



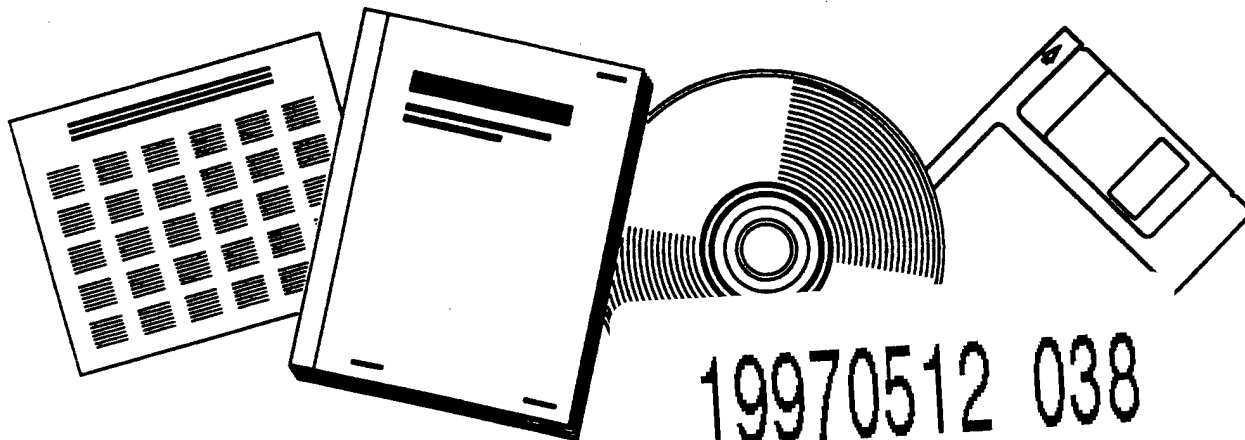
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**IMPACTS OF DEFENSE SPENDING CUTS ON INDUSTRY  
SECTORS, OCCUPATIONAL GROUPS, AND LOCALITIES  
ANNEX F TO ADJUSTING TO THE DRAWDOWN REPORT  
OF THE DEFENSE CONVERSION COMMISSION**

**DEFENSE CONVERSION COMMISSION  
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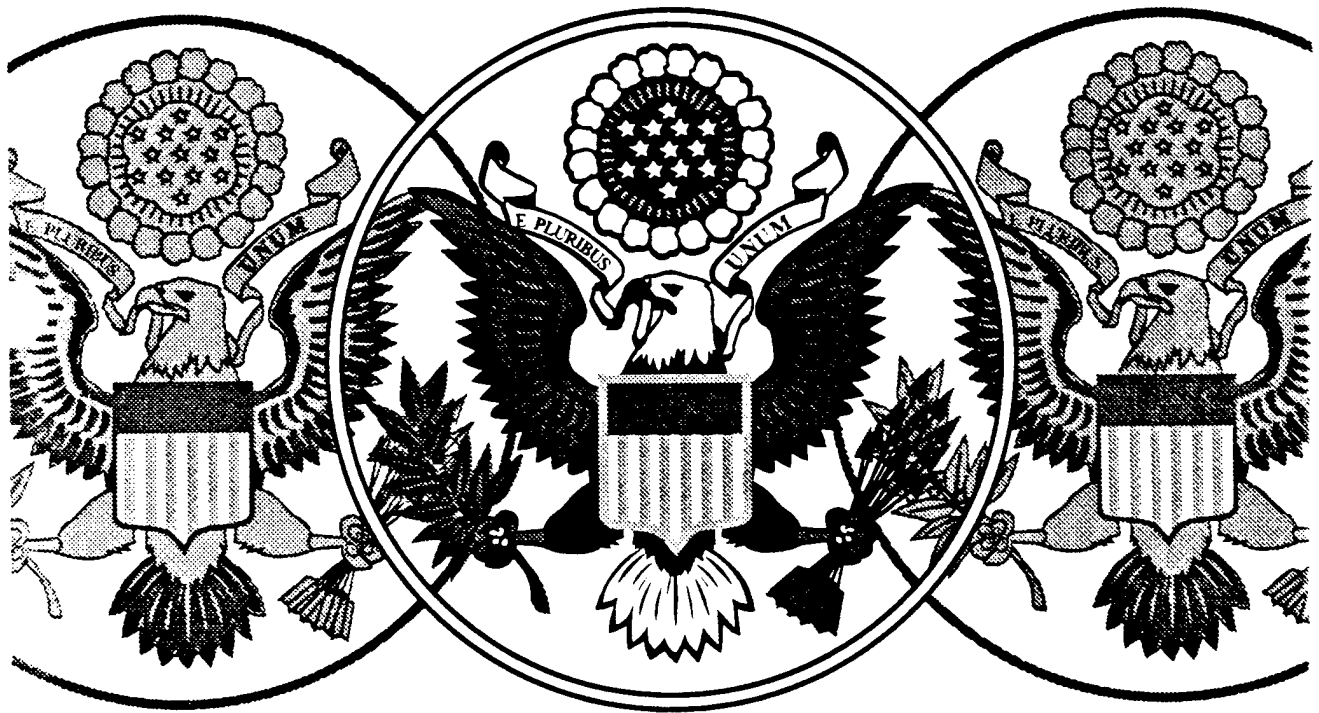
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Abstract: The report estimates the economic impacts on industries, localities, and occupational groups from reduced DoD purchases of goods and services between 1991 and 1997. The report focuses on gross changes rather than net effects. Gross changes in DoD's demand for goods and services and in defense-related jobs are those that result directly from changes in defense spending. The primary basis for the analysis is output obtained from the Defense Economic Impact Modeling System (DEIMS).

# Impacts of Defense Spending Cuts on Industry Sectors, Occupational Groups, and Localities



Annex F to  
*Adjusting to the Drawdown*  
Report of the  
Defense Conversion Commission

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U. S. DEPARTMENT OF COMMERCE  
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# Impacts of Defense Spending Cuts on Industry Sectors, Occupational Groups, and Localities

Annex F to  
*Adjusting to the Drawdown*

Report of the  
Defense Conversion Commission

LMI Report DC201R2

February 1993

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This paper was prepared as input to the Defense Conversion Commission in preparation of its December 1992 Report, *Adjusting to the Drawdown*. This paper does not necessarily reflect the findings, conclusions, or recommendations of the Defense Conversion Commission, the Department of Defense, or any Federal department or agency, nor does the Commission necessarily endorse the views expressed herein.

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# Executive Summary

During the nearly four decades of the Cold War, national defense consumed a significant portion of the country's economic resources. Although defense spending as a percentage of Gross Domestic Product (GDP) varied over that period, its share of GDP was never less than 4.8 percent (in 1978 under President Carter) nor more than 14.5 percent (in 1953 under President Eisenhower). At the last cyclical peak, the defense budget consumed 6.5 percent of GDP (in 1986 under President Reagan). Because of major changes in the geopolitical environment and pressing social and economic needs in the United States, the American political system decided to shift resources away from national defense. By 1997, the DoD budget is expected to fall to 3.6 percent of GDP, the lowest level of defense spending relative to national income since the end of World War II.

DoD budgets consist of two principal types of expenditures: those that pay active duty military, selected reserve military, DoD civilian workers, and retirees; and those that purchase goods and services from the private sector. We analyze how DoD purchases impact the private sector and estimate the economic effects of reduced defense spending for goods and services. We use a broad definition of defense industries and workers that includes all defense prime contractors, their major subcontractors, and other private-sector suppliers to defense producers. Using various data and analytical tools, the economic impacts of DoD purchases of goods and services are considered at the industry, state, county, and occupational levels. While the overall effects of defense downsizing at the national level are minimal, some industries, states, counties, and occupations are substantially dependent upon DoD purchases and will experience severe negative impacts between 1991 and 1997.

DoD buys more from the manufacturing sector than from any other sector. According to results from the Defense Economic Impact Modeling System (DEIMS), 61.2 percent of DoD's direct and indirect purchases in 1991 were from the manufacturing sector and 17.6 percent were from the service sector. The most heavily defense-dependent industries produce specialized military end items. For example, the DEIMS model estimates that DoD essentially purchases 100 percent of the missiles, tanks, and ordnance; 50 percent of the ships, boats, and railroad equipment; 50 percent of the communication and search and navigation equipment; and 34 percent of the aircraft, aircraft engines and parts, and missile engines and parts produced. The DEIMS model projects that these four industry groupings will suffer the largest

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reductions in their business bases between 1991 and 1997 as a result of defense downsizing; the projected business base declines in those specialized groupings are 36, 23, 21, and 11 percent, respectively.

The DEIMS model estimates that there were 3.2 million private-sector defense-related jobs in 1991. This figure implies that approximately 3.4 percent of all workers on private-sector payrolls produced goods and services for DoD, either directly or indirectly. Private-sector defense-related jobs are projected to decline to 2.3 million by 1997. This decline is 1.0 percent of private-sector payroll employment and, on an annual basis, averages less than 0.2 percent per year. According to DEIMS, most private-sector defense-related jobs are in the manufacturing sector. The second largest concentration of defense-related jobs is in services. In terms of the absolute magnitude of defense-related jobs lost, manufacturing leads with 621,000, and services is second with 143,000 jobs lost. Defense-related jobs as a percentage of total private-sector employment are greatest in manufacturing (8.7 percent) and second largest for mining (5.8 percent). The projected decline in defense-related jobs as a percentage of private-sector employment is greatest in manufacturing (3.2 percent) and second largest for mining (1.9 percent).

According to the DEIMS model, DoD purchases are highly concentrated in a small number of states. For example, 59.0 percent of DoD's direct and indirect purchases and 59.4 percent of private-sector defense-related jobs are concentrated in 10 states: California (accounting for 18.5 percent of DoD's purchases and 18.0 percent of private-sector defense-related jobs), Texas (6.6 and 6.2 percent), New York (6.3 and 6.7 percent), Massachusetts (4.7 and 4.9 percent), Virginia (4.5 and 5.1 percent), Ohio (4.2 and 3.9 percent), Florida (3.9 and 4.1 percent), Pennsylvania (3.8 and 3.8 percent), Connecticut (3.4 and 3.5 percent), and New Jersey (3.0 and 3.2 percent). Six states are dependent upon defense-related jobs for more than 5 percent of their nonfarm private-sector payroll employment: Connecticut (8.3 percent), Virginia (7.4 percent), Massachusetts (6.5 percent), California (5.6 percent), Maryland (5.5 percent), and Mississippi (5.2 percent). We project that only five states will lose more than 1.5 percent of their nonfarm private-sector payroll employment as a result of defense-related job losses: Connecticut (2.8 percent), Virginia (2.1 percent), Massachusetts (1.9 percent), Mississippi (1.8 percent), and California (1.7 percent).

To identify the impact of DoD purchases at the county level, we used the Defense Contract Action Data System (i.e., the DD Form 350 data base). We discovered that the top 20 counties accounted for 43 percent of the defense prime contracts valued over \$25,000 that were awarded

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domestically in 1991. California was heavily represented with 4 of the top 20 counties. Other states with a large number of heavily defense-dependent counties include Connecticut with three counties; and Texas, Massachusetts, and Arizona with two counties each.

Using industry-occupation coefficients derived from the Bureau of Labor Statistics' National Occupational Employment Statistics for 1990, we estimated the composition of the private-sector defense work force in 1991 and the occupational distribution of defense-related jobs likely to be lost between 1991 and 1997. We find that most private-sector defense-related jobs are in the "Professional specialty" category (605,000 jobs). The second largest concentration is in "Precision production" (597,000 jobs). In terms of the absolute magnitude of defense-related jobs lost, "Precision production" leads with 193,000 jobs lost, and "Professional specialty" is second with 177,000 jobs lost. Defense-related jobs as a percentage of private-sector payroll employment are greatest for "Technicians/support" (6.0 percent) and second largest for "Precision production" (5.4 percent) personnel. The projected decline in defense-related jobs as a percentage of private-sector payroll employment is greatest for "Technicians/support" (1.9 percent) and second largest for "Precision production" (1.8 percent) personnel.

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## CHAPTER 1

# Introduction and Summary of Major Findings

## INTRODUCTION

This report estimates the economic impacts on industries, localities, and occupational groups from reduced DoD purchases of goods and services between 1991 and 1997. We broadly define defense industries and workers to encompass all defense prime contractors, their major subcontractors, and other private-sector suppliers to defense producers. This definition captures all direct and indirect effects of DoD purchases from the private sector. We refer to jobs in the private sector that are generated by DoD purchases as “defense-related” to distinguish them from DoD civilian and uniformed military employees.<sup>1</sup>

This report focuses on *gross* changes rather than net effects. Gross changes in DoD’s demand for goods and services and in defense-related jobs are those that result directly from changes in defense spending. Gross changes do not include “induced” changes resulting from further rounds of decreased spending (i.e., multiplier effects), nor do they include any salutary effects (e.g., lower interest rates) caused by decreased defense spending. Depending upon the assumptions made and the time frame considered, the net effects of reduced defense spending may be larger or smaller than gross changes.

The primary basis for this analysis is output obtained from the Defense Economic Impact Modeling System (DEIMS). Based upon a request from the Chairman of the Defense Conversion Commission, DoD’s Office of Program Analysis and Evaluation (PA&E) provided the complete data that underlie their most recently published DEIMS

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<sup>1</sup>Annex H to the report of the Defense Conversion Commission, *Adjusting to the Drawdown*, explicitly considers the impacts of DoD employment, purchases, and induced effects upon local economies.

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report.<sup>2</sup> That report was based upon the President's February 1991 budget submission; it did *not* include the effects of Operations Desert Shield and Desert Storm. The President's February 1991 budget submission contained a projection for 1997 defense spending in the Future Years Defense Program. The data in the DEIMS report were on the basis of *calendar* years (CY) (as opposed to the more commonly used fiscal year). It is also important to note that defense outlays in any given year partially reflect budget authority from several prior years. During buildups and build-downs, defense outlays tend to lag budget authority. Finally, because defense budget authority for FY93 to FY97 was reduced 3 percent in the President's January 1992 budget submission and may be further reduced by Congress as FY97 approaches, the 1991 DEIMS estimates probably *understate* the decline in defense spending that is likely to occur between 1991 and 1997.

## MAJOR FINDINGS

DoD buys more from the manufacturing sector than from any other sector. For example, 61.2 percent of DoD's direct and indirect purchases and 51.1 percent of defense-related jobs are concentrated in the manufacturing sector (see Table 1-1). In comparison, 20.3 percent of all private-sector "payroll" employment in 1990 was in manufacturing.<sup>3</sup> While DoD spending accounts for 3.4 percent of private-sector payroll employment, DoD generates 8.7 percent of the jobs in the manufacturing sector. Of 65 industry groupings into which DEIMS subdivides the private-sector economy, 9 are dependent upon DoD for more than 10 percent of their employment (see Table 1-2). Only 7 industry groupings will lose more than 5 percent of their employment because of defense downsizing. All of the most defense-dependent and heavily impacted industries are in the manufacturing sector.

Similarly, most DoD purchases from the private sector and the associated employment are concentrated in a handful of states.

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<sup>2</sup>Washington Headquarters Services, Directorate of Information Operations and Reports, *Projected Defense Purchases, Detail by Industry and State: Calendar Years 1991 through 1997*, U.S. Government Printing Office, Washington, D.C., November 1991.

<sup>3</sup>Max L. Carey and James C. Franklin, "Industry output and job growth continues slow into next century," *Outlook: 1990-2005* [Bureau of Labor Statistics (BLS) Bulletin 2402], May 1992, p. 44. To estimate private-sector "payroll" employment, governmental employment was subtracted from and agricultural employment was added to nonfarm wage and salary employment. Private household workers, nonagricultural self-employed, and unpaid family workers were not included.

**TABLE 1-1***Defense Purchases and Defense-Related Employment for CY91*

Sector	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of DoD total	Rank	Defense-related employment	Percent of defense-related total	Rank
Manufacturing	127,307	85,755	213,062	61.2	1	1,656,777	51.1	1
Services	28,474	32,909	61,383	17.6	2	834,406	25.7	2
Transportation/ public utilities	9,163	16,387	25,550	7.3	3	276,055	8.5	3
Finance/insurance/ real estate	922	13,349	14,271	4.1	4	106,210	3.3	6
Construction	9,055	3,344	12,399	3.6	5	131,863	4.1	5
Wholesale trade	1,253	9,375	10,628	3.1	6	168,174	5.2	4
Mining	1	7,891	7,892	2.3	7	41,619	1.3	7
Agriculture	255	1,776	2,031	0.6	8	14,461	0.4	8
Retail trade	190	656	846	0.2	9	13,387	0.4	9
Total	176,620	171,442	348,062	100.0	-	3,242,952	100.0	-

Source: 1991 DEIMS.

Note: Because of double counting, direct plus indirect purchases exceed outlays.

**TABLE 1-2***Industry Groupings with Highest Defense Dependence and Impact*

Industry grouping	Defense-related employment relative to total employment (percent)	Rank	Reduction in defense-related employment between 1991 and 1997 relative to total employment (percent)	Rank
Missiles, tanks, and ordnance	105.7 <sup>a</sup>	1	-35.9	1
Ships, boats, and railroad equipment	50.1	2	-23.3	2
Communication/search and navigation equipment	49.6	3	-20.6	3
Aircraft, aircraft engines and parts, missile engines and parts	34.2	4	-10.9	4
Electronic components	16.5	5	-7.1	5
Scientific/medical equipment	15.3	6	-5.8	7
Engines and turbines	11.0	7	-6.4	6
Electrical industrial equipment	11.0	8	-4.0	10
Construction/mining equipment	10.7	9	-4.4	8
Chemicals/products	9.8	10	-3.4	13

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990-2005*, May 1992, pp. 56-60.<sup>a</sup> Apparent overestimate by DEIMS.

Fifty-nine percent of DoD's direct and indirect purchases and 59.4 percent of defense-related jobs are concentrated in 10 states (see Table 1-3). Of 51 states (Washington, D.C. is included), 6 states are dependent upon DoD purchases for between 5 and 8.3 percent of their nonfarm private-sector payroll employment (see Table 1-4). Only 5 states will lose more than 1.5 percent of their nonfarm private-sector payroll employment because of defense downsizing.

**TABLE 1-3**  
*Selected Purchases and Employment by State for CY91*

State	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of DoD total	Rank	Defense-related employment	Percent of defense-related total	Rank
California	38,848	24,513	63,361	18.5	1	584,987	18.0	1
Texas	10,549	12,115	22,664	6.6	2	200,077	6.2	3
New York	10,727	10,919	21,646	6.3	3	217,459	6.7	2
Massachusetts	9,494	6,598	16,092	4.7	4	159,292	4.9	5
Virginia	9,626	5,724	15,349	4.5	5	165,942	5.1	4
Ohio	6,163	8,278	14,442	4.2	6	126,233	3.9	7
Florida	7,622	5,774	13,395	3.9	7	131,923	4.1	6
Pennsylvania	5,548	7,600	13,149	3.8	8	123,252	3.8	8
Connecticut	6,981	4,618	11,599	3.4	9	112,531	3.5	9
New Jersey	4,867	5,577	10,444	3.0	10	103,325	3.2	10
Subtotal	110,425	91,716	202,142	59.0	-	1,925,021	59.4	-
51 state total	174,422	168,084	342,506	100.0	-	3,241,582	100.0	-

Source: 1991 DEIMS.

**TABLE 1-4**  
*States with Highest Defense Dependence and Impact*

State	Defense-related employment relative to nonfarm private-sector payroll employment (percent)	Rank	Reduction in defense-related employment between 1991 and 1997 relative to nonfarm private-sector payroll employment (percent)	Rank
Connecticut	8.3	1	-2.8	1
Virginia	7.4	2	-2.1	2
Massachusetts	6.5	3	-1.9	3
California	5.6	4	-1.7	5
Maryland	5.5	5	-1.3	10
Mississippi	5.2	6	-1.8	4
District of Columbia	4.9	7	-0.9	27
Missouri	4.9	8	-1.3	11
Arizona	4.8	9	-1.4	8
Colorado	4.6	10	-1.2	14

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132-149.

Defense purchases are concentrated in relatively few counties. For example, the top 20 counties received 43.5 percent of the defense prime contracts valued over \$25,000 that were awarded in 1991 (see Table 1-5).

**TABLE 1-5**  
*Top 20 Counties Receiving the Largest Dollar Value of Prime Contract Awards in FY91*

County	State	Value of awards (1993 \$ billions)	Cumulative percentage of total awards
Los Angeles	California	10.6	8.2
St. Louis (city)	Missouri	5.7	12.6
Tarrant	Texas	4.0	15.7
Santa Clara	California	3.8	18.6
Middlesex	Massachusetts	3.5	21.2
Nassau	New York	3.3	23.7
Orange	California	2.9	25.9
Essex	Massachusetts	2.7	28.0
San Diego	California	2.5	30.0
Collin	Texas	2.4	31.8
New London	Connecticut	2.4	33.6
Fairfax	Virginia	2.3	35.4
Denver	Colorado	1.9	36.8
Fairfield	Connecticut	1.6	38.1
Hamilton	Ohio	1.4	39.1
Orange	Florida	1.2	40.0
District of Columbia	District of Columbia	1.2	40.9
Pima	Arizona	1.2	41.9
Maricopa	Arizona	1.2	42.7
Hartford	Connecticut	1.1	43.5

*Source:* Logistics Management Institute (LMI) analysis of the Defense Contract Action Data System (DD Form 350 data base).

Finally, we find that three of nine major occupational groupings are dependent upon DoD purchases of goods and services for between 5 and 6 percent of their private-sector payroll employment (see Table 1-6). We estimate that only three occupations (technicians and related support, precision production, and professional speciality – which includes engineers and scientists) will suffer more than a 1.5 percent reduction in jobs as a result of defense downsizing between 1991 and 1997.



**TABLE 1-6**

*Occupational Dependence and Impact*

Occupational grouping	Defense-related employment as a share of private-sector payroll employment (percent)	Rank	Reduction in defense-related employment between 1991 and 1997 relative to private-sector payroll employment (percent)	Rank
Technicians and related support	6.0	1	-1.9	1
Precision production	5.4	2	-1.8	2
Professional speciality	5.1	3	-1.5	3
Executive, administrative, and managerial	4.2	4	-1.3	4
Operators, fabricators, and laborers	3.3	5	-1.1	5
Administrative support including clerical	3.2	6	-0.9	6
Service occupations	1.9	7	-0.4	7
Marketing and sales	1.2	8	-0.3	8
Agriculture, forestry, and fishing	0.7	9	-0.2	9

Sources: 1991 DEIMS and BLS, *Outlook: 1990-2005, Industry-Occupation Matrices* (data diskette), May 1992.

## GUIDE TO REPORT CONTENTS

In the balance of the report, we show the impact of DoD purchases on industries, associated employment, and the projected decline in defense-related employment between 1991 and 1997. Chapter 2 analyzes industry impacts. Chapter 3 discusses the impact of defense expenditures on states and Chapter 4 discusses that impact on counties. Finally, in Chapter 5 we explore the impact of DoD's purchases and the projected defense spending decline on various occupations.

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## CHAPTER 2

# Industry Analysis

## METHODOLOGY

The DEIMS is an analytical tool that was developed by the Economic Analysis and Resource Planning Division of the OSD's Office of PA&E. The objective of DEIMS is to estimate the impacts of defense spending on industries, employment, and states. Ironically, it grew out of a concern during the early 1980s that rapidly increasing defense expenditures would create bottlenecks as capacity was reached in certain sectors thereby fueling inflation and/or creating shortages.

The DEIMS translator module converts budget authority into fund outlays (DoD "direct" purchases) and distributes those outlays to industries. An input-output module then estimates the economy-wide production of goods and services required to support defense spending (i.e., DoD total purchases). The differences between total and direct purchases are classified as DoD "indirect" purchases. The distinction between direct and indirect DoD purchases is significant. For example, DoD buys a large quantity of products from the shipbuilding and aircraft industries directly, but purchases comparatively little from those industries indirectly. Conversely, although DoD buys very little steel and few semiconductors directly, it buys a large quantity of them indirectly since they are embodied in defense major end items such as ships and aircraft.

