005424
66 MOTION PIC AMUSE	0.00189338	0.00187996	0.00257137	0.00390335	0.00191280	0.00201370	0.00153079	0.00204411
67 AUTO RENT PARK	0.00034104	0.00027686	0.00043636	0.00055830	0.00031188	0.00045850	0.00027939	0.00030005
68 MISCELL REP SERV	0.00346260	0.00363708	0.00400698	0.00627119	0.00299511	0.00420960	0.00226949	0.00629160
69 MEDICAL DENT SER	0.01755272	0.01571306	0.02304735	0.03349332	0.01803262	0.01878456	0.01296964	0.01853687
70 EDUCATION	0.03954429	0.03540886	0.05174171	0.07548592	0.04058778	0.04229314	0.02919518	0.04174334
71 PROFESSIONAL SER	0.01805833	0.01317074	0.04470790	0.04440352	0.01253141	0.01494378	0.01010704	0.01752611
72 HOUSEHOLDS	0.46096384	0.41252093	0.60286453	0.87713212	0.47320359	0.49302562	0.34035366	0.48658308
TOTAL	1.90519770	1.94288997	2.37611014	3.04572530	2.14501970	2.68352165	1.63929046	2.60127102

INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	41	42	43	44	45	46	47	48
1 IRR COTTON	0.00008997	0.00016720	0.00016794	0.00015358	0.00020411	0.00022492	0.00022975	0.00018624
2 IRRIGATED GRAINS	0.00001605	0.00002976	0.00003011	0.00002701	0.00003648	0.00004024	0.00004118	0.00003328
3 VEG,CIT,OTH IRR	0.00121751	0.00225829	0.00228626	0.00215846	0.00276284	0.00305582	0.00312708	0.00252482
4 DRYLAND COTTON	0.00000799	0.00001481	0.00001495	0.00001368	0.00001817	0.00002003	0.00002046	0.00001658
5 DRYLAND FEED GRN	0.00034985	0.00064888	0.00065678	0.00053194	0.00079785	0.00087699	0.00089832	0.00072585
6 OTHER DRYLAND CR	0.00074484	0.00138927	0.00141210	0.00111271	0.00172174	0.00186671	0.00189164	0.00154476
7 RANGE,FEEDLOT LV	0.00256619	0.00476045	0.00482018	0.00383812	0.00582047	0.00643582	0.00659307	0.00532322
8 DAIRY,POULTRY,EG	0.00224076	0.00415705	0.00420936	0.00332346	0.00507813	0.00561780	0.00575763	0.00464923
9 AG SUPPLY	0.00004312	0.00008010	0.00008116	0.00007006	0.00009836	0.00010815	0.00011080	0.00008943
10 GINNING	0.00001727	0.00003208	0.00003231	0.00002827	0.00003928	0.00004322	0.00004420	0.00003579
11 AG SERVICES	0.00026941	0.00050014	0.00050651	0.00041476	0.00061266	0.00067551	0.00069215	0.00055883
12 FISHERIES	0.00055406	0.00102765	0.00104054	0.00168161	0.00125516	0.00139105	0.00142330	0.00114952
13 CR PET,NAT GAS,S	0.10224502	0.02387461	0.01397995	0.01251185	0.05051569	0.01914717	0.01928570	0.05013198
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00000124	0.00000353	0.00000280	0.00000132	0.00000225	0.00000197	0.00000269	0.00000158
16 FAC,OTH CONST	0.00343174	0.05764864	0.00143117	0.00121986	0.00276072	0.03056348	0.00222403	0.00160086
17 MEAT PRODUCTS	0.00325531	0.00603944	0.00611531	0.00482671	0.00738623	0.00815996	0.00836480	0.00675382
18 DAIRY MANUFACT	0.00310873	0.00576709	0.00583981	0.00460607	0.00704367	0.00779411	0.00798821	0.00645131
19 CAN,PRE,P,D,FROZ	0.00067120	0.00124415	0.00125954	0.00466723	0.00152246	0.00169132	0.00172312	0.00139287
20 OTH FOOD,KIN PRO	0.00262029	0.00485613	0.00490203	0.00484099	0.00595677	0.00656501	0.00670629	0.00543611
21 BEVERAGES	0.00237163	0.00437946	0.00442908	0.00348887	0.00539598	0.00617757	0.00605014	0.00488102
22 TEXTILE MILL PRO	0.00024507	0.00077248	0.00019987	0.00017842	0.00026770	0.00027720	0.00027495	0.00022201
23 WOOD,PAPER PROD	0.00067029	0.00271584	0.00098702	0.00081093	0.00136479	0.00175063	0.00139808	0.00108846
24 NEWS,PUBS,PRINT	0.00389616	0.00449396	0.00447629	0.00428348	0.00539077	0.00725809	0.00631295	0.00473141
25 CHEM,DRUG,REL PR	0.00130587	0.01364164	0.00197252	0.00169199	0.00247345	0.00319343	0.00269987	0.00218333
26 PETRO,REF,PROD	0.00834501	0.01524840	0.01125095	0.00839219	0.01391620	0.01445824	0.01485064	0.01198026
27 CLAY,CUT ST,SHEL	0.00003000	0.00230766	0.00002064	0.00001933	0.00003861	0.00015027	0.00003136	0.00002134
28 CEM,CONC PRODUCT	0.00029155	0.01778095	0.00015251	0.00014173	0.00023156	0.00162639	0.00023362	0.00015759
29 PRI MET,FOUND,FG	0.00036487	0.00081293	0.00062196	0.00049270	0.00080870	0.00084625	0.00085215	0.00069004
30 FAB ST,OTH MET	0.00017733	0.00149574	0.00018625	0.00017780	0.00039960	0.00082522	0.00026160	0.00020700
31 MACH,PROC EQUIP	0.00032086	0.00073714	0.00023289	0.00020015	0.00049749	0.00038284	0.00047762	0.00030469
32 ELEC,ELECT EQUIP	0.00011531	0.00078242	0.00012269	0.00010938	0.00048565	0.00014344	0.00018926	0.00033986
33 TRANSPORTN EQUIP	0.00019614	0.00147355	0.00024168	0.00370525	0.00032159	0.00094615	0.00083172	0.00026575
34 OTHER MANUFACT	0.00023318	0.00106299	0.00148289	0.00047334	0.00055394	0.00054929	0.00089217	0.00044293
35 HWY MOT FR,WRHSG	0.00392279	0.00502074	0.00496427	0.00404947	0.03375512	0.00728227	0.00555580	0.00442331
36 WATER TRANSPORTN	0.00265356	0.00076927	0.00041246	0.00036342	0.00136170	0.00056705	0.00056894	0.00134071
37 AIR TRANSPORTN	0.00142175	0.00238945	0.00946767	0.00192316	0.00309992	0.00354136	0.00743765	0.00262861
38 OTH TRANSPORTN S	0.01059811	0.00867775	0.00643359	0.00548883	0.02768596	0.00888364	0.00918537	0.00711879
39 COMMUNICATIONS	0.01383835	0.01641420	0.04044939	0.02719527	0.03317609	0.03279046	0.05767395	0.02826682
40 GAS SERVICES	0.13604942	0.01447961	0.00595486	0.00684198	0.03710975	0.00873786	0.00839643	0.05881495
41 ELECTRIC SERVICE	1.00723959	0.08246592	0.01697552	0.02360877	0.08511699	0.02803158	0.02586244	0.01877583
42 WATER,SANI SERVC	0.00484258	1.09501438	0.00444451	0.00474494	0.00493221	0.00639371	0.00698582	0.00408759
43 WHLSE AUTO,PT,SU	0.00170385	0.00281722	1.00287749	0.00222570	0.00442848	0.00378548	0.00581838	0.00307764
44 WHLSE GROC REL	0.00257913	0.00478498	0.00484397	1.00386601	0.00585990	0.00647300	0.00662502	0.00534899
45 WHLSE FARM PRO	0.00021429	0.00039793	0.00040256	0.00032028	1.00107643	0.00053731	0.00055055	0.00044453
46 WHLSE LIVESTOCK	0.00008685	0.00016111	0.00016313	0.00012951	0.00019689	1.00021777	0.00022313	0.00018016
47 WHLSE MAC	0.00289747	0.01999323	0.00468416	0.00572595	0.00666086	0.00617651	1.00632249	0.00509924
48 WHLSE PETRO,PROD	0.00157879	0.00399337	0.00266490	0.00208718	0.00357721	0.00350416	0.00359316	1.00289106
49 GEN WHLSE	0.01098562	0.02304771	0.01927494	0.01540071	0.02651230	0.03299912	0.02653919	0.02135222
50 RETAIL LUMBERYDS	0.00292863	0.00541399	0.00543679	0.00429113	0.00655427	0.00727117	0.00743622	0.00600211
51 FARM EQUIP DEAL	0.00004272	0.00007930	0.00008030	0.00006679	0.00009730	0.00010711	0.00010972	0.00008861
52 HRDW,HEAT,ELECT	0.00069458	0.00108866	0.00108714	0.00086143	0.00132276	0.00146240	0.00148791	0.00119916
53 DEPART,VAR STDR	0.00966768	0.01793598	0.01816231	0.01432375	0.02189071	0.02423139	0.02484202	0.02005683
54 FOOD STORES	0.01512998	0.02806797	0.02842174	0.02243679	0.03426004	0.03793773	0.03887417	0.03138571
55 AUTO DEAL REP SH	0.01959838	0.02794958	0.02695145	0.02135005	0.03316210	0.03650408	0.03689847	0.02984802
56 GAS SER STATIONS	0.00194074	0.00334372	0.00361445	0.00340091	0.00477607	0.00943922	0.00455131	0.00401336
57 APPAREL ACES STO	0.00253401	0.00470107	0.00476038	0.00375429	0.00573764	0.00635112	0.00651114	0.00525697

58 FURNITURE HOME	0.00128416	0.00238211	0.00241213	0.00190233	0.00290738	0.00321820	0.00329926	0.00266382
59 EATING DRNK PLAC	0.00582054	0.01074722	0.01087289	0.00862335	0.01323135	0.01510399	0.01487443	0.01269609
60 ALL OTHER RETAIL	0.00626865	0.01165573	0.01176434	0.00933838	0.01425943	0.01571962	0.01625301	0.01299353
61 BANK CREDIT AGEN	0.01665244	0.02287958	0.03580687	0.02079048	0.02851256	0.08242553	0.09409570	0.03877211
62 INS REAL EST FIN	0.00877597	0.01168079	0.01054550	0.00680024	0.01155296	0.07541454	0.01279478	0.00878116
63 LODGING SERVICES	0.00008809	0.00011160	0.00010147	0.00007600	0.00015779	0.00067046	0.00012574	0.00008950
64 PERSONAL SERVICE	0.00554876	0.01026559	0.01037315	0.00829305	0.01267813	0.01385396	0.01419431	0.01146084
65 ADV DUP ADD PHOT	0.00511573	0.00677675	0.00944499	0.01638032	0.00919636	0.05598515	0.01412327	0.00787096
66 MOTION PIC AMUSE	0.00133621	0.00223357	0.00264974	0.00186238	0.00274752	0.00459270	0.00500266	0.00290058
67 AUTO RENT PARK	0.00021332	0.00033886	0.00031910	0.00032082	0.00059896	0.00053648	0.00043949	0.00085417