The DEIMS has two other components. The labor forecasting module of DEIMS (LDEIMS) estimates employment generated through DoD's direct and indirect purchases. One shortcoming of an input-output methodology like the one used by DEIMS is that double counting inevitably occurs. This problem arises because shipments of subcomponents such as landing gear and jet engines that are counted in indirect purchases are also included in the direct purchases of aircraft. To overcome double counting, LDEIMS estimates domestic defense-related employment by dividing DoD total purchases (after first netting out imports) by shipments per worker. The Regional DEIMS (RDEIMS) module distributes DoD's direct and indirect purchases and the associated employment to the state level. The Defense Contract Action

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Data System (DD Form 350 data base) is the primary basis for allocating DoD direct demand to the states. Indirect defense expenditures are distributed among the states on the basis of state shares of total employment in each of the sectors.<sup>1</sup>

## DEFENSE PURCHASES IN 1991

The DoD's private-sector spending is concentrated in a relatively small number of industries (Table 2-1). Of a total of 426 private-sector industries defined by the DEIMS, 101 account for 90 percent of DoD's direct and indirect purchases. The second largest DEIMS category entitled "Other business services, NEC" consists of services for dwellings and buildings, miscellaneous repair shops, detective services, photography labs, photocopying, photography, and other business services. Some other DEIMS categories that represent a significant proportion of DoD purchases but are not commonly considered defense industries per se include wholesale trade, real estate operators, eating and drinking places, and banking. The essential point, captured so elegantly by DEIMS, is that a dollar's worth of a B-1 bomber includes not only the airframe, landing gear, and avionics, but also indirect expenses such as building rents and maintenance, electric utilities, business travel, communications, banking, and insurance services.

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<sup>1</sup>More detailed information on the DEIMS methodology can be obtained from *Defense Purchases: An Introduction to DEIMS*, *Defense-Related Employment of Skilled Labor: An Introduction to LDEIMS*, and *State-Level Projections of Potential Defense Outlays: An Introduction to RDEIMS*. Copies of these documents may be obtained from the Office of Industrial Base Assessment, Two Skyline Place, Suite 1406, 5203 Leesburg Pike, Falls Church, Virginia, 22041-3466.

**TABLE 2-1**

*Estimated 1991 DoD Purchases: Top 101 Industries*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
333	Communication/search and navigation equipment	32,650	5,784	38,434	11.0	11.0	1
406	Other business services, NEC	14,582	3,112	17,694	5.1	16.1	2
351	Aircraft	17,121	70	17,191	4.9	21.1	3
50	Complete guided missiles	15,910	33	15,943	4.6	25.6	4
353	Aircraft/missile parts and equipment, NEC	6,357	5,718	12,075	3.5	29.1	5
392	Wholesale trade	1,253	9,375	10,628	3.1	32.2	6
354	Shipbuilding and repairing	9,085	96	9,181	2.6	34.8	7
398	Real estate operators, owners, and lessors	920	8,058	8,978	2.6	37.4	8
403	Computer and data processing	1,383	7,028	8,411	2.4	39.8	9
352	Aircraft/missile engines and parts	4,925	2,395	7,320	2.1	41.9	10
413	Engineering, architecture, and surveying	3,413	2,330	5,743	1.6	43.6	11
389	Electric utilities	1,777	3,718	5,495	1.6	45.1	12
340	Electronic components, NEC	694	4,796	5,490	1.6	46.7	13
188	Petroleum refining	2,678	2,688	5,366	1.5	48.3	14
49	Maintenance and repair construction, public	5,115	142	5,257	1.5	49.8	15
168	Inorganic and organic chemicals	1,349	3,438	4,787	1.4	51.1	16
223	Blast furnaces and steel mills	34	4,656	4,690	1.3	52.5	17
404	Management, consulting, and labs	1,517	2,871	4,388	1.3	53.7	18
19	Crude petroleum	0	4,311	4,311	1.2	55.0	19
382	Motor freight	1,671	2,450	4,121	1.2	56.2	20
415	Eating and drinking places	493	3,612	4,105	1.2	57.3	21
384	Air carriers and related services	1,742	2,351	4,093	1.2	58.5	22
335	Semiconductors	204	3,879	4,083	1.2	59.7	23
405	Equipment rental and leasing	1,411	2,465	3,876	1.1	60.8	24
197	Miscellaneous plastic products	4	3,651	3,655	1.1	61.9	25
51	Ammunition, except small arms, NEC	3,558	65	3,623	1.0	62.9	26
387	Communications, except radio and TV	1,032	2,459	3,491	1.0	63.9	27
361	Engineering and scientific instruments	3,133	115	3,248	0.9	64.8	28
303	Electronic computing equipment	2,677	461	3,138	0.9	65.7	29
424	Educational services	3,002	129	3,131	0.9	66.6	30
394	Banking	0	2,850	2,850	0.8	67.5	31
48	Maintenance and repair, private nonresidential	0	2,809	2,809	0.8	68.3	32
383	Water transportation and related services	1,835	895	2,730	0.8	69.0	33
52	Tanks and tank components	1,693	992	2,685	0.8	69.8	34
399	Hotels and lodging places	1,090	1,492	2,582	0.7	70.6	35
390	Gas utilities	417	2,016	2,433	0.7	71.3	36
312	Electric measuring instruments	1,407	584	1,991	0.6	71.8	37

Source: 1991 DEIMS.

Notes: Because of double counting, direct plus indirect purchases exceed outlays. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE 2-1

*Estimated 1991 DoD Purchases: Top 101 Industries (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
412	Legal services	11	1,769	1,780	0.5	72.3	38
302	Miscellaneous machinery	18	1,751	1,769	0.5	72.9	39
350	Motor vehicle parts and accessories	919	838	1,757	0.5	73.4	40
362	Measuring and control instruments	1,243	482	1,725	0.5	73.9	41
178	Plastic materials and resins	0	1,638	1,638	0.5	74.3	42
396	Insurance carriers and agents	2	1,583	1,585	0.5	74.8	43
253	Fabricated plate work (boilershop)	1,382	181	1,563	0.4	75.2	44
55	Guns, howitzers, mortars, etc.	1,279	241	1,520	0.4	75.7	45
284	Special dies, tools, and accessories	253	1,265	1,518	0.4	76.1	46
349	Other motor vehicles	1,494	13	1,507	0.4	76.5	47
414	Accounting, auditing, and miscellaneous professional	29	1,367	1,396	0.4	76.9	48
281	Industrial trucks and tractors	1,228	120	1,348	0.4	77.3	49
239	Aluminum rolling and drawing	0	1,325	1,325	0.4	77.7	50
53	Small arms	1,233	53	1,286	0.4	78.1	51
257	Screw machine products	360	924	1,284	0.4	78.4	52
425	Nonprofit organizations	880	400	1,280	0.4	78.8	53
380	Railroads and rail-related services	502	759	1,261	0.4	79.2	54
315	Motors and generators	649	609	1,258	0.4	79.5	55
272	Internal combustion engines, NEC	675	579	1,254	0.4	79.9	56
417	Auto repair, parking, and washing	15	1,176	1,191	0.3	80.2	57
20	Natural gas	0	1,168	1,168	0.3	80.6	58
241	Nonferrous wire drawing and insulating	0	1,164	1,164	0.3	80.9	59
27	New industrial buildings	1,085	0	1,085	0.3	81.2	60
363	Surgical and medical instruments	1,045	16	1,061	0.3	81.5	61
28	New office buildings	1,051	0	1,051	0.3	81.8	62
23	New residential single family housing	1,022	0	1,022	0.3	82.1	63
416	Auto rental and leasing	145	874	1,019	0.3	82.4	64
402	Personnel supply services	0	1,011	1,011	0.3	82.7	65
18	Coal mining	0	956	956	0.3	83.0	66
235	Primary aluminum	0	903	903	0.3	83.2	67
145	Paper mills, except building paper	17	843	860	0.2	83.5	68
395	Credit agencies and securities brokers	0	858	858	0.2	83.7	69
367	Optical instruments and lenses	547	307	854	0.2	84.0	70
411	Other advertising (including signs/direct mail)	1	850	851	0.2	84.2	71
275	Construction machinery	424	425	849	0.2	84.5	72

Source: 1991 DEIMS.

Notes: Because of double counting, direct plus indirect purchases exceed outlays. NEC=not elsewhere classified

<sup>a</sup> We modified some DEIMS titles to better describe the industry

**TABLE 2-1**

*Estimated 1991 DoD Purchases: Top 101 Industries (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
232	Primary copper	0	847	847	0.2	84.7	73
393	Retail trade	190	656	846	0.2	84.9	74
339	Connectors, for electronic applications	0	835	835	0.2	85.2	75
282	Machine tools, metal cutting	666	157	823	0.2	85.4	76
155	Paperboard containers and boxes	39	783	822	0.2	85.7	77
238	Copper rolling and drawing	209	610	819	0.2	85.9	78
391	Water and sewer services	99	697	796	0.2	86.1	79
259	Other metal stampings	0	777	777	0.2	86.3	80
369	Photographic equipment and supplies	339	399	738	0.2	86.6	81
228	Iron and steel foundries	0	736	736	0.2	86.8	82
300	General industrial machinery, NEC	612	112	724	0.2	87.0	83
264	Plating and polishing	0	657	657	0.2	87.2	84
407	Newspaper (national, local, classified)	0	656	656	0.2	87.4	85
332	Telephone and telegraph equipment	468	187	655	0.2	87.5	86
56	Meat packing plants	452	199	651	0.2	87.7	87
268	Pipe, valves, and pipe fittings	75	558	633	0.2	87.9	88
364	Surgical appliances and supplies	532	96	628	0.2	88.1	89
294	Pumps and compressors	216	403	619	0.2	88.3	90
161	Commercial printing	25	573	598	0.2	88.4	91
3	Livestock	0	592	592	0.2	88.6	92
104	Broadwoven fabric plants	48	542	590	0.2	88.8	93
271	Steam engines and turbines	406	174	580	0.2	89.0	94
242	Aluminum castings	0	570	570	0.2	89.1	95
298	Power transmission equipment	87	471	558	0.2	89.3	96
381	Passenger transportation, NEC	50	504	554	0.2	89.4	97
196	Fabricated rubber products, NEC	71	479	550	0.2	89.6	98
254	Sheet metal work	0	543	543	0.2	89.7	99
229	Iron and steel forgings	123	396	519	0.1	89.9	100
116	Fabricated textile products, NEC	328	190	518	0.1	90.0	101

Source: 1991 DEIMS.

Notes: Because of double counting, direct plus indirect purchases exceed outlays. NEC = not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

Table 2-2 is a sector summary of DoD purchases and is based upon the full 426 industries (see Appendix A). It indicates that DoD is heavily dependent upon the goods-producing sectors of the economy because its purchases are drawn primarily from manufacturing. Over 70 percent of direct purchases, 50 percent of indirect purchases, and 60 percent of total DoD purchases are from manufacturers.

**TABLE 2-2**

*Estimated 1991 DoD Purchases: Sector Summary*

Sector	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)
Manufacturing	127,307	85,755	213,062	61.2	61.2
Services	28,474	32,909	61,383	17.6	78.8
Transportation/public utilities	9,163	16,387	25,550	7.3	86.2
Finance/insurance/real estate	922	13,349	14,271	4.1	90.3
Construction	9,055	3,344	12,399	3.6	93.9
Wholesale trade	1,253	9,375	10,628	3.1	96.9
Mining	1	7,891	7,892	2.3	99.2
Agriculture	255	1,776	2,031	0.6	99.8
Retail trade	190	656	846	0.2	100.0
<b>Total</b>	<b>176,620</b>	<b>171,442</b>	<b>348,062</b>	<b>100.0</b>	<b>100.0</b>

Source: 1991 DEIMS.

Note: Because of double counting, direct plus indirect purchases exceed outlays.

## DEFENSE-RELATED EMPLOYMENT IN 1991

Estimates of defense-related employment by industry grouping are shown in Table 2-3. LDEIMS estimates that there were 3.2 million private-sector defense-related jobs in 1991. This figure implies that approximately 3.4 percent of all workers on private-sector payrolls produced goods and services for DoD, either directly or indirectly. We divided defense-related jobs by private-sector payroll employment in 1990 to determine the relative significance of DoD's direct and indirect purchases to each industry grouping. The 10 most heavily defense-dependent industry groupings are all in the manufacturing sector of the economy. This finding is reinforced in Table 2-4, which is a summary of defense-related jobs by major employing sector.

**TABLE 2-3**

*Estimated 1991 Defense-Related Employment by Industry Grouping*

LDEIMS industry grouping <sup>a</sup>	Defense-related employment	Total employment in 1990	Defense-related ÷ total (percent)	Rank
Missiles, tanks, and ordnance	230,317	218,000	105.7 <sup>b</sup>	1
Ships, boats, and railroad equipment	110,136	220,000	50.1	2
Communication/search and navigation equipment	312,761	630,000	49.6	3
Aircraft, aircraft engines and parts, missile engines and parts	259,636	759,000	34.2	4
Electronic components	95,948	581,000	16.5	5
Scientific/medical equipment	88,810	579,000	15.3	6
Engines and turbines	9,831	89,000	11.0	7
Electrical industrial equipment	29,204	266,000	11.0	8
Construction/mining equipment	15,661	146,000	10.7	9
Chemicals/products	44,328	452,000	9.8	10
Nonferrous metals manufacturing	32,824	349,000	9.4	11
Ferrous/nonferrous mining	5,459	59,000	9.3	12
Primary iron/steel manufacturing	36,593	407,000	9.0	13
General industrial equipment	21,496	248,000	8.7	14
Miscellaneous machinery (except electrical)	26,152	317,000	8.2	15
Materials handling/metalworking machines	31,736	412,000	7.7	16
Business services	664,782	8,800,000	7.6	17
Office/computing equipment	32,846	439,000	7.5	18
Heating/plumbing/metal work	33,770	487,000	6.9	19
Screw machine products/stampings	18,747	281,000	6.7	20
Crude petroleum/natural gas	24,427	394,000	6.2	21
Transportation/warehousing	215,163	3,554,000	6.1	22
Other fabricated metal products	30,055	529,000	5.7	23
Optical/photo equipment	7,434	142,000	5.2	24
Stone/clay/fertilizer mining	5,073	111,000	4.6	25
Petroleum refining	7,112	158,000	4.5	26
Coal mining	6,659	148,000	4.5	27
Household appliances	5,531	125,000	4.4	28
Rubber/products	33,777	889,000	3.8	29
Stone/clay products	14,147	398,000	3.6	30

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990-2005*, May 1992, pp. 56-60.

<sup>a</sup> We modified some LDEIMS titles to better describe the industry grouping.

<sup>b</sup> Apparent overestimate by DEIMS.



**TABLE 2-3**

*Estimated 1991 Defense-Related Employment by Industry Grouping  
(Continued)*

LDEIMS industry grouping <sup>a</sup>	Defense-related employment	Total employment in 1990	Defense-related ÷ total (percent)	Rank
Electric lighting/wiring	6,418	189,000	3.4	31
Electric/gas/water utilities	30,250	961,000	3.1	32
Communications (except radio/TV)	29,461	947,000	3.1	33
Real estate/rental	37,976	1,319,000	2.9	34
New/repair construction	131,863	5,136,000	2.6	35
Hotels/personal services	72,784	2,909,000	2.5	36
Paper and allied products	12,032	489,000	2.5	37
Service industry equipment	3,389	177,000	1.9	39
Glass/products	2,728	160,000	1.7	40
Paperboard containers	4,031	210,000	1.9	38
Lumber/wood products and containers	11,922	741,000	1.6	41
Printing/publishing	25,112	1,574,000	1.6	42
Fabric/yarn/thread mills	7,608	485,000	1.6	43
Metal containers	732	50,000	1.5	44
Paints/products	886	62,000	1.4	45
Miscellaneous manufacturing	5,301	377,000	1.4	46
Plastics/synthetics	2,545	181,000	1.4	47
Motor vehicles/equipment	11,854	858,000	1.4	48
Miscellaneous electrical machinery	2,266	167,000	1.4	49
Finance/insurance	68,233	5,420,000	1.3	50
Eating/drinking places	71,907	6,565,000	1.1	51
Automobile repair and services	10,116	928,000	1.1	52
Apparel/miscellaneous textile products	12,303	1,249,000	1.0	53
Wholesale/retail trade	181,561	19,323,000	0.9	54
Special industrial equipment	1,463	159,000	0.9	55
Farm/garden machinery	973	106,000	0.9	56
Food/kindred products	12,672	1,668,000	0.8	57
Household furniture	1,654	291,000	0.6	58
Other furniture	1,107	219,000	0.5	59
Agriculture/forest/fish/agricultural services	14,461	3,276,000	0.4	60
Radio/TV broadcasting	1,180	364,000	0.3	61
Footwear/leather products	407	132,000	0.3	62
Drugs/cleaning/toilet	520	398,000	0.1	63
Miscellaneous services	14,818	14,953,000	0.1	64
Tobacco manufacturers	0	49,000	0.0	65
<b>Total</b>	<b>3,242,952</b>	<b>94,273,000</b>	<b>3.4</b>	<b>-</b>

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990 - 2005*, May 1992, pp. 56 - 60.

<sup>a</sup> We modified some LDEIMS titles to better describe the industry grouping.

**TABLE 2-4**

*Estimated 1991 Defense-Related Employment: Sector Summary*

Sector	Defense-related employment	Total employment in 1990	Defense-related ÷ total (percent)
Manufacturing	1,656,777	19,111,000	8.7
Mining	41,619	711,000	5.8
Transportation/public utilities	276,055	5,826,000	4.7
Wholesale trade	168,174	6,205,000	2.7
Construction	131,863	5,136,000	2.6
Services <sup>a</sup>	834,406	34,155,000	2.4
Finance/insurance/real estate	106,210	6,739,000	1.6
Agriculture	14,461	3,276,000	0.4
Retail trade	13,387	13,118,000	0.1
<b>Total</b>	<b>3,242,952</b>	<b>94,273,000</b>	<b>3.4</b>

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990-2005*, May 1992, pp. 56-60.

<sup>a</sup> The DEIMS model includes eating/drinking places in the services sector. We followed this convention by shifting eating/drinking places from retail trade to services in the BLS data.

## PROJECTED CHANGE IN DEFENSE-RELATED EMPLOYMENT

According to LDEIMS, private-sector defense-related jobs are projected to decline to 2.3 million by 1997. We divided the projected change in jobs by payroll employment to determine the relative impact each industry grouping will face as defense spending is curtailed (see Table 2-5). While the decline in defense-related jobs is projected to be modest in comparison to the economy – slightly more than 1 percent of private-sector payroll employment – the impact varies quite dramatically among industry groupings. “Missiles, tanks and ordnance” suffer the largest relative decline while “Miscellaneous services” are impacted almost imperceptibly. The 10 most heavily impacted industry groupings are all in manufacturing. This finding is reiterated in Table 2-6, which is a summary of defense-related job losses by major employing sector.

TABLE 2-5

## Change in Defense-Related Employment by Industry Grouping: 1991 to 1997

LDEIMS industry grouping	1 1991 defense- related employ- ment	2 1997 defense- related employ- ment	3 Employ- ment change (2-1)	4 Total employ- ment in 1990	Estimated relative job loss (3÷4) (percent)	Rank
Missiles, tanks, and ordnance	230,317	152,133	-78,184	218,000	-35.9	1
Ships, boats, and railroad equipment	110,136	58,855	-51,282	220,000	-23.3	2
Communication/search and navigation equipment	312,761	183,015	-129,746	630,000	-20.6	3
Aircraft, aircraft engines and parts, missile engines and parts	259,636	176,700	-82,935	759,000	-10.9	4
Electronic components	95,948	54,980	-40,968	581,000	-7.1	5
Engines and turbines	9,831	4,102	-5,730	89,000	-6.4	6
Scientific/medical equipment	88,810	55,050	-33,760	579,000	-5.8	7
Construction/mining equipment	15,661	9,253	-6,408	146,000	-4.4	8
Primary iron/steel manufacturing	36,593	19,739	-16,854	407,000	-4.1	9
Electrical industrial equipment	29,204	18,438	-10,766	266,000	-4.0	10
General industrial equipment	21,496	12,149	-9,347	248,000	-3.8	11
Nonferrous metals manufacturing	32,824	20,689	-12,136	349,000	-3.5	12
Chemicals/products	44,328	28,966	-15,362	452,000	-3.4	13
Miscellaneous machinery (except electrical)	26,152	15,393	-10,759	317,000	-3.4	14
Materials handling/metalworking machines	31,736	19,154	-12,582	412,000	-3.1	15
Office/computing equipment	32,846	20,961	-11,885	439,000	-2.7	16
Ferrous/nonferrous mining	5,459	4,130	-1,330	59,000	-2.3	17
Crude petroleum/natural gas	24,427	15,899	-8,528	394,000	-2.2	18
Screw machine products/stampings	18,747	12,812	-5,935	281,000	-2.1	19
Transportation/warehousing	215,163	141,486	-73,677	3,554,000	-2.1	20
Heating/plumbing/metal work	33,770	23,833	-9,936	487,000	-2.0	21
Other fabricated metal products	30,055	20,788	-9,268	529,000	-1.8	22
Coal mining	6,659	4,218	-2,441	148,000	-1.6	23
Optical/photo equipment	7,434	5,110	-2,324	142,000	-1.6	24
Petroleum refining	7,112	4,833	-2,279	158,000	-1.4	25
Stone/clay/fertilizer mining	5,073	3,612	-1,461	111,000	-1.3	26
Business services	664,782	552,496	-112,286	8,800,000	-1.3	27
Rubber/products	33,777	23,183	-10,595	889,000	-1.2	28
Electric lighting/wiring	6,418	4,179	-2,239	189,000	-1.2	29
Miscellaneous electrical machinery	2,266	478	-1,789	167,000	-1.1	30
Stone/clay products	14,147	10,004	-4,143	398,000	-1.0	31
Household appliances	5,531	4,250	-1,281	125,000	-1.0	32
Electric/gas/water utilities	30,250	21,216	-9,034	961,000	-0.9	33
Communications (except radio/TV)	29,461	21,027	-8,434	947,000	-0.9	34
Paper and allied products	12,032	8,140	-3,892	489,000	-0.8	35
Service industry equipment	3,389	2,123	-1,266	177,000	-0.7	36
Fabric/yarn/thread mills	7,608	4,160	-3,448	485,000	-0.7	37
Paperboard containers	4,031	2,594	-1,437	210,000	-0.7	38
Real estate/rental	37,976	29,342	-8,634	1,319,000	-0.7	39
Glass/products	2,728	1,751	-977	160,000	-0.6	40
Miscellaneous manufacturing	5,301	3,091	-2,210	377,000	-0.6	41
Motor vehicles equipment	11,854	6,874	-4,980	858,000	-0.6	42
Metal containers	732	468	-264	50,000	-0.5	43
Plastics/synthetics	2,545	1,638	-907	181,000	-0.5	44
Lumber/wood products and containers	11,922	8,270	-3,653	741,000	-0.5	45

Sources: 1991 DEIMS and BLS Bulletin 2402, Outlook: 1990-2005, May 1992, pp. 56-60.

**TABLE 2-5**

*Change in Defense-Related Employment by Industry Grouping: 1991 to 1997 (Continued)*

LDEIMS industry grouping	1 1991 defense- related employ- ment	2 1997 defense- related employ- ment	3 Employ- ment change (2-1)	4 Total employ- ment in 1990	Estimated relative job loss (3 ÷ 4) (percent)	Rank
Apparel/miscellaneous textile products	12,303	6,545	-5,758	1,249,000	-0.5	46
Special industrial equipment	1,463	790	-673	159,000	-0.4	47
Paints/products	886	635	-251	62,000	-0.4	48
Printing/publishing	25,112	19,353	-5,759	1,574,000	-0.4	49
Hotels/personal services	72,784	62,731	-10,053	2,909,000	-0.3	50
Farm/garden machinery	973	648	-325	106,000	-0.3	51
New/repair construction	131,863	116,538	-15,326	5,136,000	-0.3	52
Food/kindred products	12,672	7,824	-4,848	1,668,000	-0.3	53
Finance/insurance	68,233	54,174	-14,059	5,420,000	-0.3	54
Wholesale/retail trade	181,561	134,840	-46,721	19,323,000	-0.2	55
Eating/drinking places	71,907	56,796	-15,111	6,565,000	-0.2	56
Household furniture	1,654	1,033	-621	291,000	-0.2	57
Automobile repair and services	10,116	8,291	-1,825	928,000	-0.2	58
Footwear/leather products	407	178	-229	132,000	-0.2	59
Other furniture	1,107	736	-371	219,000	-0.2	60
Agriculture/forest/fish/agricultural services	14,461	9,984	-4,476	3,276,000	-0.1	61
Radio/TV broadcasting	1,180	812	-368	364,000	-0.1	62
Drugs/cleaning/toilet	520	372	-148	398,000	0.0	63
Miscellaneous services	14,818	11,346	-3,472	14,953,000	0.0	64
Tobacco manufacturers	0	0	0	49,000	0.0	65
<b>Total</b>	<b>3,242,952</b>	<b>2,285,208</b>	<b>-957,744</b>	<b>94,273,000</b>	<b>-1.0</b>	<b>-</b>

Sources: 1991 DEIMS and BLS Bulletin 2402, Outlook: 1990-2005, May 1992, pp. 56-60.