68 MISCELL REP SERV	0.00350563	0.00341442	0.00594726	0.01230003	0.22655167	0.00467234	0.00554651	0.00735384
69 MEDICAL DENT SER	0.01116401	0.02070410	0.02096275	0.01652963	0.02526404	0.02807653	0.02866950	0.02314432
70 EDUCATION	0.02513456	0.04662293	0.04721164	0.03724304	0.05696129	0.06300925	0.06460620	0.05214146
71 PROFESSIONAL SER	0.01191582	0.01540834	0.01663503	0.02136084	0.07078799	0.04063299	0.05012881	0.02278582
72 HOUSEHOLDS	0.29297909	0.54355059	0.55040940	0.43408173	0.66339890	0.73433300	0.75283823	0.60782320
TOTAL	1.79096569	2.25998375	2.02315028	1.84019527	2.64693609	2.54433453	2.47154702	2.19015439

INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE ,TEXAS, 1967

	49	50	51	52	53	54	55	56
1 IRR COTTON	0.00012978	0.00004416	0.00008589	0.00028991	0.00020072	0.00008703	0.00022080	0.00025179
2 IRRIGATED GRAINS	0.00002321	0.00000791	0.00001540	0.00005196	0.00003594	0.00001552	0.00003956	0.00004513
3 VEG,CIT,OTH IRR	0.00176273	0.00060092	0.00116915	0.00394575	0.00272857	0.00117667	0.00300430	0.00342751
4 DRYLAND COTTON	0.00001154	0.00000393	0.00000765	0.00002581	0.00001787	0.00000775	0.00001966	0.00002242
5 DRYLAND FEED GRN	0.00050638	0.00017265	0.00033600	0.00113358	0.00078368	0.00033847	0.00086287	0.00098466
6 OTHER DRYLAND CR	0.00107868	0.00036761	0.00071644	0.00241337	0.00166873	0.00072080	0.00183743	0.00209631
7 RANGE,FEEDLOT LV	0.00371636	0.00126705	0.00246493	0.00831992	0.00575054	0.00248063	0.00633238	0.00722710
8 DAIRY,POULTRY,EG	0.00324478	0.00110653	0.00215246	0.00726585	0.00502107	0.00216611	0.00552928	0.00631150
9 AG SUPPLY	0.00006243	0.00002128	0.00004142	0.00013973	0.00009661	0.00004170	0.00010638	0.00012137
10 GINNING	0.00002495	0.00000850	0.00001653	0.00005577	0.00003859	0.00001671	0.00004247	0.00004844
11 AG SERVICES	0.00039007	0.00013298	0.00025876	0.00087317	0.00060360	0.00026048	0.00066463	0.00075847
12 FISHERIES	0.00080229	0.00027350	0.00053203	0.00179607	0.00124192	0.00053546	0.00136742	0.00156011
13 CR PET,NAT GAS,S	0.01343590	0.00350778	0.00740087	0.02579584	0.01686022	0.00911568	0.01860929	0.02355558
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00000106	0.00000035	0.00000069	0.00000230	0.00000160	0.00000070	0.00000175	0.00000198
16 FAC,OTH CONST	0.00141284	0.00033437	0.00071835	0.00280627	0.00201281	0.00087572	0.00230262	0.00218425
17 MEAT PRODUCTS	0.00471399	0.00160757	0.00312739	0.01055610	0.00729410	0.00314716	0.00803266	0.00916950
18 DAIRY MANUFACT	0.00450170	0.00153513	0.00298613	0.01008093	0.00696598	0.00300508	0.00767115	0.00875666
19 CAN,PRE,P,D,FROZ	0.00097181	0.00033098	0.00064392	0.00217429	0.00150580	0.00064829	0.00165717	0.00188832
20 OTH FOOD,KIN PRO	0.00378159	0.00128894	0.00250696	0.00846217	0.00585837	0.00254013	0.00644476	0.00734934
21 BEVERAGES	0.00343340	0.00116089	0.00226080	0.00762345	0.00535300	0.00228274	0.00588700	0.00662028
22 TEXTILE MILL PRO	0.00031101	0.00005526	0.00010339	0.00035022	0.00024981	0.00010818	0.00026558	0.00030342
23 WOOD,PAPER PROD	0.00087513	0.00037065	0.00051025	0.00177229	0.00174656	0.00062412	0.00134828	0.00147244
24 NEWS,PUBS,PRINT	0.00393969	0.00863089	0.00326824	0.02163239	0.05018044	0.01018705	0.01600848	0.00666724
25 CHEM,DRUG,REL PR	0.00160535	0.00049952	0.00101228	0.00333606	0.00251994	0.00101400	0.00259750	0.00286242
26 PETRO,REF,PROD	0.00817984	0.00275228	0.00539575	0.01834948	0.01264517	0.00544923	0.01395327	0.01578855
27 CLAY,CUT ST,SHEL	0.00002357	0.00000495	0.00001198	0.00004345	0.00002473	0.00001587	0.00003136	0.00003188
28 CHEM,CONC PRODUCT	0.00017759	0.00003576	0.00008657	0.00032509	0.00018455	0.00011784	0.00023701	0.00023665
29 PRI MET,FOUND,FG	0.00048111	0.00016327	0.00031889	0.00107419	0.00074299	0.00032149	0.00081728	0.00093250
30 FAB ST,OTH MET	0.00015478	0.00010430	0.00010693	0.00042913	0.00057006	0.00016292	0.00038439	0.00027476
31 MACH,PROC EQUIP	0.00018726	0.00006083	0.00012104	0.00040868	0.00028282	0.00012591	0.00030816	0.00053311
32 ELEC,ELECT EQUIP	0.00009874	0.00002912	0.00009260	0.00014643	0.00012956	0.00005866	0.00015285	0.00011754