**TABLE 2-6**

*Change in Defense-Related Employment: Sector Summary for 1991 to 1997*

Sector	1 1991 defense- related employ- ment	2 1997 defense- related employ- ment	3 Employ- ment change (2-1)	4 Total employ- ment in 1990	Estimated relative job loss (3 ÷ 4) (percent)
Manufacturing	1,656,777	1,036,269	-620,508	19,112,000	-3.2
Mining	41,619	27,860	-13,760	712,000	-1.9
Transportation/public utilities	276,055	184,542	-91,513	5,826,000	-1.6
Wholesale trade	168,174	124,898	-43,276	6,205,000	-0.7
Services <sup>a</sup>	834,406	691,659	-142,747	34,155,000	-0.4
Finance/insurance/real estate	106,210	83,516	-22,694	6,739,000	-0.3
Construction	131,863	116,538	-15,326	5,136,000	-0.3
Agriculture	14,461	9,984	-4,476	3,276,000	-0.1
Retail trade	13,387	9,942	-3,445	13,118,000	0.0
<b>Total</b>	<b>3,242,952</b>	<b>2,285,208</b>	<b>-957,744</b>	<b>94,279,000</b>	<b>-1.0</b>

Sources: 1991 DEIMS and BLS Bulletin 2402, *Outlook: 1990-2005*, May 1992, pp. 56-60.

<sup>a</sup> The DEIMS model includes eating/drinking places in the services sector. We followed this convention by shifting eating/drinking places from retail trade to services in the BLS data.

## CHAPTER 3

# State Analysis

As shown in Table 3-1, DoD's direct and indirect purchases are highly concentrated geographically. The top 10 states account for nearly 60 percent of DoD's purchases of goods and services from the private sector.

**TABLE 3-1**

*Estimated 1991 DoD Purchases by State*

State	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of DoD total	Cumulative percentage	Rank
California	38,848	24,513	63,361	18.5	18.5	1
Texas	10,549	12,115	22,664	6.6	25.1	2
New York	10,727	10,919	21,646	6.3	31.4	3
Massachusetts	9,494	6,598	16,092	4.7	36.1	4
Virginia	9,626	5,724	15,349	4.5	40.6	5
Ohio	6,163	8,278	14,442	4.2	44.8	6
Florida	7,622	5,774	13,395	3.9	48.7	7
Pennsylvania	5,548	7,600	13,149	3.8	52.6	8
Connecticut	6,981	4,618	11,599	3.4	56.0	9
New Jersey	4,867	5,577	10,444	3.0	59.0	10
Missouri	6,201	3,926	10,127	3.0	62.0	11
Illinois	2,992	6,717	9,710	2.8	64.8	12
Maryland	5,219	3,724	8,943	2.6	67.4	13
Washington	5,099	3,452	8,552	2.5	69.9	14
Michigan	2,480	5,421	7,901	2.3	72.2	15
Indiana	3,199	4,354	7,552	2.2	74.4	16
Georgia	3,561	3,614	7,175	2.1	76.5	17
Arizona	3,544	2,611	6,155	1.8	78.3	18
Colorado	2,774	3,111	5,884	1.7	80.0	19
Minnesota	2,745	2,772	5,517	1.6	81.7	20
North Carolina	1,966	3,446	5,412	1.6	83.2	21
Louisiana	2,085	2,624	4,709	1.4	84.6	22
Alabama	2,196	2,397	4,594	1.3	85.9	23
Wisconsin	1,669	2,868	4,538	1.3	87.3	24
Tennessee	1,328	2,600	3,928	1.1	88.4	25
Mississippi	2,241	1,465	3,706	1.1	89.5	26
Kansas	1,284	1,687	2,971	0.9	90.4	27
Oklahoma	897	1,854	2,750	0.8	91.2	28
South Carolina	805	1,875	2,680	0.8	92.0	29
Kentucky	789	1,650	2,440	0.7	92.7	30
Iowa	1,036	1,323	2,359	0.7	93.4	31

Source: 1991 DEIMS.

**TABLE 3-1**

*Estimated 1991 DoD Purchases by State (Continued)*

State	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of DoD total	Cumulative percentage	Rank
Utah	1,046	1,118	2,164	0.6	94.0	32
Arkansas	858	1,206	2,063	0.6	94.6	33
New Hampshire	891	957	1,848	0.5	95.1	34
New Mexico	903	892	1,795	0.5	95.7	35
Oregon	533	1,236	1,769	0.5	96.2	36
District of Columbia	822	828	1,650	0.5	96.7	37
Maine	817	705	1,522	0.4	97.1	38
Rhode Island	682	731	1,414	0.4	97.5	39
West Virginia	261	1,003	1,264	0.4	97.9	40
Nebraska	383	715	1,098	0.3	98.2	41
Hawaii	633	346	979	0.3	98.5	42
Delaware	212	597	810	0.2	98.7	43
Alaska	479	322	801	0.2	99.0	44
Nevada	349	396	746	0.2	99.2	45
Vermont	295	416	711	0.2	99.4	46
Idaho	135	383	518	0.2	99.5	47
Montana	156	270	427	0.1	99.7	48
North Dakota	200	207	406	0.1	99.8	49
Wyoming	102	305	406	0.1	99.9	50
South Dakota	128	243	372	0.1	100.0	51
Total	174,422	168,084	342,506	100.0	100.0	-

Source: 1991 DEIMS.

We divided a state's defense-related jobs by total nonfarm private-sector payroll employment in 1991 to determine the relative significance of DoD's direct and indirect purchases. Because DoD civilian and uniformed military employees were not included in this analysis, we intentionally excluded governmental workers from each state's tally. As shown in Table 3-2, dependence of nonfarm private-sector payroll employment on defense spending varies markedly among states from a high of 8.3 percent in Connecticut to a low of 1.4 percent in Nevada.

**TABLE 3-2**

*Estimated 1991 Defense-Related Employment by State*

State	Defense-related employment	Total nonfarm, private-sector payroll employment	Defense-related ÷ total (percent)	Rank
Connecticut	112,531	1,348,500	8.3	1
Virginia	165,942	2,250,000	7.4	2
Massachusetts	159,292	2,432,500	6.5	3
California	584,987	10,418,200	5.6	4
Maryland	92,509	1,682,000	5.5	5
Mississippi	38,391	733,000	5.2	6
District of Columbia	19,303	397,100	4.9	7
Missouri	93,528	1,924,400	4.9	8
Arizona	58,406	1,226,400	4.8	9
Colorado	57,667	1,259,900	4.6	10
Washington	78,890	1,759,400	4.5	11
Alaska	7,626	171,600	4.4	12
New Hampshire	17,823	408,500	4.4	13
New Mexico	17,576	431,800	4.1	14
Rhode Island	14,410	362,300	4.0	15
Maine	16,235	417,400	3.9	16
Vermont	7,323	204,800	3.6	17
New Jersey	103,325	2,926,400	3.5	18
Utah	20,793	591,300	3.5	19
Louisiana	43,942	1,282,600	3.4	20
Texas	200,077	5,890,600	3.4	21
New York	217,459	6,439,000	3.4	22
Alabama	41,693	1,306,500	3.2	23
Ohio	126,233	4,084,300	3.1	24
Minnesota	53,699	1,793,100	3.0	25
Florida	131,923	4,414,500	3.0	26
Kansas	25,950	876,000	3.0	27
Indiana	62,683	2,124,900	2.9	28
Pennsylvania	123,252	4,376,500	2.8	29
Georgia	67,057	2,404,700	2.8	30
Oklahoma	24,177	936,300	2.6	31
Hawaii	10,176	429,500	2.4	32
Michigan	72,566	3,243,100	2.2	33
Wyoming	3,261	147,200	2.2	34
Arkansas	16,942	773,000	2.2	35
Iowa	21,756	1,016,200	2.1	36
Wisconsin	41,562	1,944,900	2.1	37
Illinois	92,481	4,454,400	2.1	38
West Virginia	10,189	501,300	2.0	39
North Carolina	50,423	2,570,000	2.0	40
Tennessee	35,724	1,823,300	2.0	41
South Carolina	24,082	1,229,400	2.0	42
Nebraska	11,030	590,700	1.9	43
North Dakota	3,673	205,000	1.8	44

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132 - 149.



**TABLE 3-2***Estimated 1991 Defense-Related Employment by State (Continued)*

State	Defense-related employment	Total nonfarm, private-sector payroll employment	Defense-related ÷ total (percent)	Rank
Delaware	5,236	293,500	1.8	45
Kentucky	20,876	1,204,600	1.7	46
Montana	3,894	231,000	1.7	47
Oregon	16,669	1,024,400	1.6	48
Idaho	4,854	313,600	1.5	49
South Dakota	3,525	233,600	1.5	50
Nevada	7,962	551,400	1.4	51
Total	3,241,582	89,654,600	3.6	-

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132-149.

Table 3-3 shows the states that are projected to lose the most defense-related jobs from 1991 to 1997. We divided the projected change in defense-related jobs by total nonfarm private-sector payroll employment to determine the relative impact each state economy will face as defense spending is curtailed. While the overall decline in jobs is projected to be modest - 1.1 percent of the national total - the impact varies quite dramatically among states. Connecticut faces the most severe impact while defense-related employment in Nevada falls negligibly.

**TABLE 3-3**

*Change in Defense-Related Employment by State: 1991 to 1997*

State	1 1991 defense- related employ- ment	2 1997 defense- related employ- ment	3 Employ- ment change (2-1)	4 1991 nonfarm, private- sector payroll employ- ment	Estimated relative job loss (3 ÷ 4) (percent)	Rank
Connecticut	112,531	75,105	-37,427	1,348,500	-2.8	1
Virginia	165,942	118,461	-47,481	2,250,000	-2.1	2
Massachusetts	159,292	113,636	-45,656	2,432,500	-1.9	3
Mississippi	38,391	25,431	-12,960	733,000	-1.8	4
California	584,987	407,360	-177,627	10,418,200	-1.7	5
Maine	16,235	9,858	-6,377	417,400	-1.5	6
New Hampshire	17,823	11,854	-5,968	408,500	-1.5	7
Arizona	58,406	41,014	-17,393	1,226,400	-1.4	8
Washington	78,890	54,982	-23,907	1,759,400	-1.4	9
Maryland	92,509	69,873	-22,636	1,682,000	-1.3	10
Missouri	93,528	67,862	-25,665	1,924,400	-1.3	11
Vermont	7,323	4,604	-2,719	204,800	-1.3	12
Rhode Island	14,410	10,010	-4,399	362,300	-1.2	13
Colorado	57,667	42,823	-14,844	1,259,900	-1.2	14
Louisiana	43,942	29,455	-14,487	1,282,600	-1.1	15
Indiana	62,683	40,095	-22,589	2,124,900	-1.1	16
New Jersey	103,325	72,863	-30,462	2,926,400	-1.0	17
Utah	20,793	14,846	-5,947	591,300	-1.0	18
New York	217,459	155,925	-61,534	6,439,000	-1.0	19
Texas	200,077	143,951	-56,125	5,890,600	-1.0	20
Ohio	126,233	87,980	-38,253	4,084,300	-0.9	21
New Mexico	17,576	13,536	-4,040	431,800	-0.9	22
Alabama	41,693	29,658	-12,035	1,306,500	-0.9	23
Kansas	25,950	18,043	-7,907	876,000	-0.9	24
Minnesota	53,699	37,940	-15,759	1,793,100	-0.9	25
Pennsylvania	123,252	84,971	-38,281	4,376,500	-0.9	26
District of Columbia	19,303	15,865	-3,438	397,100	-0.9	27
Florida	131,923	93,927	-37,996	4,414,500	-0.9	28
Alaska	7,626	6,334	-1,292	171,600	-0.8	29
Georgia	67,057	48,981	-18,076	2,404,700	-0.8	30
Wisconsin	41,562	27,321	-14,241	1,944,900	-0.7	31
Oklahoma	24,177	17,534	-6,643	936,300	-0.7	32
Michigan	72,566	49,806	-22,761	3,243,100	-0.7	33
Iowa	21,756	14,774	-6,983	1,016,200	-0.7	34
Illinois	92,481	63,886	-28,595	4,454,400	-0.6	35
West Virginia	10,189	7,047	-3,142	501,300	-0.6	36
North Carolina	50,423	35,071	-15,351	2,570,000	-0.6	37
Tennessee	35,724	25,197	-10,526	1,823,300	-0.6	38
Arkansas	16,942	12,491	-4,450	773,000	-0.6	39
South Carolina	24,082	17,010	-7,072	1,229,400	-0.6	40
Wyoming	3,261	2,418	-843	147,200	-0.6	41
Nebraska	11,030	7,960	-3,070	590,700	-0.5	42
Oregon	16,669	11,585	-5,085	1,024,400	-0.5	43
Kentucky	20,876	14,913	-5,963	1,204,600	-0.5	44
Delaware	5,236	3,793	-1,442	293,500	-0.5	45
Idaho	4,854	3,512	-1,341	313,600	-0.4	46

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132-149

**TABLE 3-3**

*Change in Defense-Related Employment by State: 1991 to 1997 (Continued)*

State	1 1991 defense- related employ- ment	2 1997 defense- related employ- ment	3 Employ- ment change (2-1)	4 1991 nonfarm private- sector payroll employ- ment	Estimated relative job loss (3+4) (percent)	Rank
North Dakota	3,673	2,818	-856	205,000	-0.4	47
Montana	3,894	2,987	-907	231,000	-0.4	48
South Dakota	3,525	2,614	-911	233,600	-0.4	49
Hawaii	10,176	8,518	-1,658	429,500	-0.4	50
Nevada	7,962	6,074	-1,888	551,400	-0.3	51
Total	3,241,582	2,284,575	-957,007	89,654,600	-1.1	-

Sources: 1991 DEIMS and BLS, *Employment and Earnings*, Vol. 39, No. 5, May 1992, pp. 132-149.

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## CHAPTER 4

# County Analysis

## DEFENSE CONTRACT ACTION DATA SYSTEM

To identify the impact of defense purchases at locations within states, we performed an analysis based upon the Defense Contract Action Data System. This DoD information system – more commonly referred to as the DD Form 350 data base – captures data about the prime contracts that DoD awards to about 35,000 to 40,000 individual defense suppliers annually.

For prime contract actions greater than \$25,000, the DD Form 350 data base captures the dollar amount of the award, the product or service purchased, and the place of performance among other data that are reported. Because the DD Form 350 data base provides data on DoD purchases of goods and services at levels lower than state, it offers a way to explore the dependence on DoD purchases and potential exposure to reduced defense spending at the county level.<sup>1</sup>

The DD Form 350 data base has limitations. It covers prime contract awards; it does not provide any information on the value and distribution of subcontract awards. Usually 40 to 60 percent of the value of a prime contract award is distributed to subcontractors. To the extent that the subcontractors are in locations different from the prime contractor's place of performance, the DD Form 350 data base will overstate the concentration, and hence the impact, of defense spending in states or counties that primarily receive prime contract awards. Additionally, an analysis of macroeconomic impacts should measure the value of goods and services actually produced in any given year. The prime contract awards reported in the DD Form 350 data base are not equivalent to yearly defense purchases because a contract may be performed over more than 1 year. Finally, the DD Form 350 data base provides historical information only and does not have a mechanism for

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<sup>1</sup>For an alternative method which explores the effects of reduced defense purchases, lower employment of DoD civilian and military workers, and induced effects, see Annex H to the report of the Defense Conversion Commission, *Adjusting to the Drawdown*.

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projecting the magnitude, industry composition, or geographical distribution of future defense prime contract awards.

The data that we used to generate the summary reports in this chapter of the report represent only a small amount of the total information available in DoD's more comprehensive DD Form 350 data base. The data records and elements that we extracted identify prime contract award actions that occurred in FY91, were valued at \$25,000 or more, and were assigned to the 50 states and the District of Columbia.

## 1991 CONTRACT AWARDS

For FY91, our data show 250,212 domestic actions valued collectively at \$122.9 billion (measured in 1991 dollars). An additional \$11.3 billion was spent through actions that were valued at less than \$25,000 and \$12.6 billion was either not assigned to a specific state or was spent outside the United States, yielding \$146.8 billion in total awards in FY91.<sup>2</sup>

The tables in this chapter display data on the product or service being acquired, the contract value, and the contractor's place of performance (state and county). The DD Form 350 data base uses a product service code (PSC) to identify what is being purchased. We developed a crosswalk between PSCs and standard industrial classifications (SICs) (using the older 1972 classification system) so that the DD Form 350 data could be compared to the DEIMS results.

## DD FORM 350 DATA BASE COMPARED TO DEIMS

The data in the DD Form 350 data base are most comparable to DEIMS direct defense purchases; in fact, the DEIMS model relies on historical DD Form 350 data to allocate direct purchases to the states.<sup>3</sup> In 1991, defense purchases of goods and services from the U.S. private-sector totaled \$130 billion according to the DD Form 350 data base and \$174 billion according to the DEIMS model.<sup>4</sup> There are several causes

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<sup>2</sup>Total awards may differ slightly in various published sources due to corrections and updating of the DD Form 350 data base by DoD.

<sup>3</sup>We made this comparison to demonstrate that results from the DEIMS and DD Form 350 data are complementary.

<sup>4</sup>We expressed the value of 1991 defense prime contract awards in 1993 dollars so that they could be compared to the DEIMS estimates.

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for the apparent \$44 billion discrepancy. For example, our DD Form 350 data base did not include actions valued at less than \$25,000 and awards that were not allocated to an individual state. Additionally, the DD Form 350 data base records defense prime contract awards and the DEIMS model estimates defense spending outlays. During a period of declining budgets, awards will decline faster than outlays, so the DD Form 350 data base total in 1991 should be somewhat lower than the DEIMS total. A final significant difference is that the DD Form 350 data base does not report prime contracts for classified (or "special access") programs, while the DEIMS model incorporates spending for these programs into its industry projections.

## MAJOR FINDINGS

Our analysis of the DD Form 350 data supports the DEIMS analysis in Chapters 2 and 3 and reinforces our findings that the economic impacts of defense downsizing are likely to be concentrated in a small number of industry sectors and states. Our DD Form 350 data base analysis also shows that the economic impact of defense purchases is concentrated in relatively few counties.

The DEIMS analysis showed a high concentration of defense purchases in some industry sectors; our analysis of defense prime contract awards also shows a high concentration by SIC. Table 4-1 shows the top 20 industries (by SIC code) with the largest dollar value of prime contract awards in 1991. These 20 industries account for 77 percent of the value of the prime contract awards in the 1991 DD Form 350 data base. The aerospace industry (SICs 3721, 3724, 3728, and 3761) accounts for 31 percent of the dollar value of the prime contract awards. The service industry SICs in Table 4-1 account for 15 percent, and the construction SICs represent an additional 5 percent. Appendix B provides a complete listing of 1991 defense prime contract awards by SIC.

The DEIMS analysis showed that DoD depends upon relatively few states for the goods and services that it purchases from the private sector and that relatively few states in turn depend upon DoD. Table 4-2 compares a ranking of states by the absolute magnitude of prime contract awards received in FY91 with a ranking of states by the DEIMS estimates of direct DoD purchases made in CY91. We observe that the state rankings are similar across the two sets of data. Appendix C provides detailed information on the quantity and value of 1991 defense prime contract awards by state.

**TABLE 4-1**

*Top 20 Industries Receiving the Largest Dollar Value of Prime Contract Awards in 1991*

SIC code	Industry	Value of awards (1993 \$B)	Cumulative percentage of total
3721	Aircraft	17.8	13.7
3761	Guided missiles and space vehicles	14.5	24.8
3662	Radio and TV communication equipment <sup>a</sup>	13.4	35.1
8911	Engineering and architectural services	7.6	41.0
7391	Research and development laboratories	7.1	46.4
3731	Ship building and repairing	6.4	51.3
1542	Nonresidential construction, NEC	4.0	54.4
3728	Aircraft equipment, NEC	4.0	57.5
3724	Aircraft engines and engine parts	3.7	60.3
2911	Petroleum refining	3.4	63.0
4511	Certified air transportation	2.5	64.9
3795	Tanks and tank components	2.5	66.8
3573	Electronic computing equipment	2.3	68.6
3483	Ammunition, except small arms, NEC	2.3	70.4
7374	Data processing services	2.0	72.0
1541	Industrial buildings and warehouses	1.6	73.2
7372	Computer programming and software	1.5	74.3
3679	Electronic components, NEC	1.4	75.4
1629	Heavy construction, NEC	1.3	76.4
8221	Colleges and universities	1.3	77.4

Source: LMI analysis of DD Form 350 data base.

Note: NEC = not elsewhere classified.

<sup>a</sup> Includes search and navigation equipment.

**TABLE 4-2**

*States Ranked by Absolute Magnitude of Defense Purchases in 1991*

State	1993 \$ millions		DD Form 350 data ranking	DEIMS ranking
	DD Form 350 data	DEIMS direct purchases		
California	25,311	38,848	1	1
Texas	10,787	10,549	2	2
New York	7,325	10,727	3	3
Massachusetts	7,318	9,494	4	4
Virginia	7,116	9,626	5	5
Missouri	6,684	6,201	6	11
Florida	5,446	7,622	7	7
Connecticut	5,243	6,981	8	9
Ohio	5,046	6,163	9	6
Maryland	4,293	5,219	10	13
New Jersey	3,779	4,867	11	10
Pennsylvania	3,106	5,548	12	8
Colorado	2,811	2,774	13	19
Arizona	2,660	3,544	14	18
Indiana	2,280	3,199	15	16
Tennessee	2,145	1,328	16	25
Georgia	2,088	3,561	17	17
Alabama	1,926	2,196	18	23
Mississippi	1,884	2,241	19	26
Minnesota	1,878	2,745	20	20
Illinois	1,869	2,992	21	12
Washington	1,863	5,099	22	14
North Carolina	1,628	1,966	23	21
Michigan	1,407	2,480	24	15
Louisiana	1,311	2,085	25	22
District of Columbia	1,177	822	26	37
Maine	1,114	817	27	38
South Carolina	1,019	805	28	29
Wisconsin	1,017	1,669	29	24
Kansas	902	1,284	30	27
Utah	858	1,046	31	32
Oklahoma	819	897	32	28
Hawaii	745	633	33	42
New Mexico	719	903	34	35
Kentucky	612	789	35	30
Alaska	590	479	36	44
Iowa	486	1,036	37	31
New Hampshire	469	891	38	34
Rhode Island	430	682	39	39
Oregon	333	533	40	36
Arkansas	332	858	41	33
Nevada	269	349	42	45

Source: LMI analysis of DD Form 350 data base.



**TABLE 4-2**

*States Ranked by Absolute Magnitude of Defense Purchases in 1991  
(Continued)*

State	1993 \$ millions		DD Form 350 data ranking	DEIMS ranking
	DD Form 350 data	DEIMS direct purchases		
Nebraska	268	383	43	41
North Dakota	158	200	44	49
West Virginia	155	261	45	40
Delaware	140	212	46	43
South Dakota	133	128	47	51
Montana	88	156	48	48
Idaho	84	135	49	47
Vermont	77	295	50	46
Wyoming	68	102	51	50
Total	130,265	174,422	-	-

Source: LMI analysis of DD Form 350 data base.

Table 4-3 compares the relative importance of defense purchases to the states based upon the DD Form 350 data and DEIMS employment estimates. The DD Form 350 data ranking is based upon the ratio of the value of defense prime contract awards received relative to the income earned from all sources by a state's residents in 1991. The DEIMS ranking is based upon the ratio of defense-related jobs to each state's nonfarm private-sector employment in 1991. While the two sets of rankings are similar, the match is not nearly as close as was observed in Table 4-2. This phenomenon occurs because some of the economic impact of a prime contract award "leaks out" as a result of purchases from subcontractors who are located in other states. Consequently, the DD Form 350 data base generally overstates the economic impact of DoD purchases to states that receive large prime contract awards and understates the relative importance of defense purchases to states that perform significant subcontracted defense work.

**TABLE 4-3**

*States Ranked by Relative Impact of Defense Purchases in 1991*

State	Prime contract awards as a percentage of 1991 state personal income	DD Form 350 ranking	DEIMS ranking
District of Columbia	7.7	1	7
Missouri	6.8	2	8
Connecticut	5.8	3	1
Virginia	5.3	4	2
Mississippi	5.1	5	6
Massachusetts	5.0	6	3
Maine	4.9	7	16
Alaska	4.6	8	12
Colorado	4.1	9	10
Arizona	4.0	10	9
California	3.8	11	4
Maryland	3.8	12	5
Texas	3.4	13	21
Utah	3.1	14	19
New Mexico	3.0	15	14
Hawaii	2.9	16	32
Alabama	2.9	17	23
Tennessee	2.5	18	41
Ohio	2.4	19	24
Indiana	2.2	20	28
Rhode Island	2.1	21	15
Minnesota	2.1	22	25
Florida	2.0	23	26
Louisiana	1.9	24	20
Kansas	1.9	25	27
New Hampshire	1.8	26	13
Washington	1.8	27	11
New Jersey	1.8	28	18
South Carolina	1.7	29	42
Georgia	1.7	30	30
New York	1.7	31	22
Oklahoma	1.6	32	31
North Dakota	1.5	33	44
North Carolina	1.4	34	40
Pennsylvania	1.3	35	29
South Dakota	1.1	36	50
Wisconsin	1.1	37	37
Nevada	1.0	38	51
Kentucky	1.0	39	46
Iowa	0.9	40	36
Delaware	0.9	41	45
Arkansas	0.9	42	35
Nebraska	0.9	43	43
Wyoming	0.8	44	34

Sources: LMI analysis of DD Form 350 data base and U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August 1992, pp. 50 - 59.

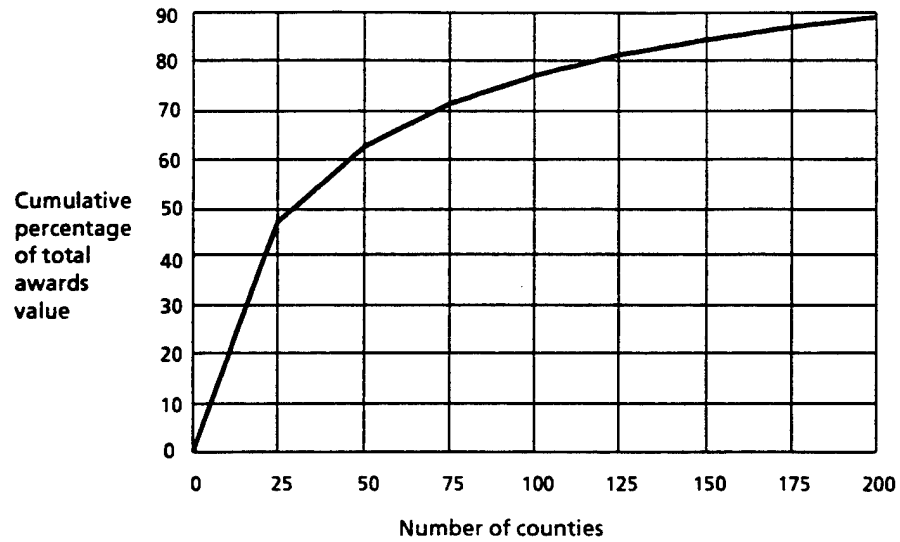
**TABLE 4-3**

*States Ranked by Relative Impact of Defense Purchases in 1991  
(Continued)*

State	Prime contract awards as a percentage of 1991 state personal income	DD Form 350 ranking	DEIMS ranking
Michigan	0.8	45	33
Illinois	0.7	46	38
Vermont	0.7	47	17
Montana	0.7	48	47
Oregon	0.6	49	48
West Virginia	0.6	50	39
Idaho	0.5	51	49

*Source:* LMI analysis of DD Form 350 data base and U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August 1992, pp. 50–59.

Based upon our analysis of the DD Form 350 data, we find that defense prime contract awards are concentrated in a relatively small number of counties. Figure 4-1 displays the cumulative percentage of total award value as a function of the number of counties receiving awards. The 2,103 counties that received at least one prime contract award over \$25,000 in 1991 were ranked in descending order of total value of awards received. The initial steepness of the curve indicates that the value of prime contract awards is highly concentrated with a small number of counties accounting for the major portion of awards. Table 4-4 lists the top 20 counties ranked by highest dollar value of awards. California is heavily represented with 4 of the top 20 counties. Collectively, these four California counties account for 15 percent of the value of the prime contract awards in the 1991 DD Form 350 data base. Other states with a heavy dependence upon DoD purchases include Connecticut with 3 of the top 20 counties (accounting for 3.9 percent of prime contract awards), Texas with 2 (4.9 percent), Massachusetts with 2 (4.8 percent), and Arizona with 2 (1.8 percent). Appendix D is a complete listing of the value of 1991 defense prime contract awards by county.



Source: LMI analysis of DD Form 350 data base.

**Figure 4-1**  
*Concentration of 1991 Prime Contract Awards by County*

**TABLE 4-4**  
*Top 20 Counties Receiving the Largest Dollar Value of Prime Contract Awards in 1991*

County	State	Value of awards (1993 \$ billions)	Cumulative percentage of total awards
Los Angeles	California	10.6	8.2
St. Louis (city)	Missouri	5.7	12.6
Tarrant	Texas	4.0	15.7
Santa Clara	California	3.8	18.6
Middlesex	Massachusetts	3.5	21.2
Nassau	New York	3.3	23.7
Orange	California	2.9	25.9
Essex	Massachusetts	2.7	28.0
San Diego	California	2.5	30.0
Collin	Texas	2.4	31.8
New London	Connecticut	2.4	33.6
Fairfax	Virginia	2.3	35.4
Denver	Colorado	1.9	36.8
Fairfield	Connecticut	1.6	38.1
Hamilton	Ohio	1.4	39.1
Orange	Florida	1.2	40.0
District of Columbia	District of Columbia	1.2	40.9
Pima	Arizona	1.2	41.9
Maricopa	Arizona	1.2	42.7
Hartford	Connecticut	1.1	43.5

Source: LMI analysis of DD Form 350 data base.

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## CHAPTER 5

# Occupational Analysis

## METHODOLOGY

We estimated the occupational composition of private-sector defense-related employment and the occupational composition of defense-related job losses likely to occur between 1991 and 1997.<sup>1</sup> Building upon previous results from our analysis, the private-sector economy was disaggregated into nine sectors, and employment was disaggregated into nine occupations. Initially, we assumed that defense-related employment in each of the nine sectors mirrored non-defense-related employment. Based upon our knowledge of the types of products purchased by DoD, this assumption was tenuous for the manufacturing sector.

Using the BLS industry-occupation matrix for 1990, we tested whether the occupational composition of defense manufacturing was similar to that of the manufacturing work force as a whole. We found that the industry-occupation coefficients for three low-technology industries (i.e., ordnance, ships/boats, and automobiles) were quite similar to the coefficients for manufacturing (and particularly for durable manufacturing). However, the coefficients for five high-technology industries (i.e., missiles, search/navigation equipment, aircraft, communication equipment, and computers) were very different from the manufacturing sector as a whole. Because defense expenditures in high-technology industries are large, our assumption about the occupational composition of the defense manufacturing work force was modified.

In the aggregate, the eight low- and high-technology industries we examined in detail account for a large share of defense-related employment in the manufacturing sector (957,550 out of 1,656,777 jobs, or 57.8 percent). Therefore, it was plausible to use an

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<sup>1</sup>For other analyses of the employment effects of reduced defense spending, see Norman C. Saunders, "Defense Spending in the 1990s – The Effect of Deeper Cuts," *Monthly Labor Review*, October 1990, pp. 3–15 and Douglas J. Braddock, "Scientific and Technical Employment, 1990–2005," *Monthly Labor Review*, February 1992, pp. 28–41.

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employment-weighted average of the industry-occupation coefficients for these eight industries as a proxy for the defense manufacturing sector. We relied upon the BLS industry-occupation matrix for the coefficients of the remaining eight nonmanufacturing sectors.

As shown in Table 5-1, each sector has a unique pattern of occupations characterizing its workers. For example, 24.5 percent of the jobs in defense manufacturing are in the "Precision production, craft, and repair" category and 18.4 percent are "Operators, fabricators, and laborers." In contrast, 4.1 percent of the jobs in services are in the "Precision production, craft, and repair" category and 4.9 percent are "Operators, fabricators, and laborers."

## FINDINGS

Using the industry-occupation coefficients from Table 5-1, the DEIMS employment estimates for 1991 were disaggregated by occupation. As shown in Table 5-2, of approximately 3.2 million private-sector defense-related jobs, 378,433 are categorized as "Executive, administrative, and managerial," 604,951 as "Professional specialty" (predominately engineers and scientists), 205,122 as "Technicians support," and 597,256 as "Precision production, craft, and repair."

The occupational composition of private-sector defense-related jobs can be contrasted with the private sector as a whole. Comparing the line entitled "Composition" in Table 5-2 with the "Private sector" line in Table 5-1, we observe that private-sector defense-related jobs are over-represented in the "Executive, administrative, and managerial," "Professional specialty," "Technicians/support," and "Precision production, crafts, and repair" categories and are under-represented in the "Marketing and sales," "Service occupations," and "Agriculture, forestry, and fishing" categories. This result is mirrored in the last row in Table 5-2, which shows the proportion of private-sector defense-related jobs in each occupational category. While DoD purchases generate 3.4 percent of total private-sector payroll employment, DoD has an above-average share of "Executive," "Professional," "Technicians," and "Precision production" jobs and a below-average share of "Marketing," "Service," and "Agriculture" jobs.

Parallel techniques can be used to estimate occupational defense-related job losses. As shown in Table 5-3, of the nearly 1 million defense-related jobs that DEIMS estimates will be lost between 1991 and 1997, 116,171 are "Executive," 176,885 are "Professional," 64,604 are "Technicians," 193,439 are "Precision production," and 165,225 are

**TABLE 5-2**  
Occupational Distribution of Private-Sector Defense-Related Jobs in 1991

Sector	Occupation										Total (1991)
	Executive, administrative, and managerial	Professional specialty*	Technicians/support	Marketing/sales	Administrative support	Service occupations	Precision production, craft, and repair	Operators, fabricators, and laborers	Agriculture, forestry, and fishing		
Agriculture	370	494	151	168	702	209	371	966	11,028		14,461
Mining	4,920	3,214	1,291	581	4,896	395	15,090	11,200	33		41,619
Construction	15,082	901	688	1,574	12,693	454	69,029	31,304	139		131,863
Defense manufacturing	220,579	345,836	132,372	14,894	201,382	29,996	406,385	305,252	82		1,656,777
Transportation/public utilities	22,985	13,043	12,269	14,290	68,665	9,779	51,778	82,981	265		276,055
Wholesale trade	20,287	3,033	3,887	44,274	44,725	1,709	16,051	32,681	1,526		168,174
Retail trade	928	178	38	5,267	1,190	4,206	745	810	25		13,387
Finance/insurance/real estate	24,118	3,056	1,999	11,576	54,929	5,055	3,653	414	1,410		106,210
Services	69,164	235,197	52,427	23,072	171,262	201,442	34,153	41,178	6,512		834,406
<b>Total</b>	<b>378,433</b>	<b>604,951</b>	<b>205,122</b>	<b>115,695</b>	<b>560,444</b>	<b>253,245</b>	<b>597,256</b>	<b>506,786</b>	<b>21,020</b>		<b>3,242,952</b>
<b>Composition</b>	<b>11.7%</b>	<b>18.7%</b>	<b>6.3%</b>	<b>3.6%</b>	<b>17.3%</b>	<b>7.8%</b>	<b>18.4%</b>	<b>15.6%</b>	<b>0.6%</b>		<b>100.0%</b>
<b>Defense share of private-sector jobs in each occupational category</b>	<b>4.2%</b>	<b>5.1%</b>	<b>6.0%</b>	<b>1.2%</b>	<b>3.2%</b>	<b>1.9%</b>	<b>5.4%</b>	<b>3.3%</b>	<b>0.7%</b>		<b>3.4%</b>

Sources: 1991 DEIMS and Table 5-1 of this report.

\* Predominately engineers and scientists.

A

B

**TABLE 5-1**  
*Distribution of Occupations by Major Employing Sector*  
 (Percent)

Sector	Occupation										Total
	Executive, administrative, and managerial	Professional specialty	Technicians/ support	Marketing/ sales	Administrative support	Service occupations	Precision production, craft, and repair	Operators, fabricators, and laborers	Agriculture, forestry, and fishing		
Agriculture	2.6	3.4	1.0	1.2	4.9	1.4	2.6	6.7	76.3		100.0
Mining	11.8	7.7	3.1	1.4	11.8	0.9	36.3	26.9	0.1		100.0
Construction	11.4	0.7	0.5	1.2	9.6	0.3	52.3	23.7	0.1		100.0
Defense manufacturing <sup>a</sup>	13.3	20.9	8.0	0.9	12.2	1.8	24.5	18.4	0.0		100.0
Transportation/public utilities	8.3	4.7	4.4	5.2	24.9	3.5	18.8	30.1	0.1		100.0
Wholesale trade	12.1	1.8	2.3	26.3	26.6	1.0	9.5	19.4	0.9		100.0
Retail trade	6.9	1.3	0.3	39.3	8.9	31.4	5.6	6.1	0.2		100.0
Finance/insurance/real estate	22.7	2.9	1.9	10.9	51.7	4.8	3.4	0.4	1.3		100.0
Services	8.3	28.2	6.3	2.8	20.5	24.1	4.1	4.9	0.8		100.0
Private sector	9.5	12.6	3.6	10.1	18.7	14.1	11.7	16.5	3.2		100.0

Source: BLS, *Outlook: 1990-2005, Industry-Occupation Matrices* (data diskette), May 1992.  
<sup>a</sup> LMI estimate.

A B



TABLE 5-3  
Defense-Related Job Losses by Occupation: 1991 to 1997

Sector	Occupation										Total (1991 - 1997)
	Executive, administrative, and managerial	Professional specialty <sup>a</sup>	Technicians/ support	Marketing/ sales	Administrative support	Service occupations	Precision production, craft, and repair	Operators, fabricators, and laborers	Agriculture, forestry, and fishing	Total	
Agriculture	-115	-153	-47	-52	-217	-65	-115	-299	-3,414	-4,476	
Mining	-1,627	-1,062	-427	-192	-1,619	-131	-4,989	-3,703	-11	-13,760	
Construction	-1,753	-105	-80	-183	-1,475	-53	-8,023	-3,638	-16	-15,326	
Defense manufacturing	-82,613	-129,525	-49,577	-5,578	-75,423	-11,234	-152,202	-114,325	-31	-620,508	
Transportation/public utilities	-7,620	-4,324	-4,067	-4,737	-22,763	-3,242	-17,164	-27,508	-88	-91,513	
Wholesale trade	-5,220	-781	-1,000	-11,393	-11,509	-440	-4,130	-8,410	-393	-43,276	
Retail trade	-239	-46	-10	-1,355	-306	-1,082	-192	-209	-6	-3,445	
Finance/insurance/real estate	-5,153	-653	-427	-2,473	-11,737	-1,080	-781	-88	-301	-22,694	
Services	-11,832	-40,237	-8,969	-3,947	-29,299	-34,462	-5,843	-7,045	-1,114	-142,747	
Total	-116,171	-176,885	-64,604	-29,911	-154,348	-51,788	-193,439	-165,225	-5,374	-957,745	
Composition	12.1%	18.5%	6.7%	3.1%	16.1%	5.4%	20.2%	17.3%	0.6%	100.0%	
Defense jobs lost relative to private sector	-1.3%	-1.5%	-1.9%	-0.3%	-0.9%	-0.4%	-1.8%	-1.1%	-0.2%	-1.0%	

Sources: 1991 DEIMS and Table 5-1 of this report.  
<sup>a</sup> Predominately engineers and scientists.

B

A

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"Operators." The row in Table 5-3 entitled "Defense jobs lost relative to private sector" demonstrates that while defense downsizing will eliminate approximately 1 percent of total private-sector payroll employment, those five occupations will absorb above-average reductions.

Because industries that produce goods and services for DoD employ relatively large proportions of people in these five occupations, defense workers who lose their jobs may have some difficulty finding reemployment. Those who lose "Executive," "Professional specialty," and "Technicians" jobs may have a relatively less difficult time because employment in these three occupations is expected by the BLS to increase between 1990 and 2005 by 27.4 percent, 32.3 percent, and 36.9 percent, respectively. Conversely, those who lose "Precision production" and "Operators" jobs may have a significantly more difficult time because employment in these two occupations is projected by the BLS to increase during the same time frame by only 12.6 percent and 4.2 percent, respectively.<sup>2</sup>

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<sup>2</sup>George Silvestri and John Lakasiewicz, "Occupational employment projections," *Outlook: 1990 - 2005* (BLS Bulletin 2402), May 1992, pp. 62 - 65.

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APPENDIX A

# Estimated 1991 DoD Purchases by Industry

**TABLE A-1**

*Estimated 1991 DoD Purchases by Industry*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
333	Communication/search and navigation equipment	32,650	5,784	38,434	11.0	11.0	1
406	Other business services, NEC	14,582	3,112	17,694	5.1	16.1	2
351	Aircraft	17,121	70	17,191	4.9	21.1	3
50	Complete guided missiles	15,910	33	15,943	4.6	25.6	4
353	Aircraft/missile parts and equipment, NEC	6,357	5,718	12,075	3.5	29.1	5
392	Wholesale trade	1,253	9,375	10,628	3.1	32.2	6
354	Shipbuilding and repairing	9,085	96	9,181	2.6	34.8	7
398	Real estate operators, owners, and lessors	920	8,058	8,978	2.6	37.4	8
403	Computer and data processing	1,383	7,028	8,411	2.4	39.8	9
352	Aircraft/missile engines and parts	4,925	2,395	7,320	2.1	41.9	10
413	Engineering, architecture, and surveying	3,413	2,330	5,743	1.6	43.6	11
389	Electric utilities	1,777	3,718	5,495	1.6	45.1	12
340	Electronic components, NEC	694	4,796	5,490	1.6	46.7	13
188	Petroleum refining	2,678	2,688	5,366	1.5	48.3	14
49	Maintenance and repair construction, public	5,115	142	5,257	1.5	49.8	15
168	Inorganic and organic chemicals	1,349	3,438	4,787	1.4	51.1	16
223	Blast furnaces and steel mills	34	4,656	4,690	1.3	52.5	17
404	Management, consulting, and labs	1,517	2,871	4,388	1.3	53.7	18
19	Crude petroleum	0	4,311	4,311	1.2	55.0	19
382	Motor freight	1,671	2,450	4,121	1.2	56.2	20
415	Eating and drinking places	493	3,612	4,105	1.2	57.3	21
384	Air carriers and related services	1,742	2,351	4,093	1.2	58.5	22
335	Semiconductors	204	3,879	4,083	1.2	59.7	23
405	Equipment rental and leasing	1,411	2,465	3,876	1.1	60.8	24
197	Miscellaneous plastic products	4	3,651	3,655	1.1	61.9	25
51	Ammunition, except small arms, NEC	3,558	65	3,623	1.0	62.9	26
387	Communications, except radio and TV	1,032	2,459	3,491	1.0	63.9	27
361	Engineering and scientific instruments	3,133	115	3,248	0.9	64.8	28
303	Electronic computing equipment	2,677	461	3,138	0.9	65.7	29
424	Educational services	3,002	129	3,131	0.9	66.6	30
394	Banking	0	2,850	2,850	0.8	67.5	31
48	Maintenance and repair, private nonresidential	0	2,809	2,809	0.8	68.3	32
383	Water transportation and related services	1,835	895	2,730	0.8	69.0	33
52	Tanks and tank components	1,693	992	2,685	0.8	69.8	34
399	Hotels and lodging places	1,090	1,492	2,582	0.7	70.6	35
390	Gas utilities	417	2,016	2,433	0.7	71.3	36

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
312	Electric measuring instruments	1,407	584	1,991	0.6	71.8	37
412	Legal services	11	1,769	1,780	0.5	72.3	38
302	Miscellaneous machinery	18	1,751	1,769	0.5	72.9	39
350	Motor vehicle parts and accessories	919	838	1,757	0.5	73.4	40
362	Measuring and control instruments	1,243	482	1,725	0.5	73.9	41
178	Plastic materials and resins	0	1,638	1,638	0.5	74.3	42
396	Insurance carriers and agents	2	1,583	1,585	0.5	74.8	43
253	Fabricated plate work (boilershop)	1,382	181	1,563	0.4	75.2	44
55	Guns, howitzers, mortars, etc.	1,279	241	1,520	0.4	75.7	45
284	Special dies, tools, and accessories	253	1,265	1,518	0.4	76.1	46
349	Other motor vehicles	1,494	13	1,507	0.4	76.5	47
414	Accounting, auditing, and miscellaneous professional	29	1,367	1,396	0.4	76.9	48
281	Industrial trucks and tractors	1,228	120	1,348	0.4	77.3	49
239	Aluminum rolling and drawing	0	1,325	1,325	0.4	77.7	50
53	Small arms	1,233	53	1,286	0.4	78.1	51
257	Screw machine products	360	924	1,284	0.4	78.4	52
425	Nonprofit organizations	880	400	1,280	0.4	78.8	53
380	Railroads and rail-related services	502	759	1,261	0.4	79.2	54
315	Motors and generators	649	609	1,258	0.4	79.5	55
272	Internal combustion engines, NEC	675	579	1,254	0.4	79.9	56
417	Auto repair, parking, and washing	15	1,176	1,191	0.3	80.2	57
20	Natural gas	0	1,168	1,168	0.3	80.6	58
241	Nonferrous wire drawing and insulating	0	1,164	1,164	0.3	80.9	59
27	New industrial buildings	1,085	0	1,085	0.3	81.2	60
363	Surgical and medical instruments	1,045	16	1,061	0.3	81.5	61
28	New office buildings	1,051	0	1,051	0.3	81.8	62
23	New residential single family housing	1,022	0	1,022	0.3	82.1	63
416	Auto rental and leasing	145	874	1,019	0.3	82.4	64
402	Personnel supply services	0	1,011	1,011	0.3	82.7	65
18	Coal mining	0	956	956	0.3	83.0	66
235	Primary aluminum	0	903	903	0.3	83.2	67
145	Paper mills, except building paper	17	843	860	0.2	83.5	68
395	Credit agencies and securities brokers	0	858	858	0.2	83.7	69
367	Optical instruments and lenses	547	307	854	0.2	84.0	70

Source: 1991 Defense Economic Impact Modeling System (DEIMS)