33 TRANSPORTN EQUIP	0.00019291	0.00006206	0.00012466	0.00042046	0.00029364	0.00012651	0.00032600	0.00035921
34 OTHER MANUFACT	0.00032777	0.00010653	0.00021280	0.00069515	0.00048645	0.00020874	0.00053351	0.00059650
35 HWY MOT FR,WRHSG	0.00365650	0.00103636	0.00207594	0.01646034	0.00908646	0.00204544	0.01183536	0.00560520
36 WATER TRANSPORTN	0.00038534	0.00010792	0.00021689	0.00075919	0.00052294	0.00026515	0.00055175	0.00068063
37 AIR TRANSPORTN	0.00187231	0.00060624	0.00121559	0.00411332	0.00296923	0.00120153	0.00317026	0.00352710
38 OTH TRANSPORTN S	0.00532728	0.00170019	0.00344916	0.01184590	0.00797875	0.00357458	0.00865014	0.01010513
39 COMMUNICATIONS	0.02763570	0.00479673	0.03368069	0.02653353	0.03047348	0.00913217	0.04504380	0.01783465
40 GAS SERVICES	0.00855321	0.00145885	0.00352328	0.01281561	0.00762593	0.00592353	0.00859495	0.01315177
41 ELECTRIC SERVICE	0.02375408	0.00406572	0.01082589	0.03917696	0.02835666	0.02160367	0.02563851	0.05925094
42 WATER,SANI SERV	0.00671043	0.00101471	0.00296801	0.01103948	0.00440824	0.00465281	0.00704530	0.00706848
43 WHLSE AUTO,PT,SU	0.00215790	0.00072231	0.00140645	0.00515892	0.00343856	0.00141949	0.00385260	0.00416819
44 WHLSE GROC REL	0.00373469	0.00127320	0.00247739	0.00835972	0.00578064	0.00249326	0.00636496	0.00726181
45 WHLSE FARM PRO	0.00031029	0.00010583	0.00020582	0.00069473	0.00048024	0.00020715	0.00052871	0.00060346
46 WHLSE LIVESTOCK	0.00012577	0.00004288	0.00008342	0.00028158	0.00019461	0.00008395	0.00021430	0.00024460
47 WHLSE MAC	0.00359101	0.00120475	0.00238374	0.00792149	0.00552922	0.00243061	0.00603984	0.00683535
48 WHLSE PETRO,PROD	0.00202151	0.00068372	0.00133313	0.00462349	0.00316264	0.00134516	0.00350662	0.00390337
49 GEN WHLSE	1.01910537	0.00507998	0.00993607	0.03345506	0.02332215	0.01004312	0.02548343	0.02890940
50 RETAIL LUMBERYDS	0.00419022	1.00142839	0.00278099	0.00937769	0.00648244	0.00279635	0.00713885	0.00814603
51 FARM EQUIP DEAL	0.00006184	0.00002108	1.00004103	0.00013842	0.00009570	0.00004131	0.00010537	0.00012024
52 HRDW,HEAT,ELECT	0.00266545	0.00058487	0.00055841	1.00187079	0.00129580	0.00055930	0.00142739	0.00162663
53 DEPART,VAR STORE	0.01399947	0.00477452	0.00928697	0.03134926	1.02166189	0.00934560	0.02385517	0.02723237
54 FOOD STORES	0.02190884	0.00747117	0.01453269	0.04905592	0.03390350	1.01462479	0.03733482	0.04261376
55 AUTO DEAL REP SH	0.02086912	0.00708446	0.01380103	0.04660418	0.03230352	0.01394883	1.03544049	0.04059108
56 GAS SER STATIONS	0.00480364	0.00112028	0.00631492	0.00562705	0.00449474	0.00195313	0.00578108	1.00484880
57 APPAREL ACES STO	0.00366930	0.00125140	0.00243413	0.00821668	0.00567753	0.00244949	0.00625247	0.00713166

58 FURNITURE HOME	0.00185927	0.00063409	0.00123340	0.00416347	0.00287686	0.00124118	0.00316820	0.00361672
59 EATING DRNK PLAC	0.00842967	0.00285003	0.00555078	0.01874901	0.01318843	0.00560006	0.01443026	0.01627372
60 ALL OTHER RETAIL	0.00907065	0.00309551	0.00601765	0.02031817	0.01405343	0.00605895	0.01545864	0.01764165
61 BANK CREDIT AGEN	0.02757728	0.00554969	0.01086143	0.03655512	0.04051165	0.01279927	0.03427438	0.03182792
62 INS REAL EST FIN	0.01243860	0.00198014	0.00402356	0.01355920	0.02833343	0.00581101	0.02959987	0.01139552
63 LODGING SERVICES	0.00011840	0.00001945	0.00004261	0.00013140	0.00029477	0.00005551	0.00026423	0.00011039
64 PERSONAL SERVICE	0.00818723	0.00272584	0.00530690	0.01789487	0.01237375	0.00534138	0.01362168	0.01554377
65 ADV DUP ADD PHOT	0.01310593	0.00144270	0.00542572	0.00989125	0.02971921	0.00294274	0.01434088	0.00812612
66 MOTION PIC AMUSE	0.00204170	0.00057789	0.00112903	0.00380007	0.00309180	0.00119029	0.00309065	0.00330180
67 AUTO RENT PARK	0.00063897	0.00012967	0.00017740	0.00062681	0.00230081	0.00021861	0.00049488	0.00046417
68 MISCELL REP SERV	0.00614861	0.00120243	0.01035933	0.00574121	0.00747785	0.00968307	0.00914933	0.00496877
69 MEDICAL DENT SER	0.01616569	0.00550923	0.01071648	0.03617461	0.02502949	0.01078721	0.02756124	0.03142346
70 EDUCATION	0.03639817	0.01241178	0.02413958	0.08154791	0.05631518	0.02429493	0.06202281	0.07082104
71 PROFESSIONAL SER	0.01937020	0.00436697	0.00734772	0.07827227	0.02159373	0.00934503	0.03229843	0.05349964
72 HOUSEHOLDS	0.42425451	0.14469005	0.28144160	0.95003673	0.65645199	0.28321666	0.72292903	0.82527798
TOTAL	1.82747441	1.26116948	1.53811195	2.75573666	2.28695371	1.53870966	2.36415792	2.50813427



INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE , TEXAS, 1967

	57	58	59	60	61	62	63	64
1 IRR COTTON	0.00016803	0.00027317	0.00125240	0.00017360	0.00015536	0.00019425	0.00026007	0.00015202
2 IRRIGATED GRAINS	0.00003007	0.00004892	0.00007926	0.00003109	0.00002780	0.00003394	0.00009828	0.00002710
3 VEG,CIT,OTH IRR	0.00228233	0.00371505	0.00182729	0.00235997	0.00211008	0.00257698	0.01175535	0.00197771
4 DRYLAND COTTON	0.00001496	0.00002432	0.00011183	0.00001546	0.00001383	0.00001730	0.00002317	0.00001347
5 DRYLAND FEED GRN	0.00065543	0.00106698	0.00130149	0.00067805	0.00060628	0.00072651	0.00102179	0.00062749
6 OTHER DRYLAND CR	0.00139560	0.00227138	0.00127017	0.00144376	0.00129064	0.00152710	0.00149490	0.00122367
7 RANGE,FEEDLOT LV	0.00480849	0.00783069	0.00409352	0.00497503	0.00444875	0.00532411	0.01170438	0.00661216
8 DAIRY,POULTRY,EG	0.00419783	0.00683772	0.00434503	0.00434438	0.00388436	0.00461096	0.00565528	0.00364291
9 AG SUPPLY	0.00008081	0.00013154	0.00009594	0.00008358	0.00007473	0.00009006	0.00024854	0.00007528
10 GINNING	0.00003230	0.00005253	0.00017279	0.00003338	0.00002987	0.00003669	0.00004377	0.00002883
11 AG SERVICES	0.00050475	0.00082186	0.00060921	0.00052219	0.00046692	0.00055901	0.00111249	0.00051955
12 FISHERIES	0.00103881	0.00169094	0.00095895	0.00107417	0.00096041	0.00117583	0.00029670	0.00089970
13 CR PET,NAT GAS,S	0.01990904	0.02591256	0.01287012	0.01760607	0.01278409	0.01780435	0.01947639	0.01901777
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00000145	0.00000219	0.00000252	0.00000144	0.00000125	0.00000163	0.00000243	0.00000278
16 FAC,OTH CONST	0.00227236	0.00312777	0.00237728	0.00184687	0.00440091	0.02088380	0.04586316	0.00767260
17 MEAT PRODUCTS	0.00609806	0.00993319	0.00532135	0.00631141	0.00564304	0.00667346	0.00634894	0.00528775
18 DAIRY MANUFACT	0.00582389	0.00948623	0.00764947	0.00602759	0.00538904	0.00639761	0.00619057	0.00504938
19 CAN,PRE,P,D,FROZ	0.00126108	0.00204896	0.00169774	0.00130131	0.00116326	0.00153577	0.01963430	0.00108919
20 OTH FOOD,KIN PRO	0.00490441	0.00797157	0.03665835	0.00506705	0.00453489	0.00567045	0.00759611	0.00441676
21 BEVERAGES	0.00455483	0.00727667	0.00669628	0.00459942	0.00410593	0.00928885	0.00477216	0.00446516
22 TEXTILE MILL PRO	0.00020684	0.00037678	0.00030529	0.00021052	0.00018632	0.00023148	0.00029019	0.00067241
23 WOOD,PAPER PROD	0.00108042	0.00206924	0.00109215	0.00107604	0.00100139	0.00151117	0.00514295	0.00101983
24 NEWS,PUBS,PRINT	0.02197661	0.07207631	0.00652301	0.01293245	0.00849864	0.02121361	0.00617728	0.00631252
25 CHEM,DRUG,REL PR	0.00199775	0.00325807	0.00179130	0.00208268	0.00192897	0.00250987	0.00359958	0.00190439
26 PETRO,REF,PROD	0.01290272	0.01714790	0.00816279	0.01406383	0.00974978	0.01209505	0.01136628	0.00942198
27 CLAY,CUT ST,SHEL	0.00002612	0.00004919	0.00003453	0.00002683	0.00003164	0.00011420	0.00028527	0.00005641
28 CEM,CONC PRODUCT	0.00019671	0.00037487	0.00025593	0.00020234	0.00028832	0.00114244	0.00290148	0.00050010
29 PRI MET,FOUND,FG	0.00062959	0.00101178	0.00047428	0.00064345	0.00057575	0.00068956	0.00061635	0.00054473
30 FAB ST,OTH MET	0.00034057	0.00080931	0.00020663	0.00026378	0.00026458	0.00071061	0.00114299	0.00031575
31 MACH,PROC EQUIP	0.00027410	0.00038968	0.00030991	0.00026580	0.00022354	0.00031397	0.00051706	0.00032999
32 ELEC,ELECT EQUIP	0.00015050	0.00014968	0.00009725	0.00013468	0.00009587	0.00013293	0.00014560	0.00012433
33 TRANSPORTN EQUIP	0.00026202	0.00040628	0.00022525	0.00025613	0.00028915	0.00068860	0.00160063	0.00035032
34 OTHER MANUFACT	0.00041775	0.00065967	0.00033801	0.00041891	0.00037322	0.00045669	0.00060553	0.00129232