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

**TABLE A-1**

*Estimated 1991 DoD Purchases by Industry (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
411	Other advertising (including signs/direct mail)	1	850	851	0.2	84.2	71
275	Construction machinery	424	425	849	0.2	84.5	72
232	Primary copper	0	847	847	0.2	84.7	73
393	Retail trade	190	656	846	0.2	84.9	74
339	Connectors, for electronic applications	0	835	835	0.2	85.2	75
282	Machine tools, metal cutting	666	157	823	0.2	85.4	76
155	Paperboard containers and boxes	39	783	822	0.2	85.7	77
238	Copper rolling and drawing	209	610	819	0.2	85.9	78
391	Water and sewer services	99	697	796	0.2	86.1	79
259	Other metal stampings	0	777	777	0.2	86.3	80
369	Photographic equipment and supplies	339	399	738	0.2	86.6	81
228	Iron and steel foundries	0	736	736	0.2	86.8	82
300	General industrial machinery, NEC	612	112	724	0.2	87.0	83
264	Plating and polishing	0	657	657	0.2	87.2	84
407	Newspaper (national, local, classified)	0	656	656	0.2	87.4	85
332	Telephone and telegraph equipment	468	187	655	0.2	87.5	86
56	Meat packing plants	452	199	651	0.2	87.7	87
268	Pipe, valves, and pipe fittings	75	558	633	0.2	87.9	88
364	Surgical appliances and supplies	532	96	628	0.2	88.1	89
294	Pumps and compressors	216	403	619	0.2	88.3	90
161	Commercial printing	25	573	598	0.2	88.4	91
3	Livestock	0	592	592	0.2	88.6	92
104	Broadwoven fabric plants	48	542	590	0.2	88.8	93
271	Steam engines and turbines	406	174	580	0.2	89.0	94
242	Aluminum castings	0	570	570	0.2	89.1	95
298	Power transmission equipment	87	471	558	0.2	89.3	96
381	Passenger transportation, NEC	50	504	554	0.2	89.4	97
196	Fabricated rubber products, NEC	71	479	550	0.2	89.6	98
254	Sheet metal work	0	543	543	0.2	89.7	99
229	Iron and steel forgings	123	396	519	0.1	89.9	100
116	Fabricated textile products, NEC	328	190	518	0.1	90.0	101
316	Industrial controls	29	489	518	0.1	90.2	102
187	Paints and allied products	0	512	512	0.1	90.3	103
400	Miscellaneous personal services, NEC	2	510	512	0.1	90.5	104
146	Paperboard mills	4	494	498	0.1	90.6	105
337	Resistors, for electronic applications	221	272	493	0.1	90.8	106
295	Ball and roller bearings	35	450	485	0.1	90.9	107

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

TABLE A-1

## Estimated 1991 DoD Purchases by Industry (Continued)

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
21	Stone/clay mining and quarrying	0	464	464	0.1	91.0	108
270	Fabricated metal products, NEC	4	458	462	0.1	91.2	109
251	Fabricated structural metal	9	444	453	0.1	91.3	110
329	Wiring devices	58	393	451	0.1	91.4	111
336	Electronic capacitors	61	375	436	0.1	91.6	112
418	Motion pictures	137	289	426	0.1	91.7	113
117	Logging camps and contractors	0	422	422	0.1	91.8	114
162	Manifold business forms	15	401	416	0.1	91.9	115
189	Lubricating oils and greases	0	409	409	0.1	92.0	116
314	Switchgear and switchboard	37	369	406	0.1	92.2	117
205	Glass and glass products, except containers	2	392	394	0.1	92.3	118
47	Maintenance and repair, residential	0	393	393	0.1	92.4	119
193	Tires and inner tubes	242	147	389	0.1	92.5	120
177	Chemical preparations, NEC	12	375	387	0.1	92.6	121
266	Miscellaneous fabricated wire products	5	378	383	0.1	92.7	122
345	Electrical equipment, NEC	361	17	378	0.1	92.8	123
16	Copper ore mining	0	375	375	0.1	92.9	124
240	Nonferrous rolling and drawing, NEC	4	365	369	0.1	93.0	125
265	Metal coating and allied services	0	369	369	0.1	93.1	126
409	TV advertising (network, spot, local)	0	363	363	0.1	93.3	127
338	Electronic coils, transformers, and other inductors	0	361	361	0.1	93.4	128
174	Explosives	280	77	357	0.1	93.5	129
173	Adhesives and sealants	206	150	356	0.1	93.6	130
245	Nonferrous forgings	0	348	348	0.1	93.7	131
385	Pipelines, except natural gas	0	345	345	0.1	93.8	132
309	Refrigeration and heating equipment	80	262	342	0.1	93.9	133
114	Apparel from purchased material	230	105	335	0.1	94.0	134
320	Household cooking equipment	314	4	318	0.1	94.0	135
12	Forestry products	171	146	317	0.1	94.1	136
322	Household laundry equipment	314	2	316	0.1	94.2	137
14	Agricultural, forest, and fish services	0	315	315	0.1	94.3	138
321	Household refrigerators and freezers	314	1	315	0.1	94.4	139
118	Sawmills and planing mills, general	0	309	309	0.1	94.5	140
17	Metal ores mining, NEC	1	293	294	0.1	94.6	141
54	Small arms ammunition	281	8	289	0.1	94.7	142

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

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TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
263	Hardware, NEC	0	286	286	0.1	94.7	143
40	New highways and streets	285	0	285	0.1	94.8	144
366	Watches and clocks	80	193	273	0.1	94.9	145
213	Ready-mixed concrete	0	264	264	0.1	95.0	146
217	Abrasive products	0	255	255	0.1	95.1	147
379	Miscellaneous manufactured durable goods	111	144	255	0.1	95.1	148
256	Miscellaneous metal work	1	252	253	0.1	95.2	149
419	Amusement and recreation services	94	155	249	0.1	95.3	150
334	Electron tubes/printed circuit boards	43	200	243	0.1	95.3	151
15	Iron and ferroalloy ores mining	0	229	229	0.1	95.4	152
423	Other medical services	206	23	229	0.1	95.5	153
330	Radio and TV receiving sets	103	125	228	0.1	95.5	154
386	Transportation services, NEC	38	188	226	0.1	95.6	155
64	Fluid milk	135	78	213	0.1	95.7	156
344	Engine electrical equipment	10	202	212	0.1	95.7	157
408	Magazine advertising	0	210	210	0.1	95.8	158
283	Machine tools, metal forming	130	71	201	0.1	95.8	159
191	Paving mixtures and blocks	0	200	200	0.1	95.9	160
6	Feed grains and grass seed	0	195	195	0.1	96.0	161
150	Paper coating and glazing	24	164	188	0.1	96.0	162
244	Nonferrous castings, NEC	0	188	188	0.1	96.1	163
231	Primary metal products, NEC	0	185	185	0.1	96.1	164
25	New residential additions and alterations	183	0	183	0.1	96.2	165
319	Electric industrial apparatus, NEC	28	154	182	0.1	96.2	166
313	Transformers	16	163	179	0.1	96.3	167
79	Bread, cake, and related products	98	80	178	0.1	96.3	168
236	Primary nonferrous metals, NEC	0	178	178	0.1	96.4	169
296	Blowers and fans	14	164	178	0.1	96.4	170
258	Automotive stampings	0	177	177	0.1	96.5	171
230	Metal heat treating	0	176	176	0.1	96.5	172
181	Organic fibers, noncellulosic	0	173	173	0.0	96.6	173
328	Lighting fixtures	34	134	168	0.0	96.6	174
306	Office machines, NEC	160	7	167	0.0	96.7	175
44	New military facilities	164	0	164	0.0	96.7	176
144	Pulp mills	0	158	158	0.0	96.8	177
293	Special industry machinery, NEC	45	109	154	0.0	96.8	178
76	Prepared feed, NEC	0	153	153	0.0	96.9	179
160	Miscellaneous publishing	3	149	152	0.0	96.9	180
346	Truck and bus bodies	141	9	150	0.0	96.9	181
410	Radio advertising	0	149	149	0.0	97.0	182
1	Dairy farm products	0	144	144	0.0	97.0	183
179	Synthetic rubber	0	144	144	0.0	97.1	184

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC = not elsewhere classified.

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TABLE A-1

## Estimated 1991 DoD Purchases by Industry (Continued)

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
89	Bottled and canned soft drinks	57	85	142	0.0	97.1	185
224	Electrometallurgical products	0	140	140	0.0	97.2	186
318	Carbon and graphite products	5	134	139	0.0	97.2	187
285	Power-driven hand tools	101	36	137	0.0	97.2	188
287	Metalworking machines, NEC	99	38	137	0.0	97.3	189
70	Fresh or frozen packaged fish	81	52	133	0.0	97.3	190
182	Drugs	10	122	132	0.0	97.3	191
106	Yarn mills and textile finishing	1	126	127	0.0	97.4	192
111	Textile goods, NEC	40	85	125	0.0	97.4	193
376	Office and artists' materials	42	82	124	0.0	97.5	194
234	Primary zinc	0	123	123	0.0	97.5	195
246	Metal cans	0	123	123	0.0	97.5	196
212	Concrete products, NEC	0	122	122	0.0	97.6	197
2	Poultry and eggs	23	98	121	0.0	97.6	198
99	Food preparations, NEC	61	59	120	0.0	97.6	199
218	Asbestos products and sealing devices	16	104	120	0.0	97.7	200
129	Wood products, NEC	0	118	118	0.0	97.7	201
261	Hand and edge tools, NEC	0	116	116	0.0	97.7	202
58	Poultry dressing plants	58	57	115	0.0	97.8	203
157	Periodicals	0	113	113	0.0	97.8	204
63	Ice cream and frozen desserts	91	21	112	0.0	97.8	205
123	Veneer and plywood	0	112	112	0.0	97.9	206
147	Envelopes	14	98	112	0.0	97.9	207
171	Agricultural chemical, NEC	0	108	108	0.0	97.9	208
348	Automobiles	102	6	108	0.0	98.0	209
61	Cheese, natural and processed	56	49	105	0.0	98.0	210
152	Die-cut paper and board	30	74	104	0.0	98.0	211
121	Millwork	0	103	103	0.0	98.0	212
169	Fertilizers	0	103	103	0.0	98.1	213
210	Porcelain plumbing and electrical supply	0	103	103	0.0	98.1	214
355	Boatbuilding and repairing	81	22	103	0.0	98.1	215
220	Mineral wool	0	102	102	0.0	98.2	216
280	Hoists, cranes, and monorails	75	24	99	0.0	98.2	217
243	Brass, bronze, and copper castings	24	74	98	0.0	98.2	218
198	Hose and belting	2	94	96	0.0	98.2	219
207	Cement, hydraulic	0	96	96	0.0	98.3	220
9	Vegetables	50	45	95	0.0	98.3	221
22	Chemical and fertilizer mineral mining	0	95	95	0.0	98.3	222
151	Bags, except textile bags	5	90	95	0.0	98.4	223
67	Canned fruits and vegetables	58	35	93	0.0	98.4	224
148	Sanitary paper products	36	57	93	0.0	98.4	225
311	Service industry machines, NEC	63	28	91	0.0	98.4	226
185	Surface active agents	0	90	90	0.0	98.5	227

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC = not elsewhere classified.

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**TABLE A-1**

*Estimated 1991 DoD Purchases by Industry (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
88	Distilled liquor, except brandy	0	88	88	0.0	98.5	228
279	Conveyors and conveying equipment	30	57	87	0.0	98.5	229
71	Frozen fruits and vegetables	49	35	84	0.0	98.5	230
342	Primary batteries, dry and wet	61	23	84	0.0	98.6	231
222	Nonmetallic mineral products, NEC	0	82	82	0.0	98.6	232
109	Miscellaneous textile products	2	77	79	0.0	98.6	233
183	Soap and other detergents	0	79	79	0.0	98.6	234
85	Malt liquors	0	78	78	0.0	98.7	235
13	Fishery products	0	77	77	0.0	98.7	236
273	Farm machinery	1	76	77	0.0	98.7	237
143	Furniture and fixtures, NEC	0	76	76	0.0	98.7	238
190	Production of petroleum and coal, NEC	32	44	76	0.0	98.7	239
38	New water supply facilities	75	0	75	0.0	98.8	240
46	New construction, NEC	75	0	75	0.0	98.8	241
158	Book publishing	0	75	75	0.0	98.8	242
356	Railroad equipment	16	59	75	0.0	98.8	243
252	Metal doors, sash, and trims	0	74	74	0.0	98.8	244
301	Carburetors, pistons, and rings	16	58	74	0.0	98.9	245
72	Flour and other grain mill products	38	35	73	0.0	98.9	246
341	Storage batteries	47	26	73	0.0	98.9	247
163	Blank books and looseleaf binder	0	72	72	0.0	98.9	248
92	Soybean oil mills	0	71	71	0.0	99.0	249
128	Particleboard	0	69	69	0.0	99.0	250
96	Shortening and cooking oils	30	38	68	0.0	99.0	251
115	House furnishings	34	34	68	0.0	99.0	252
317	Welding apparatus	3	64	67	0.0	99.0	253
90	Flavoring extracts and syrups, NEC	30	36	66	0.0	99.1	254
327	Electric lamps	13	53	66	0.0	99.1	255
11	Oil bearing crops	0	65	65	0.0	99.1	256
57	Other prepared meats	0	64	64	0.0	99.1	257
130	Wooden containers	0	64	64	0.0	99.1	258
133	Wood TV and radio cabinets	0	64	64	0.0	99.1	259
219	Minerals, ground or treated	0	63	63	0.0	99.2	260
105	Narrow fabric mills	23	38	61	0.0	99.2	261
95	Roasted coffee	33	26	59	0.0	99.2	262
127	Wood pallets and skids	0	59	59	0.0	99.2	263
62	Condensed and evaporated milk	21	36	57	0.0	99.2	264
167	Printing trade services	0	56	56	0.0	99.2	265
175	Printing ink	0	56	56	0.0	99.3	266
208	Structural clay products	0	56	56	0.0	99.3	267
297	Industrial patterns	0	55	55	0.0	99.3	268

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

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TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
154	Stationery and miscellaneous paper products	0	54	54	0.0	99.3	269
69	Pickles, sauces, and salad dressing	28	23	51	0.0	99.3	270
126	Nonclay refractories	0	50	50	0.0	99.3	271
221	Mining machinery, except oil	0	50	50	0.0	99.4	272
276	Social services, NEC	0	49	49	0.0	99.4	273
426	Knit fabric mills	0	49	49	0.0	99.4	274
113	Sugar	0	48	48	0.0	99.4	275
81	Wet corn milling	4	43	47	0.0	99.4	276
78	Hardwood dimension and flooring	0	46	46	0.0	99.4	277
119	Metal foil and leaf	0	45	45	0.0	99.4	278
269	Polishes and sanitation goods	0	45	45	0.0	99.4	279
184	Ophthalmic goods	0	43	43	0.0	99.5	280
368	Doctors and dentists	31	12	43	0.0	99.5	281
420	Household furniture, NEC	23	19	42	0.0	99.5	282
132	Asphalt felts and coatings	0	41	41	0.0	99.5	283
192	Hospitals	0	41	41	0.0	99.5	284
421	Lime	40	0	40	0.0	99.5	285
214	Truck trailers	0	39	39	0.0	99.5	286
347	Architectural metal work	37	2	39	0.0	99.5	287
255	Metal barrels, drums, and pails	0	38	38	0.0	99.5	288
247	Lawn and garden equipment	4	33	37	0.0	99.6	289
274	Cotton	0	37	37	0.0	99.6	290
4	Wines, brandy, and brandy spirits	0	35	35	0.0	99.6	291
87	Wood kitchen cabinets	0	35	35	0.0	99.6	292
122	Book printing	0	35	35	0.0	99.6	293
159	Glass containers	0	35	35	0.0	99.6	294
206	Leather tanning and finishing	0	34	34	0.0	99.6	295
199	Confectionery products	2	31	33	0.0	99.6	296
82	Miscellaneous crops	18	14	32	0.0	99.6	297
10	Hand saws and saw blades	0	31	31	0.0	99.7	298
262	Printing trades machinery	0	31	31	0.0	99.7	299
292	Floor coverings	3	27	30	0.0	99.7	300
108	Tire cord and fabric	14	15	29	0.0	99.7	301
110	Cellulosic man-made fibers	0	29	29	0.0	99.7	302
180	Plumbing fittings and trim	0	29	29	0.0	99.7	303
249	Measuring and dispensing pumps	0	28	28	0.0	99.7	304
310	Poultry and egg processing	25	3	28	0.0	99.7	305
59	Fruits and nuts	9	18	27	0.0	99.7	306
8	Creamery butter	11	15	26	0.0	99.7	307
60	Motorcycles, bicycles, and parts	19	7	26	0.0	99.7	308
357	Toys and sporting goods	4	22	26	0.0	99.7	309
375		9	17	26	0.0	99.7	310

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

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**TABLE A-1**

*Estimated 1991 DoD Purchases by Industry (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
250	Heating equipment, except electric	1	24	25	0.0	99.8	311
288	Food products machinery	6	18	24	0.0	99.8	312
378	Brooms and hard surface floor coverings	0	24	24	0.0	99.8	313
125	Prefabricated wood structures	0	23	23	0.0	99.8	314
211	Concrete block and brick	0	23	23	0.0	99.8	315
80	Cookies and crackers	10	12	22	0.0	99.8	316
94	Animal and marine fats and oils	0	22	22	0.0	99.8	317
172	Gum and wood chemicals	0	22	22	0.0	99.8	318
165	Engraving and plate printing	0	21	21	0.0	99.8	319
176	Carbon black	0	21	21	0.0	99.8	320
215	Gypsum products	0	21	21	0.0	99.8	321
225	Steel wire and related products	11	10	21	0.0	99.8	322
233	Primary lead	0	21	21	0.0	99.8	323
291	Paper industries machinery	0	21	21	0.0	99.8	324
65	Canned and cured seafoods	13	7	20	0.0	99.8	325
124	Structural wood members, NEC	0	20	20	0.0	99.8	326
139	Public building furniture	0	20	20	0.0	99.9	327
93	Vegetable oil mills, NEC	0	19	19	0.0	99.9	328
204	Leather goods, NEC	11	8	19	0.0	99.9	329
286	Rolling mill machinery	0	19	19	0.0	99.9	330
304	Calculating and accounting machines	19	0	19	0.0	99.9	331
5	Food grains	0	18	18	0.0	99.9	332
68	Dehydrated food products	9	9	18	0.0	99.9	333
216	Cut stone and stone products	0	18	18	0.0	99.9	334
74	Blended and prepared flour	11	5	16	0.0	99.9	335
278	Elevators and moving stairways	0	16	16	0.0	99.9	336
267	Steel springs	0	14	14	0.0	99.9	337
308	Commercial laundry equipment	14	0	14	0.0	99.9	338
140	Wood partitions and fixtures	0	13	13	0.0	99.9	339
166	Bookbinding and related work	0	12	12	0.0	99.9	340
203	Luggage	6	6	12	0.0	99.9	341
326	Household appliances, NEC	3	9	12	0.0	99.9	342
360	Transportation equipment, NEC	0	12	12	0.0	99.9	343
370	Jewelry, precious metal	1	11	12	0.0	99.9	344
371	Jewelers materials	2	10	12	0.0	99.9	345
377	Miscellaneous notions	1	11	12	0.0	99.9	346
66	Canned specialties	8	3	11	0.0	99.9	347
248	Metal sanitary ware	0	11	11	0.0	99.9	348
107	Thread mills	1	9	10	0.0	99.9	349
289	Textile machinery	0	10	10	0.0	99.9	350
372	Silverware and plated ware	8	2	10	0.0	100.0	351

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

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TABLE A-1

*Estimated 1991 DoD Purchases by Industry (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
323	Electric housewares and fans	1	8	9	0.0	100.0	352
365	Dental equipment and supplies	8	1	9	0.0	100.0	353
75	Pet food	0	8	8	0.0	100.0	354
83	Chocolate and cocoa products	3	5	8	0.0	100.0	355
343	X-ray apparatus and tubes	3	5	8	0.0	100.0	356
120	Special product sawmills, NEC	0	7	7	0.0	100.0	357
260	Cutlery	0	7	7	0.0	100.0	358
277	Oil field machinery	1	6	7	0.0	100.0	359
299	Industrial furnaces and ovens	0	7	7	0.0	100.0	360
77	Rice milling	2	4	6	0.0	100.0	361
91	Cottonseed oil mills	0	6	6	0.0	100.0	362
98	Macaroni and spaghetti	4	2	6	0.0	100.0	363
325	Sewing machines	1	5	6	0.0	100.0	364
97	Manufactured ice	3	2	5	0.0	100.0	365
149	Building paper and board mills	0	5	5	0.0	100.0	366
186	Toilet preparations	0	5	5	0.0	100.0	367
209	Kitchen pottery products	0	5	5	0.0	100.0	368
388	Radio and TV broadcasting	0	5	5	0.0	100.0	369
73	Cereal preparations	3	1	4	0.0	100.0	370
138	Metal office furniture	4	0	4	0.0	100.0	371
141	Metal partitions and fixtures	2	2	4	0.0	100.0	372
201	Footwear, NEC	4	0	4	0.0	100.0	373
307	Automatic merchandising machines	0	4	4	0.0	100.0	374
331	Phonograph records and tape	1	3	4	0.0	100.0	375
373	Costume jewelry	0	4	4	0.0	100.0	376
86	Malt	0	3	3	0.0	100.0	377
153	Pressed and molded pulp goods	0	3	3	0.0	100.0	378
374	Musical instruments and parts	1	2	3	0.0	100.0	379
84	Chewing gum	0	2	2	0.0	100.0	380
135	Metal household furniture	0	2	2	0.0	100.0	381
156	Newspapers	0	2	2	0.0	100.0	382
195	Reclaimed rubber	0	2	2	0.0	100.0	383
202	Leather gloves and mittens	2	0	2	0.0	100.0	384
324	Household vacuum cleaners	0	2	2	0.0	100.0	385
164	Greeting card publishing	0	1	1	0.0	100.0	386
200	Footwear cut stock	0	1	1	0.0	100.0	387
290	Woodworking machinery	0	1	1	0.0	100.0	388
358	Travel trailers and campers	0	1	1	0.0	100.0	389
7	Tobacco	0	0	0	0.0	100.0	390
24	New residential multi-family housing	0	0	0	0.0	100.0	391
26	New hotels, motels, and dormitories	0	0	0	0.0	100.0	392
29	New commercial buildings, except office	0	0	0	0.0	100.0	393
30	New religious buildings	0	0	0	0.0	100.0	394
31	New educational buildings	0	0	0	0.0	100.0	395

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

**TABLE A-1**

*Estimated 1991 DoD Purchases by Industry (Continued)*

DEIMS	Industry <sup>a</sup>	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)	Rank
32	New hospital and institutional buildings	0	0	0	0.0	100.0	396
33	New telephone and telegraph facilities	0	0	0	0.0	100.0	397
34	New railroads	0	0	0	0.0	100.0	398
35	New electric utility facilities	0	0	0	0.0	100.0	399
36	New gas utility facilities	0	0	0	0.0	100.0	400
37	New petroleum pipelines	0	0	0	0.0	100.0	401
39	New sewer facilities	0	0	0	0.0	100.0	402
41	New farm service facilities	0	0	0	0.0	100.0	403
42	New petroleum and natural gas drilling	0	0	0	0.0	100.0	404
43	Explosive and solid access structures	0	0	0	0.0	100.0	405
45	New conservation and development facilities	0	0	0	0.0	100.0	406
100	Cigarettes	0	0	0	0.0	100.0	407
101	Cigars	0	0	0	0.0	100.0	408
102	Chewing and smoking tobacco	0	0	0	0.0	100.0	409
103	Tobacco steaming and redrying	0	0	0	0.0	100.0	410
112	Hosiery and knit goods	0	0	0	0.0	100.0	411
131	Wood household furniture	0	0	0	0.0	100.0	412
134	Upholstered household furniture	0	0	0	0.0	100.0	413
136	Mattresses and bedsprings	0	0	0	0.0	100.0	414
137	Wood office furniture	0	0	0	0.0	100.0	415
142	Venetian blinds and shades	0	0	0	0.0	100.0	416
170	Fertilizers, mixing only	0	0	0	0.0	100.0	417
194	Rubber and plastics footwear	0	0	0	0.0	100.0	418
226	Cold finishing, steel shapes	0	0	0	0.0	100.0	419
227	Steel pipe and tubes	0	0	0	0.0	100.0	420
237	Secondary nonferrous metals	0	0	0	0.0	100.0	421
305	Scales and balances	0	0	0	0.0	100.0	422
359	Mobile homes	0	0	0	0.0	100.0	423
397	Owner occupied dwellings	0	0	0	0.0	100.0	424
401	Beauty and barber shops	0	0	0	0.0	100.0	425
422	Nursing and personal care	0	0	0	0.0	100.0	426
-	Total	176,620	171,442	348,062	100.0	-	-

Source: 1991 Defense Economic Impact Modeling System (DEIMS).