35 HWY MOT FR,WRHSG	0.00850989	0.00693203	0.00308761	0.00400028	0.00415475	0.00558273	0.00417256	0.00571571
36 WATER TRANSPORTN	0.00058048	0.00078839	0.00037542	0.00052028	0.00037923	0.00052799	0.00056988	0.00053733
37 AIR TRANSPORTN	0.02373195	0.00384047	0.00190442	0.00276677	0.00224180	0.00576583	0.00219977	0.00268415
38 OTH TRANSPORTN S	0.01084754	0.01072546	0.00586677	0.00705446	0.00616382	0.00766603	0.00675089	0.00598532
39 COMMUNICATIONS	0.04732884	0.02083347	0.01523512	0.02538678	0.02571105	0.03562566	0.01952258	0.03954322
40 GAS SERVICES	0.00914484	0.01501498	0.00715537	0.00867416	0.00554656	0.00976155	0.01362573	0.01530036
41 ELECTRIC SERVICE	0.03990571	0.04771949	0.02471819	0.02790158	0.01592696	0.02762830	0.06550268	0.03887730
42 WATER,SANI SERVC	0.00460356	0.01364331	0.00897181	0.00655214	0.00379276	0.00636548	0.04492282	0.00743028
43 WHLSE AUTO,PT,SU	0.00291781	0.00448527	0.00212368	0.00287121	0.00257021	0.00310475	0.00262803	0.00247705
44 WHLSE GROC REL	0.00483503	0.00787068	0.00380729	0.00499995	0.00447057	0.00543766	0.01905211	0.00419043
45 WHLSE FARM PRO	0.00040144	0.00065391	0.00040691	0.00041541	0.00037144	0.00044193	0.00064799	0.00038813
46 WHLSE LIVESTOCK	0.00016271	0.00026501	0.00014021	0.00016837	0.00015055	0.00017950	0.00032511	0.00019627
47 WHLSE MAC	0.00462130	0.00759219	0.00410734	0.00476834	0.00422636	0.00509762	0.00520807	0.00405337
48 WHLSE PETRO,PROD	0.00281660	0.00424695	0.00202549	0.00456613	0.00240863	0.00288118	0.00265050	0.00229795
49 GEN WHLSE	0.01956303	0.03170462	0.02094390	0.02009539	0.01972547	0.02485018	0.02082199	0.01838975
50 RETAIL LUMBERYDS	0.00542203	0.00882595	0.00409709	0.00560817	0.00501668	0.00593400	0.00516521	0.00472348
51 FARM EQUIP DEAL	0.00008003	0.00013029	0.00012601	0.00008279	0.00007403	0.00008889	0.00017772	0.00007622
52 HRDW,HEAT,ELECT	0.00108876	0.00176238	0.00084609	0.00112086	0.00100492	0.00119303	0.00113230	0.00095294
53 DEPART,VAR STORE	0.01810833	0.02950124	0.01366165	0.01874263	0.01675926	0.01977821	0.01694269	0.01570341
54 FOOD STORES	0.02834609	0.04617023	0.02139531	0.02933156	0.02622759	0.03124316	0.05908562	0.02457363
55 AUTO DEAL REP SH	0.02702693	0.04393289	0.02048881	0.02789027	0.02494328	0.02978639	0.02649420	0.03794263
56 GAS SER STATIONS	0.00376787	0.00550397	0.00296678	0.00338640	0.00328435	0.00519668	0.00324334	0.00334443
57 APPAREL ACES STO	1.00474621	0.00773220	0.00358079	0.00491247	0.00439263	0.00518430	0.00444080	0.00411591



58 FURNITURE HOME	0.00240497	1.00391799	0.00181443	0.00248920	0.00222579	0.00262739	0.00225016	0.00208558
59 EATING DRNK PLAC	0.01112448	0.01782528	1.00855362	0.01142530	0.01008635	0.02094369	0.01013885	0.00939783
60 ALL OTHER RETAIL	0.01174194	0.01913914	0.00885583	1.01303465	0.01091388	0.01285746	0.01269186	0.01017812
61 BANK CREDIT AGEN	0.04699700	0.09649533	0.02632056	0.05644969	1.04990908	0.10280726	0.02112271	0.01868998
62 INS REAL EST FIN	0.04176412	0.03587311	0.04915000	0.01717302	0.01411843	1.02908123	0.00919082	0.00743387
63 LODGING SERVICES	0.00035788	0.00032007	0.00041928	0.00015479	0.00013787	0.00847467	1.00009118	0.00008098
64 PERSONAL SERVICE	0.01035409	0.01685773	0.00817067	0.01071002	0.00977909	0.01134037	0.00991641	1.01015294
65 ADV DUP ADD PHOT	0.00749637	0.01636467	0.00600110	0.00678680	0.02020113	0.03421557	0.00608019	0.01546900
66 MOTION PIC AMUSE	0.00298806	0.00546821	0.00197341	0.00332821	0.03347333	0.00484809	0.00366507	0.00191766
67 AUTO RENT PARK	0.00044304	0.00094264	0.00045203	0.00038396	0.00034616	0.00076254	0.00037371	0.00031114
68 MISCELL REP SERV	0.01084231	0.00555689	0.01128316	0.00829602	0.00385268	0.00395126	0.00408871	0.00750776
69 MEDICAL DENT SER	0.02095577	0.03408271	0.01584124	0.02164368	0.01935110	0.02463308	0.01955408	0.01812172
70 EDUCATION	0.04708190	0.07669018	0.03552501	0.04874098	0.04357256	0.05145250	0.04404820	0.04082743
71 PROFESSIONAL SER	0.02415697	0.02448026	0.01951073	0.03470110	0.02203025	0.04726763	0.02056581	0.02004303