Notes: Because of double counting, direct plus indirect purchases exceed outlays. The "Cumulative (percent)" reaches and retains "100 percent" for several entries near the end of the list because of rounding up to the nearest tenth. NEC=not elsewhere classified.

<sup>a</sup> We modified some DEIMS titles to better describe the industry.

**TABLE A-2***Estimated 1991 DoD Purchases: Sector Summary*

Sector	Direct purchases (1993 \$M)	Indirect purchases (1993 \$M)	DoD total purchases (1993 \$M)	Percent of total	Cumulative (percent)
Manufacturing	127,307	85,755	213,062	61.2	61.2
Services	28,474	32,909	61,383	17.6	78.8
Transportation/public utilities	9,163	16,387	25,550	7.3	86.2
Finance/insurance/real estate	922	13,349	14,271	4.1	90.3
Construction	9,055	3,344	12,399	3.6	93.9
Wholesale trade	1,253	9,375	10,628	3.1	96.9
Mining	1	7,891	7,892	2.3	99.2
Agriculture	255	1,776	2,031	0.6	99.8
Retail trade	190	656	846	0.2	100.0
Total	176,620	171,442	348,062	100.0	100.0

Source: 1991 DEIMS.

Note: Because of double counting, direct plus indirect purchases exceed outlays.

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APPENDIX B

**1991 Defense Prime Contract  
Awards by Standard Industrial  
Classification**



**TABLE B-1***1991 Defense Prime Contract Awards by Standard Industrial Classification*

SIC code <sup>a</sup>	Value of transactions (\$000)	Cumulative value of transactions (\$000)
181	398	398
279	1,063	1,461
291	273	1,734
721	233	1,967
782	60,783	62,750
821	688	63,438
851	2,204	65,642
921	67	65,709
1000	76	65,785
1311	473	66,258
1382	1,248	67,506
1453	3,554	71,060
1521	552,397	623,457
1522	328,266	951,723
1541	1,529,602	2,481,325
1542	3,839,679	6,321,004
1611	226,760	6,547,764
1622	253,007	6,800,771
1623	46,330	6,847,101
1629	1,229,756	8,076,857
1711	3,013	8,079,870
1731	1,747	8,081,617
1752	798	8,082,415
1794	26,631	8,109,046
1795	8,938	8,117,984
1796	951	8,118,935
1799	2,634	8,121,569
2011	474,836	8,596,405
2022	108,242	8,704,647
2032	21,703	8,726,350
2033	234,319	8,960,669
2041	194,553	9,155,222
2048	11,470	9,166,692
2065	79,179	9,245,871
2079	22,566	9,268,437
2086	41,032	9,309,469
2099	927,214	10,236,683
2111	97,583	10,334,266
2241	3,538	10,337,804
2251	1,776	10,339,580
2252	32,519	10,372,099
2261	31,920	10,404,019
2271	12,023	10,416,042
2284	215	10,416,257

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1**

1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)

SIC code <sup>a</sup>	Value of transactions (\$000)	Cumulative value of transactions (\$000)
2293	298	10,416,555
2297	48,246	10,464,801
2298	11,125	10,475,926
2311	107,864	10,583,790
2321	28,793	10,612,583
2329	468,329	11,080,912
2337	14,762	11,095,674
2339	3,902	11,099,576
2341	1,112	11,100,688
2361	7,897	11,108,585
2392	20,920	11,129,505
2393	97,651	11,227,156
2394	65,887	11,293,043
2399	100,683	11,393,726
2421	8,168	11,401,894
2431	160	11,402,054
2435	6,264	11,408,318
2511	50,530	11,458,848
2521	153,645	11,612,493
2522	20,116	11,632,609
2531	15,778	11,648,387
2591	3,277	11,651,664
2599	72,047	11,723,711
2631	12,018	11,735,729
2641	5,964	11,741,693
2643	22,528	11,764,221
2647	27,662	11,791,883
2653	31,210	11,823,093
2661	2,548	11,825,641
2711	5,083	11,830,724
2731	49,183	11,879,907
2741	73,736	11,953,643
2751	746	11,954,389
2752	455	11,954,844
2753	11,295	11,966,139
2761	16,624	11,982,763
2813	58,429	12,041,192
2819	627	12,041,819
2821	229	12,042,048
2831	386,012	12,428,060
2842	35,318	12,463,378
2844	27,625	12,491,003
2851	5,850	12,496,853

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1**

*1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Cumulative value of transactions (\$000)
2865	23,977	12,520,830
2869	68,362	12,589,192
2873	314	12,589,506
2879	56,917	12,646,423
2891	1,045	12,647,468
2892	1,111,272	13,758,740
2899	102,136	13,860,876
2911	3,249,579	17,110,455
2992	152,005	17,262,460
2951	9,758	17,272,218
2999	38,375	17,310,593
3011	114,202	17,424,795
3041	24,133	17,448,928
3069	25,487	17,474,415
3079	77,292	17,551,707
3111	157	17,551,864
3131	45	17,551,909
3143	139,577	17,691,486
3144	3,054	17,694,540
3161	10,433	17,704,973
3199	314	17,705,287
3229	1,052	17,706,339
3262	3,635	17,709,974
3271	143	17,710,117
3272	3,057	17,713,174
3291	2,382	17,715,556
3293	22,341	17,737,897
3297	56	17,737,953
3299	7,880	17,745,833
3312	31,628	17,777,461
3313	28	17,777,489
3315	5,020	17,782,509
3317	21,995	17,804,504
3330	374	17,804,878
3339	2,520	17,807,398
3353	11,571	17,818,969
3356	4,114	17,823,083
3357	34,351	17,857,434
3412	8,220	17,865,654
3421	15,764	17,881,418
3423	16,309	17,897,727
3429	(48)	17,897,679
3432	4,550	17,902,229

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1***1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Cumulative value of transactions (\$000)
3433	4,671	17,906,900
3441	3,951	17,910,851
3443	279,686	18,190,537
3444	1,108	18,191,645
3446	3,061	18,194,706
3448	110,686	18,305,392
3449	40,037	18,345,429
3452	31,378	18,376,807
3469	6,416	18,383,223
3482	697,532	19,080,755
3483	2,202,268	21,283,023
3484	360,515	21,643,538
3489	856,018	22,499,556
3493	1,881	22,501,437
3494	157,988	22,659,425
3496	44,822	22,704,247
3499	60,747	22,764,994
3511	385,330	23,150,324
3519	396,492	23,546,816
3523	(2,906)	23,543,910
3524	2,891	23,546,801
3531	76,681	23,623,482
3532	7,266	23,630,748
3533	107	23,630,855
3534	28	23,630,883
3535	7,770	23,638,653
3536	49,267	23,687,920
3537	625,212	24,313,132
3541	116,525	24,429,657
3542	8,852	24,438,509
3544	336	24,438,845
3545	3,910	24,442,755
3546	3,573	24,446,328
3547	50	24,446,378
3549	27,878	24,474,256
3551	49,428	24,523,684
3552	42	24,523,726
3553	590	24,524,316
3554	1,890	24,526,206
3555	43,589	24,569,795
3559	20,282	24,590,077
3561	70,997	24,661,074
3562	63,082	24,724,156

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1**

*1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Cumulative value of transactions (\$000)
3563	36,093	24,760,249
3564	41,044	24,801,293
3566	178,143	24,979,436
3567	6,703	24,986,139
3568	26,512	25,012,651
3569	329,191	25,341,842
3572	593	25,342,435
3573	2,222,209	27,564,644
3574	445	27,565,089
3579	5,993	27,571,082
3581	111	27,571,193
3582	4,476	27,575,669
3585	105,090	27,680,759
3589	47,850	27,728,609
3599	26	27,728,635
3612	3,731	27,732,366
3613	74,916	27,807,282
3621	335,984	28,143,266
3622	45,303	28,188,569
3623	9,038	28,197,607
3624	2,140	28,199,747
3639	9,231	28,208,978
3641	7,387	28,216,365
3643	69,551	28,285,916
3644	27,922	28,313,838
3647	17,570	28,331,408
3648	33,525	28,364,933
3651	64,425	28,429,358
3652	1,594	28,430,952
3661	256,339	28,687,291
3662	12,641,570	41,328,861
3671	262,394	41,591,255
3674	312,179	41,903,434
3675	2,035	41,905,469
3676	4,305	41,909,774
3677	23,604	41,933,378
3679	1,316,660	43,250,038
3691	64,592	43,314,630
3692	65,038	43,379,668
3693	99,499	43,479,167
3699	38,268	43,517,435
3711	1,180,112	44,697,547
3714	916,004	45,613,551

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1**

*1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Cumulative value of transactions (\$000)
3715	122,943	45,736,494
3721	16,808,045	62,544,539
3724	3,470,763	66,015,302
3728	3,797,778	69,813,080
3731	5,962,181	75,775,261
3732	40,440	75,815,701
3743	8,063	75,823,764
3751	1,241	75,825,005
3761	13,702,293	89,527,298
3764	43,736	89,571,034
3795	2,364,678	91,935,712
3811	540,976	92,476,688
3822	799	92,477,487
3823	49,189	92,526,676
3824	41,773	92,568,449
3825	510,610	93,079,059
3829	24,178	93,103,237
3832	119,807	93,223,044
3841	115,988	93,339,032
3842	123,060	93,462,092
3843	7,575	93,469,667
3861	83,154	93,552,821
3911	87	93,552,908
3914	350	93,553,258
3931	835	93,554,093
3944	437	93,554,530
3949	6,149	93,560,679
3952	4,964	93,565,643
3962	36	93,565,679
3991	3,057	93,568,736
3993	2,367	93,571,103
3999	476,688	94,047,791
4011	83	94,047,874
4111	2,231	94,050,105
4119	2,186	94,052,291
4121	150	94,052,441
4141	2,605	94,055,046
4212	81,645	94,136,691
4213	1,704	94,138,395
4214	8,460	94,146,855
4225	7,310	94,154,165
4226	42,887	94,197,052
4411	324,248	94,521,300

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1**

1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)

SIC code <sup>a</sup>	Value of transactions (\$000)	Cumulative value of transactions (\$000)
4454	3,605	94,524,905
4463	193,209	94,718,114
4469	477,132	95,195,246
4511	2,370,742	97,565,988
4521	24,174	97,590,162
4582	130,059	97,720,221
4583	1,876	97,722,097
4612	20,227	97,742,324
4722	7,479	97,749,803
4811	197,445	97,947,248
4833	6,097	97,953,345
4899	133,243	98,086,588
4911	623,797	98,710,385
4923	176,439	98,886,824
4939	2,322	98,889,146
4941	30,813	98,919,959
4952	13,614	98,933,573
4953	70,041	99,003,614
5043	33	99,003,647
5051	81	99,003,728
5063	465	99,004,193
5075	56	99,004,249
5081	18,006	99,022,255
5082	150	99,022,405
5084	4,645	99,027,050
5085	11,943	99,038,993
5086	1,755	99,040,748
5088	707	99,041,455
5141	133,274	99,174,729
5161	133	99,174,862
5171	11,785	99,186,647
5271	72	99,186,719
5531	226	99,186,945
5812	318,496	99,505,441
6324	131,659	99,637,100
6411	137,441	99,774,541
6512	4,671	99,779,212
6531	18,485	99,797,697
7011	30,803	99,828,500
7217	536	99,829,036
7218	33,381	99,862,417
7261	206	99,862,623
7299	75	99,862,698

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-1**

*1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Continued)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Cumulative value of transactions (\$000)
7311	118,203	99,980,901
7332	2,407	99,983,308
7333	17,438	100,000,746
7339	2,649	100,003,395
7342	1,661	100,005,056
7349	394,916	100,399,972
7362	119	100,400,091
7369	260,273	100,660,364
7372	1,385,028	102,045,392
7374	1,899,021	103,944,413
7379	68,869	104,013,282
7391	6,680,808	110,694,090
7392	1,044,680	111,738,770
7393	82,044	111,820,814
7394	350,935	112,171,749
7395	3,127	112,174,876
7397	113,829	112,288,705
7399	411,963	112,700,668
7512	38,775	112,739,443
7513	241	112,739,684
7525	1,267	112,740,951
7538	43,400	112,784,351
7623	14,210	112,798,561
7629	56,173	112,854,734
7641	1,987	112,856,721
7699	71,239	112,927,960
7813	13,158	112,941,118
8011	428	112,941,546
8049	16,949	112,958,495
8051	16,249	112,974,744
8062	71,673	113,046,417
8071	24,504	113,070,921
8081	102,768	113,173,689
8111	4,177	113,177,866
8221	1,211,474	114,389,340
8331	133,459	114,522,799
8399	9,837	114,532,636
8641	756	114,533,392
8911	7,209,132	121,742,524
8922	1,101,806	122,844,330
8922	84	122,844,414
8931	9,348	122,853,762
8999	1,275	122,855,037

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.



**TABLE B-2**

1991 Defense Prime Contract Awards by Standard Industrial Classification  
(Sorted by Value of Transaction)

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
3721	16,808,045	13.681201	13.681201
3761	13,702,293	11.153220	24.834422
3662	12,641,570	10.289826	35.124248
8911	7,209,132	5.867999	40.992247
7391	6,680,808	5.437960	46.430207
3731	5,962,181	4.853021	51.283228
1542	3,839,679	3.125374	54.408602
3728	3,797,778	3.091268	57.499870
3724	3,470,763	2.825088	60.324958
2911	3,249,579	2.645052	62.970009
4511	2,370,742	1.929707	64.899716
3795	2,364,678	1.924771	66.824487
3573	2,222,209	1.808806	68.633293
3483	2,202,268	1.792574	70.425867
7374	1,899,021	1.545741	71.971608
1541	1,529,602	1.245046	73.216655
7372	1,385,028	1.127368	74.344022
3679	1,316,660	1.071718	75.415741
1629	1,229,756	1.000981	76.416722
8221	1,211,474	0.986100	77.402822
3711	1,180,112	0.960573	78.363395
2892	1,111,272	0.904539	79.267934
8922	1,101,806	0.896834	80.164768
7392	1,044,680	0.850336	81.015104
2099	927,214	0.754722	81.769826
3714	916,004	0.745597	82.515423
3489	856,018	0.696771	83.212194
3482	697,532	0.567768	83.779963
3537	625,212	0.508902	84.288865
4911	623,797	0.507750	84.796615
1521	552,397	0.449633	85.246248
3811	540,976	0.440337	85.686585
3825	510,610	0.415620	86.102205
4469	477,132	0.388370	86.490575
3999	476,688	0.388009	86.878584
2011	474,836	0.386501	87.265085
2329	468,329	0.381205	87.646289
7399	411,963	0.335324	87.981614
3519	396,492	0.322732	88.304345
7349	394,916	0.321449	88.625794
2831	386,012	0.314201	88.939995
3511	385,330	0.313646	89.253641
3484	360,515	0.293447	89.547089

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)  
(Sorted by Value of Transaction)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
7394	350,935	0.285650	89.832738
3621	335,984	0.273480	90.106218
3569	329,191	0.267951	90.374169
1522	328,266	0.267198	90.641367
4411	324,248	0.263927	90.905294
5812	318,496	0.259245	91.164540
3674	312,179	0.254104	91.418643
3443	279,686	0.227655	91.646299
3671	262,394	0.213580	91.859879
7369	260,273	0.211854	92.071732
3661	256,339	0.208652	92.280384
1622	253,007	0.205939	92.486324
2033	234,319	0.190728	92.677052
1611	226,760	0.184575	92.861627
4811	197,445	0.160714	93.022341
2041	194,553	0.158360	93.180700
4463	193,209	0.157266	93.337966
3566	178,143	0.145003	93.482969
4923	176,439	0.143616	93.626584
3494	157,988	0.128597	93.755182
2521	153,645	0.125062	93.880244
2992	152,005	0.123727	94.003971
3143	139,577	0.113611	94.117582
6411	137,441	0.111872	94.229454
8331	133,459	0.108631	94.338086
5141	133,274	0.108481	94.446566
4899	133,243	0.108455	94.555022
6324	131,659	0.107166	94.662188
4582	130,059	0.105864	94.768052
3842	123,060	0.100167	94.868219
3715	122,943	0.100072	94.968290
3832	119,807	0.097519	95.065809
7311	118,203	0.096213	95.162023
3541	116,525	0.094848	95.256870
3841	115,988	0.094410	95.351281
3011	114,202	0.092957	95.444237
7397	113,829	0.092653	95.536890
3448	110,686	0.090095	95.626985
2022	108,242	0.088105	95.715091
2311	107,864	0.087798	95.802888
3585	105,090	0.085540	95.888428
8081	102,768	0.083650	95.972078
2899	102,136	0.083135	96.055213

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
2399	100,683	0.081953	96.137166
3693	99,499	0.080989	96.218155
2393	97,651	0.079485	96.297640
2111	97,583	0.079429	96.377069
3861	83,154	0.067685	96.444754
7393	82,044	0.066781	96.511535
4212	81,645	0.066456	96.577991
2065	79,179	0.064449	96.642440
3079	77,292	0.062913	96.705354
3531	76,681	0.062416	96.767769
3613	74,916	0.060979	96.828749
2741	73,736	0.060019	96.888767
2599	72,047	0.058644	96.947411
8062	71,673	0.058339	97.005751
7699	71,239	0.057986	97.063737
3561	70,997	0.057789	97.121526
4953	70,041	0.057011	97.178537
3643	69,551	0.056612	97.235150
7379	68,869	0.056057	97.291207
2869	68,362	0.055644	97.346851
2394	65,887	0.053630	97.400481
3692	65,038	0.052939	97.453420
3691	64,592	0.052576	97.505996
3651	64,425	0.052440	97.558435
3562	63,082	0.051347	97.609782
782	60,783	0.049475	97.659258
3499	60,747	0.049446	97.708704
2813	58,429	0.047559	97.756263
2879	56,917	0.046329	97.802592
7629	56,173	0.045723	97.848315
2511	50,530	0.041130	97.889444
3551	49,428	0.040233	97.929677
3536	49,267	0.040102	97.969779
3823	49,189	0.040038	98.009817
2731	49,183	0.040033	98.049850
2297	48,246	0.039271	98.089121
3589	47,850	0.038948	98.128069
1623	46,330	0.037711	98.165781
3622	45,303	0.036875	98.202656
3496	44,822	0.036484	98.239139
3764	43,736	0.035600	98.274739
3555	43,589	0.035480	98.310219
7538	43,400	0.035326	98.345545

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)  
(Sorted by Value of Transaction)

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
4226	42,887	0.034909	98.380454
3824	41,773	0.034002	98.414456
3564	41,044	0.033408	98.447864
2086	41,032	0.033399	98.481263
3732	40,440	0.032917	98.514180
3449	40,037	0.032589	98.546769
7512	38,775	0.031562	98.578330
2999	38,375	0.031236	98.609566
3699	38,268	0.031149	98.640715
3563	36,093	0.029379	98.670094
2842	35,318	0.028748	98.698841
3357	34,351	0.027961	98.726802
3648	33,525	0.027288	98.754090
7218	33,381	0.027171	98.781261
2252	32,519	0.026469	98.807731
2261	31,920	0.025982	98.833712
3312	31,628	0.025744	98.859457
3452	31,378	0.025541	98.884997
2653	31,210	0.025404	98.910401
4941	30,813	0.025081	98.935482
7011	30,803	0.025073	98.960555
2321	28,793	0.023437	98.983991
3644	27,922	0.022728	99.006719
3549	27,878	0.022692	99.029411
2647	27,662	0.022516	99.051927
2844	27,625	0.022486	99.074412
1794	26,631	0.021677	99.096089
3568	26,512	0.021580	99.117669
3069	25,487	0.020746	99.138415
8071	24,504	0.019945	99.158360
3829	24,178	0.019680	99.178040
4521	24,174	0.019677	99.197717
3041	24,133	0.019643	99.217361
2865	23,977	0.019516	99.236877
3677	23,604	0.019213	99.256090
2079	22,566	0.018368	99.274458
2643	22,528	0.018337	99.292795
3293	22,341	0.018185	99.310980
3317	21,995	0.017903	99.328883
2032	21,703	0.017666	99.346549
2392	20,920	0.017028	99.363577
3559	20,282	0.016509	99.380086
4612	20,227	0.016464	99.396550

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
2522	20,116	0.016374	99.412924
6531	18,485	0.015046	99.427970
5081	18,006	0.014656	99.442626
3647	17,570	0.014301	99.456927
7333	17,438	0.014194	99.471121
8049	16,949	0.013796	99.484917
2761	16,624	0.013531	99.498449
3423	16,309	0.013275	99.511724
8051	16,249	0.013226	99.524950
2531	15,778	0.012843	99.537793
3421	15,764	0.012831	99.550624
2337	14,762	0.012016	99.562640
7623	14,210	0.011566	99.574206
4952	13,614	0.011081	99.585288
7813	13,158	0.010710	99.595998
2271	12,023	0.009786	99.605784
2631	12,018	0.009782	99.615566
5085	11,943	0.009721	99.625288
5171	11,785	0.009593	99.634880
3353	11,571	0.009418	99.644299
2048	11,470	0.009336	99.653635
2753	11,295	0.009194	99.662829
2298	11,125	0.009055	99.671884
3161	10,433	0.008492	99.680376
8399	9,837	0.008007	99.688383
2951	9,758	0.007943	99.696326
8931	9,348	0.007609	99.703935
3639	9,231	0.007514	99.711449
3623	9,038	0.007357	99.718805
1795	8,938	0.007275	99.726080
3542	8,852	0.007205	99.733286
4214	8,460	0.006886	99.740172
3412	8,220	0.006691	99.746863
2421	8,168	0.006648	99.753511
3743	8,063	0.006563	99.760074
2361	7,897	0.006428	99.766502
3299	7,880	0.006414	99.772916
3535	7,770	0.006325	99.779241
3843	7,575	0.006166	99.785406
4722	7,479	0.006088	99.791494
3641	7,387	0.006013	99.797507
4225	7,310	0.005950	99.803457
3532	7,266	0.005914	99.809371

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
3567	6,703	0.005456	99.814827
3469	6,416	0.005222	99.820050
2435	6,264	0.005099	99.825148
3949	6,149	0.005005	99.830153
4833	6,097	0.004963	99.835116
3579	5,993	0.004878	99.839994
2641	5,964	0.004855	99.844849
2851	5,850	0.004762	99.849611
2711	5,083	0.004137	99.853748
3315	5,020	0.004086	99.857834
3952	4,964	0.004041	99.861875
3433	4,671	0.003802	99.865677
6512	4,671	0.003802	99.869479
5084	4,645	0.003781	99.873260
3432	4,550	0.003704	99.876963
3582	4,476	0.003643	99.880606
3676	4,305	0.003504	99.884111
8111	4,177	0.003400	99.887511
3356	4,114	0.003349	99.890859
3441	3,951	0.003216	99.894075
3545	3,910	0.003183	99.897258
2339	3,902	0.003176	99.900434
3612	3,731	0.003037	99.903471
3262	3,635	0.002959	99.906430
4454	3,605	0.002934	99.909364
3546	3,573	0.002908	99.912272
1453	3,554	0.002893	99.915165
2241	3,538	0.002880	99.918045
2591	3,277	0.002667	99.920712
7395	3,127	0.002545	99.923258
3446	3,061	0.002492	99.925749
3272	3,057	0.002488	99.928237
3991	3,057	0.002488	99.930726
3144	3,054	0.002486	99.933212
1711	3,013	0.002452	99.935664
3524	2,891	0.002353	99.938017
7339	2,649	0.002156	99.940173
1799	2,634	0.002144	99.942317
4141	2,605	0.002120	99.944438
2661	2,548	0.002074	99.946512
3339	2,520	0.002051	99.948563
7332	2,407	0.001959	99.950522
3291	2,382	0.001939	99.952461

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
3993	2,367	0.001927	99.954388
4939	2,322	0.001890	99.956278
4111	2,231	0.001816	99.958094
851	2,204	0.001794	99.959888
4119	2,186	0.001779	99.961667
3624	2,140	0.001742	99.963409
3675	2,035	0.001656	99.965065
7641	1,987	0.001617	99.966683
3554	1,890	0.001538	99.968221
3493	1,881	0.001531	99.969752
4583	1,876	0.001527	99.971279
2251	1,776	0.001446	99.972725
5086	1,755	0.001429	99.974153
1731	1,747	0.001422	99.975575
4213	1,704	0.001387	99.976962
7342	1,661	0.001352	99.978314
3652	1,594	0.001297	99.979612
8999	1,275	0.001038	99.980650
7525	1,267	0.001031	99.981681
1382	1,248	0.001016	99.982697
3751	1,241	0.001010	99.983707
2341	1,112	0.000905	99.984612
3444	1,108	0.000902	99.985514
279	1,063	0.000865	99.986379
3229	1,052	0.000856	99.987235
2891	1,045	0.000851	99.988086
1796	951	0.000774	99.988860
3931	835	0.000680	99.989540
3822	799	0.000650	99.990190
1752	798	0.000650	99.990840
8641	756	0.000615	99.991455
2751	746	0.000607	99.992062
5088	707	0.000575	99.992638
821	688	0.000560	99.993198
2819	627	0.000510	99.993708
3572	593	0.000483	99.994191
3553	590	0.000480	99.994671
7217	536	0.000436	99.995107
1311	473	0.000385	99.995492
5063	465	0.000378	99.995871
2752	455	0.000370	99.996241
3574	445	0.000362	99.996603
3944	437	0.000356	99.996959

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
8011	428	0.000348	99.997307
181	398	0.000324	99.997631
3330	374	0.000304	99.997936
3914	350	0.000285	99.998221
3544	336	0.000273	99.998494
2873	314	0.000256	99.998750
3199	314	0.000256	99.999005
2293	298	0.000243	99.999248
291	273	0.000222	99.999470
7513	241	0.000196	99.999666
721	233	0.000190	99.999856
2821	229	0.000186	100.000042
5531	226	0.000184	100.000226
2284	215	0.000175	100.000401
7261	206	0.000168	100.000569
2431	160	0.000130	100.000699
3111	157	0.000128	100.000827
4121	150	0.000122	100.000949
5082	150	0.000122	100.001071
3271	143	0.000116	100.001188
5161	133	0.000108	100.001296
7362	119	0.000097	100.001393
3581	111	0.000090	100.001483
3533	107	0.000087	100.001570
3911	87	0.000071	100.001641
8922	84	0.000068	100.001709
4011	83	0.000068	100.001777
5051	81	0.000066	100.001843
1000	76	0.000062	100.001905
7299	75	0.000061	100.001966
5271	72	0.000059	100.002024
921	67	0.000055	100.002079
3297	56	0.000046	100.002124
5075	56	0.000046	100.002170
3547	50	0.000041	100.002211
3131	45	0.000037	100.002247
3552	42	0.000034	100.002282
3962	36	0.000029	100.002311
5043	33	0.000027	100.002338
3313	28	0.000023	100.002361
3534	28	0.000023	100.002383
3599	26	0.000021	100.002404
3429	- 48	- 0.000039	100.002365

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.