72 HOUSEHOLDS	0.54876878	0.89401826	0.41401597	0.56799398	0.50788868	0.59937502	0.51344831	0.47589164
TOTAL	2.15653092	2.75721085	1.88512640	2.10620106	2.00302793	2.32089766	2.18549865	1.96325433

INTERDEPENDENCE COEFFICIENTS (INCLUDING HOUSEHOLDS) : LOWER RIO GRANDE, TEXAS, 1967

	65	66	67	68	69	70	71	HOUSEHOLDS
1 IRR COTTON	0.00014737	0.00014611	0.00012109	0.00017715	0.00017180	0.00079048	0.00016695	0.00041101
2 IRRIGATED GRAINS	0.00002627	0.00002493	0.00002171	0.00003169	0.00003315	0.00010728	0.00002969	0.00007370
3 VEG,CIT,OTH IRR	0.00199253	0.00185749	0.00164856	0.00238226	0.00273396	0.00635963	0.00224689	0.00559702
4 DRYLAND COTTON	0.00001312	0.00001301	0.00001078	0.00001577	0.00001530	0.00007044	0.00001487	0.00003660
5 DRYLAND FEED GRN	0.00057167	0.00054008	0.00047362	0.00070161	0.00066290	0.00260008	0.00064731	0.00160781
6 OTHER DRYLAND CR	0.00123389	0.00114067	0.00100887	0.00160093	0.00129649	0.00336710	0.00137583	0.00342309
7 RANGE,FEEDLOT LV	0.00419131	0.00393237	0.00347582	0.00500086	0.00516728	0.01937299	0.00474420	0.01180137
8 DAIRY,POULTRY,EG	0.00365699	0.00341910	0.00303538	0.00434561	0.00417069	0.01589983	0.00414235	0.01030632
9 AG SUPPLY	0.00007075	0.00006610	0.00005839	0.00008665	0.00008706	0.00024847	0.00007966	0.00019819
10 GINNING	0.00002832	0.00002753	0.00002330	0.00003432	0.00003175	0.00012275	0.00003199	0.00007909
11 AG SERVICES	0.00044089	0.00041300	0.00036482	0.00053262	0.00052554	0.00181042	0.00049797	0.00123852
12 FISHERIES	0.00090697	0.00084511	0.00075029	0.00107305	0.00368233	0.00649165	0.00102677	0.00254739
13 CR PET,NAT GAS,S	0.01587356	0.01927733	0.01096331	0.03207236	0.01497116	0.02732352	0.02621410	0.03010632
14 RES CONST,ALT,RE	0	0	0	0	0	0	0	0
15 COM,ED,INST CONS	0.00000147	0.00000125	0.00000098	0.00000245	0.00000244	0.00000462	0.00000191	0.00000316
16 FAC,OTH CONST	0.00222131	0.00901222	0.00272709	0.00206317	0.00158576	0.00856996	0.00632785	0.00291474
17 MEAT PRODUCTS	0.00531175	0.00496797	0.00440988	0.00635185	0.00632668	0.02967008	0.00602490	0.01497291
18 DAIRY MANUFACT	0.00507319	0.00474301	0.00421111	0.00601924	0.00613532	0.03246821	0.00575982	0.01429846
19 CAN,PRE,P,D,FROZ	0.00110951	0.00102338	0.00090804	0.00130990	0.00236498	0.02188401	0.00125906	0.00308238
20 OTH FOOD,KIN PRO	0.00430129	0.00426437	0.00353450	0.00516784	0.00501411	0.02308940	0.00487312	0.01199747
21 BEVERAGES	0.00385038	0.00360030	0.00318849	0.00483570	0.00396137	0.00902933	0.00433964	0.01080923
22 TEXTILE MILL PRO	0.00018572	0.00019367	0.00014411	0.00028660	0.00021933	0.00054311	0.00020108	0.00048351
23 WOOD,PAPER PROD	0.00140366	0.00160811	0.00073133	0.00154757	0.00153275	0.00497360	0.00124128	0.00236826
24 NEWS,PUBS,PRINT	0.01361454	0.05291731	0.00350093	0.00468594	0.00681966	0.00971504	0.00660442	0.00963148
25 CHEM,DRUG,REL PR	0.01258461	0.00171669	0.00139408	0.00237078	0.00190788	0.00453665	0.00201621	0.00460321
26 PETRO,REF,PROD	0.01067809	0.00920371	0.00760831	0.01141890	0.01016530	0.02013357	0.01093625	0.02552828
27 CLAY,CUT ST,SHEL	0.00002971	0.00006526	0.00002135	0.00005456	0.00002740	0.00006715	0.00004780	0.00004137
28 CEM,CONC PRODUCT	0.00021629	0.00061339	0.00018818	0.00021627	0.00019825	0.00057544	0.00040223	0.00029741
29 PRI MET,FOUND,FG	0.00059077	0.00051582	0.00044953	0.00077289	0.00056061	0.00114706	0.00064717	0.00151761
30 FAB ST,OTH MET	0.00032003	0.00069919	0.00017361	0.00088079	0.00021438	0.00054012	0.00030510	0.00042370
31 MACH,PROC EQUIP	0.00029185	0.00023710	0.00017241	0.00056205	0.00048357	0.00084857	0.00038892	0.00055082
32 ELEC,ELECT EQUIP	0.00015636	0.00013788	0.00040366	0.00160360	0.0014445	0.00054898	0.00013595	0.00013080
33 TRANSPORTN EQUIP	0.00023392	0.00036827	0.00021162	0.00027631	0.00051576	0.00096261	0.00034997	0.00057114
34 OTHER MANUFACT	0.00041243	0.00035493	0.00029893	0.00059602	0.00074440	0.00118798	0.00053541	0.00095205
35 HWY MOT FR,WRHSG	0.04862903	0.00374084	0.00299474	0.00751480	0.00394173	0.01239833	0.00417642	0.00897276
36 WATER TRANSPORTN	0.00054244	0.00056912	0.00031844	0.00088269	0.00043872	0.00081121	0.00072764	0.00089554
37 AIR TRANSPORTN	0.00653124	0.00194494	0.00170396	0.00286709	0.00221546	0.00481419	0.00493749	0.00560198
38 OTH TRANSPORTN S	0.00652804	0.00662325	0.00460983	0.03095552	0.00621140	0.01212092	0.02448267	0.0150.928
39 COMMUNICATIONS	0.03657780	0.02553719	0.03355989	0.02234245	0.02921511	0.02715299	0.02454877	0.02786357
40 GAS SERVICES	0.00813942	0.01521947	0.00601790	0.00797864	0.00846760	0.01339972	0.00623080	0.01065798
41 ELECTRIC SERVICE	0.02316147	0.06446442	0.01002342	0.02480132	0.02733398	0.03672275	0.01856628	0.02898.859
42 WATER,SANI SERVC	0.00646973	0.01091315	0.00283149	0.00679134	0.00738735	0.00831851	0.00505530	0.00759672
43 WHLSE AUTO,PT,SU	0.00424447	0.00228364	0.00361707	0.00301790	0.00253926	0.00523737	0.00462152	0.00668570
44 WHLSE GROC REL	0.00422399	0.00393679	0.00349292	0.00507780	0.02194169	0.00970115	0.00475602	0.01185860
45 WHLSE FARM PRO	0.00034999	0.00032749	0.00029023	0.00041710	0.00040591	0.00152425	0.00039615	0.00091541
46 WHLSE LIVESTOCK	0.00014178	0.00013289	0.00011764	0.00016884	0.00016763	0.00058502	0.00016048	0.00039941
47 WHLSE MAC	0.00557492	0.00402207	0.00329438	0.00974419	0.01945437	0.01083610	0.00452931	0.01106924
48 WHLSE PETRO,PROD	0.00290198	0.00214717	0.00187813	0.00280740	0.00240817	0.00508394	0.00261764	0.00635173
49 GEN WHLSE	0.02005900	0.01690027	0.01438056	0.03304130	0.02579588	0.04053632	0.02357439	0.04688401
50 RETAIL LUMBERYDS	0.00472075	0.00442265	0.00392139	0.00558769	0.00487132	0.01004033	0.00533923	0.01329962
51 FARM EQUIP DEAL	0.00006994	0.00006569	0.00005783	0.00008517	0.00008319	0.00028427	0.00007898	0.00019633
52 HRDW,HEAT,ELECT	0.00095152	0.00089124	0.00078537	0.00114233	0.00099880	0.00208799	0.00107422	0.00264753
53 DEPART,VAR STORE	0.01576436	0.01474941	0.01309704	0.01866704	0.01624719	0.03321068	0.01782970	0.04447134
54 FOOD STORES	0.02469436	0.02308018	0.02049482	0.02923007	0.03730735	0.05208881	0.02790075	0.06958951
55 AUTO DEAL REP SH	0.02501543	0.02243493	0.05493532	0.02893350	0.02467898	0.04991499	0.02724973	0.06588083
56 GAS SER STATIONS	0.02231669	0.00278453	0.00239469	0.00439610	0.00352356	0.00612942	0.00425079	0.00783737
57 APPAREL ACES STO	0.00413186	0.00386575	0.00343276	0.00489269	0.00450513	0.00870470	0.00467321	0.01165630

58 FURNITURE HOME	0.00209366	0.00195882	0.00173942	0.00247923	0.00254332	0.00441071	0.00236798	0.00590621
59 EATING DRNK PLAC	0.01041733	0.00882837	0.00782750	0.01165361	0.00971935	0.01990533	0.01129262	0.02653732
60 ALL OTHER RETAIL	0.01029514	0.01130219	0.00848418	0.01241301	0.01335771	0.02164329	0.01173817	0.02879806
61 BANK CREDIT AGEN	0.01887706	0.01762183	0.01552695	0.02318155	0.02037166	0.04022687	0.02091441	0.05158615
62 INS REAL EST FIN	0.00933911	0.00666343	0.00627489	0.00977299	0.00722341	0.02273024	0.00781022	0.01823597
63 LODGING SERVICES	0.00085775	0.00007197	0.00006121	0.00029969	0.00007388	0.00021491	0.00008231	0.00017596
64 PERSONAL SERVICE	0.00900561	0.01516148	0.00747826	0.01139298	0.02129232	0.01951129	0.01020177	0.02537953
65 ADV DUP ADD PHOT	1.02778936	0.00584958	0.00503150	0.01050122	0.00821786	0.01293866	0.01288150	0.01267818
66 MOTION PIC AMUSE	0.00195234	1.00180174	0.00159696	0.00230574	0.00274364	0.00418073	0.00222062	0.00537690
67 AUTO RENT PARK	0.00235049	0.00060093	1.00023072	0.00129871	0.00034045	0.00113890	0.00041037	0.00074193
68 MISCELL REP SERV	0.00739212	0.02698965	0.00560702	1.01507670	0.00886305	0.00641728	0.00483219	0.00789721
69 MEDICAL DENT SER	0.01819536	0.01701985	0.01511411	0.02154359	1.06575040	0.03833756	0.02057435	0.05131487
70 EDUCATION	0.04098878	0.03835610	0.03404463	0.04852644	0.04225119	1.08646915	0.04749312	0.11559195
71 PROFESSIONAL SER	0.02216469	0.02320011	0.01181039	0.01912318	0.03025324	0.02718786	1.02395251	0.03377291
72 HOUSEHOLDS	0.47773698	0.44696766	0.39690612	0.56570533	0.49237080	1.00645053	0.54032916	1.34770616
TOTAL	2.02293653	1.98139732	1.76221779	2.10569429	2.05798588	2.91852742	2.02849545	2.30977285