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**TABLE B-2**

*1991 Defense Prime Contract Awards by Standard Industrial Classification (Continued)*  
*(Sorted by Value of Transaction)*

SIC code <sup>a</sup>	Value of transactions (\$000)	Percentage of total	Cumulative percentage
3523	- 2,906	- 0.002365	100.000000

<sup>a</sup>See Office of Management and Budget, *Standard Industrial Classification Manual*, U.S. Government Printing Office: Washington, D.C., 1972, for industry titles and descriptions.

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APPENDIX C

**1991 Defense Prime Contract  
Awards by State**

**TABLE C-1**  
*1991 Defense Prime Contract Awards by State*  
*(Sorted by state)*

State	Transaction Count		Transaction value (\$000)	
	By state	Cumulative	By state	Cumulative
Alabama	5,213	5,213	1,816,120	1,816,120
Alaska	1,606	6,819	556,266	2,372,386
Arizona	3,768	10,587	2,509,398	4,881,784
Arkansas	1,699	12,286	312,813	5,194,597
California	39,224	51,510	23,870,975	29,065,572
Colorado	3,770	55,280	2,650,580	31,716,152
Connecticut	6,636	61,916	4,944,622	36,660,774
Delaware	435	62,351	132,460	36,793,234
District of Columbia	5,009	67,360	1,110,480	37,903,714
Florida	11,191	78,551	5,136,327	43,040,041
Georgia	5,885	84,436	1,969,082	45,009,123
Hawaii	2,891	87,327	703,308	45,712,431
Idaho	430	87,757	78,518	45,790,949
Illinois	5,870	93,627	1,762,770	47,553,719
Indiana	4,199	97,826	2,149,517	49,703,236
Iowa	1,077	98,903	458,155	50,161,391
Kansas	2,093	100,996	850,770	51,012,161
Kentucky	2,496	103,492	577,046	51,589,207
Louisiana	2,031	105,523	1,236,011	52,825,218
Maine	1,255	106,778	1,051,290	53,876,508
Maryland	11,569	118,347	4,048,823	57,925,331
Massachusetts	8,259	126,606	6,901,759	64,827,090
Michigan	3,981	130,587	1,327,243	66,154,333
Minnesota	2,832	133,419	1,771,165	67,925,498
Mississippi	2,623	136,042	1,777,454	69,702,952
Missouri	3,906	139,948	6,303,727	76,006,679
Montana	354	140,302	82,730	76,089,409
Nebraska	1,184	141,486	253,381	76,342,790
Nevada	744	142,230	254,313	76,597,103
New Hampshire	1,185	143,415	442,060	77,039,163
New Jersey	8,653	152,068	3,564,300	80,603,463
New Mexico	2,102	154,170	678,359	81,281,822
New York	10,173	164,343	6,908,417	88,190,239
North Carolina	5,134	169,477	1,535,461	89,725,700
North Dakota	592	170,069	149,161	89,874,861
Ohio	7,920	177,989	4,759,466	94,634,327
Oklahoma	2,286	180,275	772,381	95,406,708

**TABLE C-1**

*1991 Defense Prime Contract Awards by State (Continued)*  
*(Sorted by state)*

State	Transaction Count		Transaction value (\$000)	
	By state	Cumulative	By state	Cumulative
Oregon	871	181,146	313,949	95,720,657
Pennsylvania	7,929	189,075	2,928,571	98,649,228
Rhode Island	1,728	190,803	405,869	99,055,097
South Carolina	4,745	195,548	960,598	100,015,695
South Dakota	411	195,959	124,714	100,140,409
Tennessee	3,421	199,380	2,022,672	102,163,081
Texas	14,575	213,955	10,172,682	112,335,763
Utah	2,001	215,956	809,317	113,145,080
Vermont	322	216,278	73,028	113,218,108
Virginia	25,685	241,963	6,710,828	119,928,936
Washington	5,494	247,457	1,756,968	121,685,904
West Virginia	290	247,747	146,297	121,832,201
Wisconsin	2,161	249,908	959,071	122,791,272
Wyoming	304	250,212	63,765	122,855,037
Total		250,212		122,855,037

**TABLE C-2**  
*1991 Defense Prime Contract Awards by State*  
*(Sorted by number of transactions)*

State	Transaction count		Transaction value (\$000)	
	By state	Cumulative	By state	Cumulative
California	39,224	39,224	23,870,975	23,870,975
Virginia	25,685	64,909	6,710,828	30,581,803
Texas	14,575	79,484	10,172,682	40,754,485
Maryland	11,569	91,053	4,048,823	44,803,308
Florida	11,191	102,244	5,136,327	49,939,635
New York	10,173	112,417	6,908,417	56,848,052
New Jersey	8,653	121,070	3,564,300	60,412,352
Massachusetts	8,259	129,329	6,901,759	67,314,111
Pennsylvania	7,929	137,258	2,928,571	70,242,682
Ohio	7,920	145,178	4,759,466	75,002,148
Connecticut	6,636	151,814	4,944,622	79,946,770
Georgia	5,885	157,699	1,969,082	81,915,852
Illinois	5,870	163,569	1,762,770	83,678,622
Washington	5,494	169,063	1,756,968	85,435,590
Alabama	5,213	174,276	1,816,120	87,251,710
North Carolina	5,134	179,410	1,535,461	88,787,171
District of Columbia	5,009	184,419	1,110,480	89,897,651
South Carolina	4,745	189,164	960,598	90,858,249
Indiana	4,199	193,363	2,149,517	93,007,766
Michigan	3,981	197,344	1,327,243	94,335,009
Missouri	3,906	201,250	6,303,727	100,638,736
Colorado	3,770	205,020	2,650,580	103,289,316
Arizona	3,768	208,788	2,509,398	105,798,714
Tennessee	3,421	212,209	2,022,672	107,821,386
Hawaii	2,891	215,100	703,308	108,524,694
Minnesota	2,832	217,932	1,771,165	110,295,859
Mississippi	2,623	220,555	1,777,454	112,073,313
Kentucky	2,496	223,051	577,046	112,650,359
Oklahoma	2,286	225,337	772,381	113,422,740
Wisconsin	2,161	227,498	959,071	114,381,811
New Mexico	2,102	229,600	678,359	115,060,170
Kansas	2,093	231,693	850,770	115,910,940
Louisiana	2,031	233,724	1,236,011	117,146,951
Utah	2,001	235,725	809,317	117,956,268
Rhode Island	1,728	237,453	405,869	118,362,137
Arkansas	1,699	239,152	312,813	118,674,950
Alaska	1,606	240,758	556,266	119,231,216
Maine	1,255	242,013	1,051,290	120,282,506
New Hampshire	1,185	243,198	442,060	120,724,566
Nebraska	1,184	244,382	253,381	120,977,947
Iowa	1,077	245,459	458,155	121,436,102

**TABLE C-2**

*1991 Defense Prime Contract Awards by State (Continued)*  
*(Sorted by number of transactions)*

State	Transaction count		Transaction value (\$000)	
	By state	Cumulative	By state	Cumulative
Oregon	871	246,330	313,949	121,750,051
Nevada	744	247,074	254,313	122,004,364
North Dakota	592	247,666	149,161	122,153,525
Delaware	435	248,101	132,460	122,285,985
Idaho	430	248,531	78,518	122,364,503
South Dakota	411	248,942	124,714	122,489,217
Montana	354	249,296	82,730	122,571,947
Vermont	322	249,618	73,028	122,644,975
Wyoming	304	249,922	63,765	122,708,740
West Virginia	290	250,212	146,297	122,855,037
Total		250,212		122,855,037

**TABLE C-3**

1991 Defense Prime Contract Awards by State  
 (Sorted by transaction value)

State	Transaction count		Transaction value (\$000)	
	By state	Cumulative	By state	Cumulative
California	39,224	39,224	23,870,975	23,870,975
Texas	14,575	53,799	10,172,682	34,043,657
New York	10,173	63,972	6,908,417	40,952,074
Massachusetts	8,259	72,231	6,901,759	47,853,833
Virginia	25,685	97,916	6,710,828	54,564,661
Missouri	3,906	101,822	6,303,727	60,868,388
Florida	11,191	113,013	5,136,327	66,004,715
Connecticut	6,636	119,649	4,944,622	70,949,337
Ohio	7,920	127,569	4,759,466	75,708,803
Maryland	11,569	139,138	4,048,823	79,757,626
New Jersey	8,653	147,791	3,564,300	83,321,926
Pennsylvania	7,929	155,720	2,928,571	86,250,497
Colorado	3,770	159,490	2,650,580	88,901,077
Arizona	3,768	163,258	2,509,398	91,410,475
Indiana	4,199	167,457	2,149,517	93,559,992
Tennessee	3,421	170,878	2,022,672	95,582,664
Georgia	5,885	176,763	1,969,082	97,551,746
Alabama	5,213	181,976	1,816,120	99,367,866
Mississippi	2,623	184,599	1,777,454	101,145,320
Minnesota	2,832	187,431	1,771,165	102,916,485
Illinois	5,870	193,301	1,762,770	104,679,255
Washington	5,494	198,795	1,756,968	106,436,223
North Carolina	5,134	203,929	1,535,461	107,971,684
Michigan	3,981	207,910	1,327,243	109,298,927
Louisiana	2,031	209,941	1,236,011	110,534,938
District of Columbia	5,009	214,950	1,110,480	111,645,418
Maine	1,255	216,205	1,051,290	112,696,708
South Carolina	4,745	220,950	960,598	113,657,306
Wisconsin	2,161	223,111	959,071	114,616,377
Kansas	2,093	225,204	850,770	115,467,147
Utah	2,001	227,205	809,317	116,276,464
Oklahoma	2,286	229,491	772,381	117,048,845
Hawaii	2,891	232,382	703,308	117,752,153
New Mexico	2,102	234,484	678,359	118,430,512
Kentucky	2,496	236,980	577,046	119,007,558
Alaska	1,606	238,586	556,266	119,563,824
Iowa	1,077	239,663	458,155	120,021,979
New Hampshire	1,185	240,848	442,060	120,464,039
Rhode Island	1,728	242,576	405,869	120,869,908

**TABLE C-3**

1991 Defense Prime Contract Awards by State (Continued)  
(Sorted by transaction value)

State	Transaction count		Transaction value (\$000)	
	By state	Cumulative	By state	Cumulative
Oregon	871	243,447	313,949	121,183,857
Arkansas	1,699	245,146	312,813	121,496,670
Nevada	744	245,890	254,313	121,750,983
Nebraska	1,184	247,074	253,381	122,004,364
North Dakota	592	247,666	149,161	122,153,525
West Virginia	290	247,956	146,297	122,299,822
Delaware	435	248,391	132,460	122,432,282
South Dakota	411	248,802	124,714	122,556,996
Montana	354	249,156	82,730	122,639,726
Idaho	430	249,586	78,518	122,718,244
Vermont	322	249,908	73,028	122,791,272
Wyoming	304	250,212	63,765	122,855,037
Total		250,212		122,855,037



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APPENDIX D

**1991 Defense Prime Contract  
Awards by County**

**TABLE D-1**  
*1991 Defense Prime Contract Awards by County*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
CALIFORNIA	LOS ANGELES	10,038,540	10,038,540	8.171045
MISSOURI	ST. LOUIS (CITY)	5,431,407	15,469,947	12.592033
TEXAS	TARRANT	3,777,061	19,247,008	15.666438
CALIFORNIA	SANTA CLARA	3,552,079	22,799,087	18.557714
MASSACHUSETTS	MIDDLESEX	3,258,205	26,057,292	21.209787
NEW YORK	NASSAU	3,115,359	29,172,651	23.745588
CALIFORNIA	ORANGE	2,666,975	31,839,626	25.916419
MASSACHUSETTS	ESSEX	2,519,771	34,359,397	27.967430
CALIFORNIA	SAN DIEGO	2,443,087	36,802,484	29.956024
TEXAS	COLLIN	2,258,676	39,061,160	31.794512
CONNECTICUT	NEW LONDON	2,258,606	41,319,766	33.632944
VIRGINIA	FAIRFAX	2,181,000	43,500,766	35.408207
COLORADO	DENVER	1,754,999	45,255,765	36.836719
CONNECTICUT	FAIRFIELD	1,517,378	46,773,143	38.071815
OHIO	HAMILTON	1,300,917	48,074,060	39.130720
FLORIDA	ORANGE	1,123,570	49,197,630	40.045269
DISTRICT OF COLUMBIA	DISTRICT OF COLUMBIA	1,110,480	50,308,110	40.949164
ARIZONA	PIMA	1,107,263	51,415,373	41.850440
ARIZONA	MARICOPA	1,070,293	52,485,666	42.721623
CONNECTICUT	HARTFORD	1,011,404	53,497,070	43.544873
MINNESOTA	HENNEPIN	1,004,571	54,501,641	44.362561
MISSISSIPPI	JACKSON	1,003,139	55,504,780	45.179084
OHIO	ALLEN	978,708	56,483,488	45.975720
MARYLAND	MONTGOMERY	969,643	57,453,131	46.764978
MARYLAND	BALTIMORE (CITY)	963,928	58,417,059	47.549584
TENNESSEE	SHELBY	955,958	59,373,017	48.327703
NEW YORK	ONONDAGA	954,199	60,327,216	49.104390
ILLINOIS	COOK	946,086	61,273,302	49.874473
FLORIDA	PALM BEACH	862,581	62,135,883	50.576586
MAINE	SAGadahoc	852,814	62,988,697	51.270748
CALIFORNIA	SACRAMENTO	843,371	63,832,068	51.957225
NEW JERSEY	BURLINGTON	839,586	64,671,654	52.640621
CALIFORNIA	SANTA BARBARA	834,485	65,506,139	53.319864
MARYLAND	PRINCE GEORGE'S	825,800	66,331,939	53.992039
ALABAMA	MADISON	818,713	67,150,652	54.658444
NEW YORK	SUFFOLK	815,185	67,965,837	55.321978
CALIFORNIA	SAN BERNARDINO	791,473	68,757,310	55.966212
INDIANA	MARION	790,071	69,547,381	56.609304
PENNSYLVANIA	PHILADELPHIA	766,821	70,314,202	57.233471
FLORIDA	BREVARD	677,836	70,992,038	57.785207
WASHINGTON	KING	676,860	71,668,898	58.336149
OHIO	GREENE	659,919	72,328,817	58.873302
VIRGINIA	ARLINGTON	659,604	72,988,421	59.410198
HAWAII	HONOLULU	642,649	73,631,070	59.933294
TEXAS	BEXAR	625,503	74,256,573	60.442433
VIRGINIA	NORFOLK (CITY)	614,376	74,870,949	60.942515

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
PENNSYLVANIA	ALLEGHENY	582,117	75,453,066	61.416339
GEORGIA	COBB	573,093	76,026,159	61.882818
COLORADO	EL PASO	546,576	76,572,735	62.327713
FLORIDA	PINELLAS	534,081	77,106,816	62.762438
MINNESOTA	RAMSEY	518,755	77,625,571	63.184687
KANSAS	SEDGWICK	515,944	78,141,515	63.604649
LOUISIANA	ORLEANS	505,917	78,647,432	64.016449
NEW JERSEY	MONMOUTH	477,988	79,125,420	64.405516
WISCONSIN	WINNEBAGO	469,183	79,594,603	64.787415
MICHIGAN	MACOMB	462,168	80,056,771	65.163605
VIRGINIA	ALEXANDRIA (CITY)	459,684	80,516,455	65.537773
NORTH CAROLINA	GUILFORD	454,607	80,971,062	65.907808
NEW YORK	BRONX	449,701	81,420,763	66.273850
WASHINGTON	WHATCOM	442,457	81,863,220	66.633996
INDIANA	ST. JOSEPH	440,858	82,304,078	66.992840
NEW JERSEY	MORRIS	423,907	82,727,985	67.337886
OHIO	UNION	419,652	83,147,637	67.679469
OHIO	CUYAHOGA	419,000	83,566,637	68.020522
NEW JERSEY	PASSAIC	394,373	83,961,010	68.341528
INDIANA	ALLEN	390,865	84,351,875	68.659680
CALIFORNIA	VENTURA	384,651	84,736,526	68.972773
VIRGINIA	NEWPORT NEWS (CITY)	377,532	85,114,058	69.280072
CALIFORNIA	SOLANO	374,753	85,488,811	69.585109
TEXAS	DALLAS	366,091	85,854,902	69.883095
NEW HAMPSHIRE	HILLSBOROUGH	364,775	86,219,677	70.180010
CALIFORNIA	CONTRA COSTA	339,828	86,559,505	70.456619
TEXAS	KLEBERG	337,848	86,897,353	70.731616
RHODE ISLAND	NEWPORT	323,012	87,220,365	70.994537
MARYLAND	ANNE ARUNDEL	322,834	87,543,199	71.257314
FLORIDA	OKALOOSA	322,534	87,865,733	71.519846
TEXAS	FORT BEND	319,763	88,185,496	71.780122
MISSISSIPPI	HARRISON	313,545	88,499,041	72.035338
MASSACHUSETTS	BERKSHIRE	308,647	88,807,688	72.286566
OHIO	SUMMIT	303,700	89,111,388	72.533768
CALIFORNIA	KERN	302,386	89,413,774	72.779901
VIRGINIA	MANASSAS (CITY)	294,290	89,708,064	73.019443
NEW JERSEY	BERGEN	290,500	89,998,564	73.255901
PENNSYLVANIA	MONTGOMERY	288,116	90,286,680	73.490418
TENNESSEE	SULLIVAN	287,307	90,573,987	73.724276
NEW MEXICO	BERNALILLO	278,198	90,852,185	73.950720
GEORGIA	GWINNETT	276,575	91,128,760	74.175844
FLORIDA	DUVAL	272,911	91,401,671	74.397984
MARYLAND	ST. MARYS	272,391	91,674,062	74.619702
NEW JERSEY	MERCER	270,456	91,944,518	74.839844
CALIFORNIA	ALAMEDA	269,151	92,213,669	75.058924
MISSOURI	JACKSON	267,275	92,480,944	75.276477

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
SOUTH CAROLINA	CHARLESTON	262,701	92,743,645	75.490307
TENNESSEE	COFFEE	257,822	93,001,467	75.700166
PENNSYLVANIA	YORK	255,897	93,257,364	75.908458
VIRGINIA	VIRGINIA BEACH (CITY)	255,283	93,512,647	76.116250
ARIZONA	COCHISE	249,271	93,761,918	76.319148
NEW YORK	SCHENECTADY	245,520	94,007,438	76.518994
ALASKA	ANCHORAGE	243,242	94,250,680	76.716985
OKLAHOMA	OKLAHOMA	242,818	94,493,498	76.914631
FLORIDA	DADE	241,456	94,734,954	77.111168
MARYLAND	BALTIMORE	239,831	94,974,785	77.306383
TEXAS	HUNT	236,521	95,211,306	77.498903
TEXAS	EL PASO	235,943	95,447,249	77.690953
NEW YORK	WESTCHESTER	235,149	95,682,398	77.882357
UTAH	SALT LAKE	233,166	95,915,564	78.072146
NORTH CAROLINA	CUMBERLAND	232,167	96,147,731	78.261122
WASHINGTON	KITSAP	228,320	96,376,051	78.446968
VIRGINIA	FAIRFAX (CITY)	225,851	96,601,902	78.630803
FLORIDA	HILLSBOROUGH	225,699	96,827,601	78.814515
FLORIDA	ESCAMBIA	215,857	97,043,458	78.990215
TEXAS	HARRIS	206,598	97,250,056	79.158379
IOWA	LINN	204,668	97,454,724	79.324972
GEORGIA	DE KALB	203,878	97,658,602	79.490922
TEXAS	MCLENNAN	202,432	97,861,034	79.655695
SOUTH CAROLINA	MARION	202,360	98,063,394	79.820410
NEW JERSEY	ESSEX	201,995	98,265,389	79.984827
OHIO	FAIRFIELD	200,084	98,465,473	80.147689
MASSACHUSETTS	WORCESTER	195,534	98,661,007	80.306847
TEXAS	BURNET	194,013	98,855,020	80.464768
MASSACHUSETTS	NORFOLK	193,923	99,048,943	80.622615
MICHIGAN	OAKLAND	184,159	99,233,102	80.772514
ALABAMA	COFFEE	183,765	99,416,867	80.922093
VIRGINIA	MONTGOMERY	179,264	99,596,131	81.068008
TEXAS	BELL	176,370	99,772,501	81.211567
CALIFORNIA	SAN FRANCISCO	174,997	99,947,498	81.354009
NEW MEXICO	DONA ANA	173,940	100,121,438	81.495591
MARYLAND	HARFORD	172,283	100,293,721	81.635823
ALABAMA	CALHOUN	168,449	100,462,170	81.772935
WASHINGTON	PIERCE	167,812	100,629,982	81.909529
TEXAS	GALVESTON	166,910	100,796,892	82.045388
GEORGIA	CHATHAM	166,042	100,962,934	82.180541
NEBRASKA	SARPY	165,339	101,128,273	82.315122
INDIANA	BARTHOLOMEW	164,796	101,293,069	82.449260
VIRGINIA	FALLS CHURCH (CITY)	164,389	101,457,458	82.583067
COLORADO	BOULDER	163,851	101,621,309	82.716437
LOUISIANA	BOSSIER	160,104	101,781,413	82.846756

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
VIRGINIA	RICHMOND (CITY)	159,312	101,940,725	82.976431
MASSACHUSETTS	BRISTOL	158,734	102,099,459	83.105635
FLORIDA	VOLUSIA	153,749	102,253,208	83.230782
VIRGINIA	PORTSMOUTH (CITY)	153,568	102,406,776	83.355781
NEVADA	CLARK	151,734	102,558,510	83.479288
MASSACHUSETTS	SUFFOLK	149,890	102,708,400	83.601293
ALABAMA	MOBILE	149,396	102,857,796	83.722897
UTAH	TOOELE	148,498	103,006,294	83.843769
PENNSYLVANIA	DELAWARE	146,709	103,153,003	83.963186
NEW YORK	TIOGA	144,550	103,297,553	84.080845
NEW YORK	ERIE	143,080	103,440,633	84.197307
UTAH	BOX ELDER	142,010	103,582,643	84.312899
NEW YORK	ONEIDA	139,098	103,721,741	84.426120
NEW JERSEY	GLOUCESTER	137,457	103,859,198	84.538006
SOUTH CAROLINA	RICHLAND	132,928	103,992,126	84.646205
CALIFORNIA	SAN MATEO	131,962	104,124,088	84.753617
VIRGINIA	KING GEORGE	130,459	104,254,547	84.859807
TEXAS	BOWIE	129,729	104,384,276	84.965402
VIRGINIA	ROANOKE (CITY)	127,965	104,512,241	85.069561
ALASKA	FAIRBANKS NORTH STAR	121,965	104,634,206	85.168837
CALIFORNIA	SANTA CRUZ	121,586	104,755,792	85.267804
ALABAMA	MONTGOMERY	121,307	104,877,099	85.366544
TEXAS	JONES	121,214	104,998,313	85.465208
KENTUCKY	BOURBON	119,418	105,117,731	85.562410
NEW JERSEY	HUDSON	118,585	105,236,316	85.658935
NEW JERSEY	CAMDEN	117,435	105,353,751	85.754523
UTAH	DAVIS	116,350	105,470,101	85.849228
MISSOURI	ST. CHARLES	115,248	105,585,349	85.943036
GEORGIA	CAMDEN	114,948	105,700,297	86.036600
ILLINOIS	MADISON	112,062	105,812,359	86.127815
GEORGIA	HOUSTON	111,724	105,924,083	86.218755
KENTUCKY	BULLITT	111,558	106,035,641	86.309559
NORTH CAROLINA	ONSLOW	110,606	106,146,247	86.399589
CONNECTICUT	NEW HAVEN	110,082	106,256,329	86.489192
MISSOURI	ST. LOUIS	108,917	106,365,246	86.577847
WISCONSIN	MILWAUKEE	108,266	106,473,512	86.665972
MISSOURI	JOHNSON	107,613	106,581,125	86.753566
KENTUCKY	CHRISTIAN	107,496	106,688,621	86.841064
MAINE	YORK	103,364	106,791,985	86.925199
VIRGINIA	HAMPTON (CITY)	102,813	106,894,798	87.008885
LOUISIANA	EAST BATON ROUGE	100,764	106,995,562	87.090904
NEW MEXICO	OTERO	99,992	107,095,554	87.172294
FLORIDA	BAY	99,002	107,194,556	87.252878
TENNESSEE	CARROLL	97,265	107,291,821	87.332049
TENNESSEE	CAMPBELL	97,239	107,389,060	87.411198

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*

*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
NORTH CAROLINA	WAKE	95,879	107,484,939	87.489241
VIRGINIA	PRINCE WILLIAM	94,954	107,579,893	87.566530
MISSISSIPPI	MADISON	94,586	107,674,479	87.643520
ILLINOIS	LAKE	93,837	107,768,316	87.719900
GEORGIA	COLUMBIA	93,459	107,861,775	87.795973
PENNSYLVANIA	BUCKS	92,408	107,954,183	87.871190
ILLINOIS	ST. CLAIR	92,257	108,046,440	87.946284
CALIFORNIA	RIVERSIDE	92,211	108,138,651	88.021341
FLORIDA	BROWARD	91,466	108,230,117	88.095791
CALIFORNIA	MONTEREY	91,217	108,321,334	88.170039
MISSOURI	CLAY	91,014	108,412,348	88.244121
OKLAHOMA	OSAGE	90,254	108,502,602	88.317585
GEORGIA	CHATTAHOOCHEE	90,203	108,592,805	88.391008
NEW YORK	BROOME	89,604	108,682,409	88.463942
LOUISIANA	CALCASIEU	88,086	108,770,495	88.535641
MARYLAND	HOWARD	86,652	108,857,147	88.606173
UTAH	WEBER	86,288	108,943,435	88.676409
TEXAS	BRAZORIA	85,963	109,029,398	88.746380
NEW JERSEY	UNION	85,550	109,114,948	88.816015
TENNESSEE	HAWKINS	85,014	109,199,962	88.885214
TEXAS	JEFFERSON	84,468	109,284,430	88.953968
ALABAMA	DALLAS	83,387	109,367,817	89.021842
MISSISSIPPI	WARREN	82,724	109,450,541	89.089177
OKLAHOMA	COMANCHE	82,715	109,533,256	89.156504
ILLINOIS	WILLIAMSON	81,806	109,615,062	89.223091
DELAWARE	KENT	81,185	109,696,247	89.289173
IOWA	POLK	81,034	109,777,281	89.355132
MICHIGAN	WASHTENAW	80,935	109,858,216	89.421011
ALABAMA	JEFFERSON	80,142	109,938,358	89.486244
MICHIGAN	WAYNE	79,707	110,018,065	89.551123
NORTH CAROLINA	FORSYTH	79,521	110,097,586	89.615850
PENNSYLVANIA	CHESTER	79,469	110,177,055	89.680535
OKLAHOMA	CUSTER	79,288	110,256,343	89.745073
OKLAHOMA	CANADIAN	79,276	110,335,619	89.809601
VIRGINIA	PRINCE GEORGE	79,106	110,414,725	89.873991
SOUTH CAROLINA	BERKELEY	78,485	110,493,210	89.937875
WASHINGTON	SPOKANE	78,370	110,571,580	90.001666
MICHIGAN	WEXFORD	78,320	110,649,900	90.065416
OHIO	STARK	77,751	110,727,651	90.128703
CALIFORNIA	INYO	76,206	110,803,857	90.190732
ALASKA	ALEUTIAN ISLANDS	76,033	110,879,890	90.252620
ILLINOIS	ROCK ISLAND	75,513	110,955,403	90.314085
PENNSYLVANIA	CENTRE	74,655	111,030,058	90.374852
TEXAS	DENTON	74,451	111,104,509	90.435453
TEXAS	HIDALGO	73,807	111,178,316	90.495529

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
OREGON	BENTON	73,748	111,252,064	90.555558
TEXAS	WICHITA	71,071	111,323,135	90.613407
NEW YORK	MONROE	70,900	111,394,035	90.671118
OREGON	CLACKAMAS	70,847	111,464,882	90.728785
ARKANSAS	PULASKI	69,019	111,533,901	90.784964
MICHIGAN	KENT	68,627	111,602,528	90.840824
INDIANA	CLARK	68,122	111,670,650	90.896273
COLORADO	ADAMS	68,004	111,738,654	90.951626
NEW JERSEY	MIDDLESEX	67,602	111,806,256	91.006652
MISSOURI	PULASKI	66,884	111,873,140	91.061093
MICHIGAN	MUSKEGON	66,854	111,939,994	91.115510
TEXAS	HARRISON	66,499	112,006,493	91.169638
NEW YORK	QUEENS	65,598	112,072,091	91.223033
NORTH CAROLINA	CRAVEN	65,229	112,137,320	91.276127
SOUTH CAROLINA	MARLBORO	65,214	112,202,534	91.329209
WASHINGTON	SNOHOMISH	64,797	112,267,331	91.381952
OREGON	HOOD RIVER	63,306	112,330,637	91.433481
RHODE ISLAND	PROVIDENCE	62,095	112,392,732	91.484024
KANSAS	DOUGLAS	61,059	112,453,791	91.533724
PENNSYLVANIA	LANCASTER	60,625	112,514,416	91.583071
LOUISIANA	LAFOURCHE	60,242	112,574,658	91.632106
OKLAHOMA	KAY	60,062	112,634,720	91.680995
PENNSYLVANIA	CAMBRIA	60,055	112,694,775	91.729878
INDIANA	VANDERBURGH	59,958	112,754,733	91.778681
ILLINOIS	WINNEBAGO	59,825	112,814,558	91.827377
MISSISSIPPI	HINDS	59,276	112,873,834	91.875626
VERMONT	CHITTENDEN	58,416	112,932,250	91.923174
KANSAS	SEWARD	57,828	112,990,078	91.970245
ALASKA	YUKON-KOYUKUK	57,578	113,047,656	92.017111
WEST VIRGINIA	MASON	57,143	113,104,799	92.063624
NEW YORK	ORANGE	57,068	113,161,867	92.110075
CALIFORNIA	SAN JOAQUIN	56,995	113,218,862	92.156467
OHIO	LICKING	56,526	113,275,388	92.202478
GEORGIA	FULTON	55,768	113,331,156	92.247871
TEXAS	NUECES	54,447	113,385,603	92.292189
MONTANA	CASCADE	54,283	113,439,886	92.336374
NEW YORK	CLINTON	53,754	113,493,640	92.380128
NEW JERSEY	SOMERSET	52,639	113,546,279	92.422974
OREGON	WASHINGTON	52,371	113,598,650	92.465602
KANSAS	GEARY	52,309	113,650,959	92.508180
SOUTH CAROLINA	GREENVILLE	51,879	113,702,838	92.550408
MINNESOTA	ANOKA	51,865	113,754,703	92.592624
SOUTH DAKOTA	LINCOLN	51,413	113,806,116	92.634473
MISSISSIPPI	LOWNDES	51,070	113,857,186	92.676042
NORTH CAROLINA	BUNCOMBE	51,024	113,908,210	92.717574
GEORGIA	BRYAN	51,002	113,959,212	92.759088

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*

*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
NORTH CAROLINA	BRUNSWICK	50,973	114,010,185	92.800578
KANSAS	LEAVENWORTH	50,455	114,060,640	92.841647
MAINE	CUMBERLAND	50,249	114,110,889	92.882548
LOUISIANA	ST. MARY	49,841	114,160,730	92.923117
OKLAHOMA	GARFIELD	48,584	114,209,314	92.962663
KENTUCKY	JEFFERSON	48,562	114,257,876	93.002191
WISCONSIN	RACINE	47,759	114,305,635	93.041065
SOUTH CAROLINA	SUMTER	47,210	114,352,845	93.079493
VIRGINIA	LYNCHBURG (CITY)	47,105	114,399,950	93.117834
ILLINOIS	DU PAGE	47,054	114,447,004	93.156135
ARKANSAS	OUACHITA	46,942	114,493,946	93.194344
PENNSYLVANIA	BERKS	46,884	114,540,830	93.232506
NORTH CAROLINA	MECKLENBURG	45,458	114,586,288	93.269508
NEW MEXICO	CURRY	45,254	114,631,542	93.306343
NEW YORK	KINGS	45,168	114,676,710	93.343108
MINNESOTA	WABASHA	44,874	114,721,584	93.379634
WISCONSIN	LA CROSSE	44,715	114,766,299	93.416031
UTAH	CACHE	44,277	114,810,576	93.452071
DELAWARE	NEW CASTLE	43,897	114,854,473	93.487801
IOWA	BLACK HAWK	43,386	114,897,859	93.523116
ILLINOIS	CHAMPAIGN	43,136	114,940,995	93.558227
MARYLAND	FREDERICK	43,015	114,984,010	93.593240
NEW HAMPSHIRE	ROCKINGHAM	42,809	115,026,819	93.628085
KENTUCKY	BOONE	42,370	115,069,189	93.662573
NEVADA	CHURCHILL	40,874	115,110,063	93.695843
PENNSYLVANIA	LACKAWANNA	40,332	115,150,395	93.728672
WEST VIRGINIA	MINGO	40,118	115,190,513	93.761327
NORTH CAROLINA	DURHAM	38,428	115,228,941	93.792606
FLORIDA	MARION	38,341	115,267,282	93.823814
TENNESSEE	HARDEMAN	38,297	115,305,579	93.854987
INDIANA	HENRY	38,250	115,343,829	93.886121
NEVADA	MINERAL	38,218	115,382,047	93.917229
MASSACHUSETTS	HAMPSHIRE	37,777	115,419,824	93.947979
NEW YORK	JEFFERSON	37,663	115,457,487	93.978635
SOUTH CAROLINA	BEAUFORT	37,495	115,494,982	94.009155
ARIZONA	LA PAZ	37,490	115,532,472	94.039671
TEXAS	LUBBOCK	37,142	115,569,614	94.069903
HAWAII	HAWAII	37,104	115,606,718	94.100104
VIRGINIA	SMYTH	37,079	115,643,797	94.130285
NEW YORK	TOMPKINS	36,804	115,680,601	94.160243
CALIFORNIA	SAN LUIS OBISPO	36,713	115,717,314	94.190126
VIRGINIA	YORK	36,623	115,753,937	94.219936
TENNESSEE	ANDERSON	36,548	115,790,485	94.249685
PENNSYLVANIA	CUMBERLAND	36,480	115,826,965	94.279378
MINNESOTA	DAKOTA	35,961	115,862,926	94.308649
OHIO	LUCAS	35,807	115,898,733	94.337795



**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
VIRGINIA	CHESAPEAKE (CITY)	35,434	115,934,167	94.366637
GEORGIA	DECATUR	35,324	115,969,491	94.395390
SOUTH DAKOTA	MEADE	34,990	116,004,481	94.423870
PENNSYLVANIA	FRANKLIN	34,769	116,039,250	94.452171
MARYLAND	CHARLES	34,729	116,073,979	94.480440
LOUISIANA	ST. TAMMANY	34,383	116,108,362	94.508426
KANSAS	JOHNSON	34,272	116,142,634	94.536323
PENNSYLVANIA	ERIE	33,542	116,176,176	94.563625
CALIFORNIA	NEVADA	32,833	116,209,009	94.590350
FLORIDA	PASCO	32,748	116,241,757	94.617005
COLORADO	ARAPAHOE	32,620	116,274,377	94.643557
NEBRASKA	DOUGLAS	32,472	116,306,849	94.669988
TEXAS	HALE	32,251	116,339,100	94.696239
NORTH DAKOTA	ROLETTE	31,959	116,371,059	94.722253
ALABAMA	ETOWAH	31,923	116,402,982	94.748237
CALIFORNIA	SONOMA	31,893	116,434,875	94.774197
FLORIDA	MONROE	31,648	116,466,523	94.799958
ILLINOIS	PEORIA	31,496	116,498,019	94.825594
NORTH DAKOTA	GRAND FORKS	31,188	116,529,207	94.850980
PENNSYLVANIA	LEHIGH	30,932	116,560,139	94.876158
FLORIDA	LEON	30,716	116,590,855	94.901160
PENNSYLVANIA	MONROE	30,528	116,621,383	94.926009
MASSACHUSETTS	PLYMOUTH	30,249	116,651,632	94.950630
INDIANA	DE KALB	30,173	116,681,805	94.975190
NEW JERSEY	CUMBERLAND	30,151	116,711,956	94.999732
FLORIDA	TAYLOR	29,980	116,741,936	95.024135
WEST VIRGINIA	WAYNE	29,960	116,771,896	95.048521
NORTH CAROLINA	BURKE	29,888	116,801,784	95.072849
ILLINOIS	VERMILION	29,764	116,831,548	95.097076
COLORADO	JEFFERSON	29,154	116,860,702	95.120806
PENNSYLVANIA	FAYETTE	28,825	116,889,527	95.144269
LOUISIANA	PLAQUEMINES	28,639	116,918,166	95.167580
MISSOURI	HOWELL	28,428	116,946,594	95.190720
NORTH CAROLINA	NEW HANOVER	27,933	116,974,527	95.213456
LOUISIANA	RAPIDES	27,853	117,002,380	95.236128
KENTUCKY	CARTER	27,719	117,030,099	95.258690
TEXAS	WEBB	27,705	117,057,804	95.281241
NORTH CAROLINA	MCDOWELL	27,623	117,085,427	95.303725
WYOMING	WESTON	27,311	117,112,738	95.325956
IOWA	DES MOINES	27,150	117,139,888	95.348055
MICHIGAN	OTTAWA	27,131	117,167,019	95.370139
WYOMING	LARAMIE	27,037	117,194,056	95.392146
NEW JERSEY	OCEAN	27,028	117,221,084	95.414146
WISCONSIN	DANE	26,998	117,248,082	95.436121
ALABAMA	TUSCALOOSA	26,833	117,274,915	95.457962
NORTH DAKOTA	WARD	26,825	117,301,740	95.479797

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
MICHIGAN	MARQUETTE	26,531	117,328,271	95.501392
GEORGIA	RICHMOND	26,508	117,354,779	95.522969
PENNSYLVANIA	CLEARFIELD	26,467	117,381,246	95.544512
NORTH CAROLINA	ROCKINGHAM	26,449	117,407,695	95.566041
CALIFORNIA	MERCED	26,331	117,434,026	95.587474
MARYLAND	CALVERT	26,226	117,460,252	95.608821
LOUISIANA	VERNON	26,149	117,486,401	95.630105
MICHIGAN	JACKSON	25,710	117,512,111	95.651032
VIRGINIA	LOUDOUN	25,590	117,537,701	95.671862
NORTH DAKOTA	BENSON	25,314	117,563,015	95.692466
WASHINGTON	ISLAND	25,157	117,588,172	95.712943
NEBRASKA	LANCASTER	25,110	117,613,282	95.733382
MARYLAND	CARROLL	25,109	117,638,391	95.753820
MARYLAND	WASHINGTON	25,030	117,663,421	95.774194
MICHIGAN	KALAMAZOO	24,949	117,688,370	95.794501
NORTH CAROLINA	WAYNE	24,853	117,713,223	95.814731
MASSACHUSETTS	HAMPDEN	24,811	117,738,034	95.834926
CALIFORNIA	FRESNO	24,689	117,762,723	95.855022
NEW JERSEY	WARREN	24,653	117,787,376	95.875089
LOUISIANA	JEFFERSON	24,576	117,811,952	95.895093
MISSISSIPPI	PEARL RIVER	24,474	117,836,426	95.915014
COLORADO	MESA	24,469	117,860,895	95.934931
ILLINOIS	WILL	24,465	117,885,360	95.954845
UTAH	UTAH	23,992	117,909,352	95.974373
TEXAS	SMITH	23,677	117,933,029	95.993646
MINNESOTA	ITASCA	23,496	117,956,525	96.012771
NEW MEXICO	TORRANCE	23,475	117,980,000	96.031879
NEW YORK	ALBANY	23,345	118,003,345	96.050881
OHIO	MIAMI	23,310	118,026,655	96.069854
ARIZONA	PINAL	23,013	118,049,668	96.088586
OHIO	CHAMPAIGN	22,735	118,072,403	96.107092
FLORIDA	SANTA ROSA	22,723	118,095,126	96.125587
ARKANSAS	JEFFERSON	22,583	118,117,709	96.143969
ALASKA	KENAI PENINSULA	22,443	118,140,152	96.162237
WISCONSIN	DOOR	22,336	118,162,488	96.180418
WISCONSIN	SAUK	22,313	118,184,801	96.198580
WASHINGTON	FRANKLIN	22,171	118,206,972	96.216626
WISCONSIN	MONROE	22,095	118,229,067	96.234611
OHIO	AUGLAIZE	22,005	118,251,072	96.252522
VIRGINIA	CHARLOTTESVILLE (CITY)	21,821	118,272,893	96.270284
LOUISIANA	WEST BATON ROUGE	21,765	118,294,658	96.288000
OKLAHOMA	CLEVELAND	21,708	118,316,366	96.305670
CONNECTICUT	MIDDLESEX	21,618	118,337,984	96.323266
ARKANSAS	FRANKLIN	21,445	118,359,429	96.340721
WISCONSIN	ROCK	21,439	118,380,868	96.358172

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
ALABAMA	CHEROKEE	21,303	118,402,171	96.375512
MASSACHUSETTS	BARNSTABLE	21,302	118,423,473	96.392851
MISSISSIPPI	TISHOMINGO	21,243	118,444,716	96.410142
PENNSYLVANIA	GREENE	21,138	118,465,854	96.427348
OHIO	MONTGOMERY	20,874	118,486,728	96.444339
NORTH CAROLINA	MONTGOMERY	20,742	118,507,470	96.461222
ARKANSAS	SEBASTIAN	20,685	118,528,155	96.478059
INDIANA	MARTIN	20,553	118,548,708	96.494788
MICHIGAN	NEWAYGO	20,423	118,569,131	96.511412
OREGON	YAMHILL	20,413	118,589,544	96.528028
ALABAMA	DALE	20,388	118,609,932	96.544623
OHIO	PORTAGE	20,317	118,630,249	96.561160
WISCONSIN	WAUKESHA	20,298	118,650,547	96.577682
PENNSYLVANIA	DAUPHIN	20,082	118,670,629	96.594028
NEW MEXICO	MCKINLEY	19,890	118,690,519	96.610218
GEORGIA	HALL	19,831	118,710,350	96.626360
CONNECTICUT	LITCHFIELD	19,752	118,730,102	96.642437
GEORGIA	DOUGHERTY	19,574	118,749,676	96.658370
WISCONSIN	VERNON	19,572	118,769,248	96.674301
FLORIDA	SEMINOLE	19,467	118,788,715	96.690146
NEW YORK	NIAGARA	19,351	118,808,066	96.705897
TENNESSEE	DAVIDSON	19,289	118,827,355	96.721598
OKLAHOMA	PAYNE	19,285	118,846,640	96.737295
NORTH CAROLINA	EDGECOMBE	19,157	118,865,797	96.752889
ARKANSAS	CROSS	19,152	118,884,949	96.768478
WISCONSIN	CHIPPEWA	18,880	118,903,829	96.783845
WEST VIRGINIA	MINERAL	18,800	118,922,629	96.799148
MICHIGAN	EATON	18,752	118,941,381	96.814411
HAWAII	MAUI	18,638	118,960,019	96.829582
WEST VIRGINIA	GREENBRIER	18,433	118,978,452	96.844586
INDIANA	MONROE	18,385	118,996,837	96.859551
VIRGINIA	WILLIAMSBURG (CITY)	18,370	119,015,207	96.874503
LOUISIANA	GRANT	18,244	119,033,451	96.889353
TEXAS	TAYLOR	18,193	119,051,644	96.904162
VIRGINIA	FAUQUIER	18,103	119,069,747	96.918897
FLORIDA	ALACHUA	18,031	119,087,778	96.933574
VIRGINIA	LEE	17,917	119,105,695	96.948158
PENNSYLVANIA	BUTLER	17,874	119,123,569	96.962707
TEXAS	CARSON	17,849	119,141,418	96.977235
OKLAHOMA	JACKSON	17,810	119,159,228	96.991732
MISSISSIPPI	COPIAH	17,669	119,176,897	97.006114
NORTH DAKOTA	CASS	17,582	119,194,479	97.020425
IDAHO	ELMORE	17,555	119,212,034	97.034714
CALIFORNIA	STANISLAUS	17,553	119,229,587	97.049002
ILLINOIS	KANE	17,358	119,246,945	97.063131
ALABAMA	FRANKLIN	17,250	119,264,195	97.077172

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
INDIANA	WHITLEY	16,969	119,281,164	97.090984
IDAHO	ADA	16,869	119,298,033	97.104715
TEXAS	TOM GREEN	16,759	119,314,792	97.118356
NORTH CAROLINA	BERTIE	16,739	119,331,531	97.131981
GEORGIA	BIBB	16,625	119,348,156	97.145513
TENNESSEE	LOUDON	16,525	119,364,681	97.158964
KENTUCKY	HARLAN	16,520	119,381,201	97.172411
WISCONSIN	LANGLADE	16,490	119,397,691	97.185833
TEXAS	VAL VERDE	16,367	119,414,058	97.199155
CALIFORNIA	YOLO	16,310	119,430,368	97.212431
ILLINOIS	EFFINGHAM	16,266	119,446,634	97.225671
KANSAS	RILEY	16,221	119,462,855	97.238874
TEXAS	TRAVIS	16,075	119,478,930	97.251959
GEORGIA	MCINTOSH	15,997	119,494,927	97.264980
SOUTH CAROLINA	BARNWELL	15,920	119,510,847	97.277938
NEW YORK	CHAUTAUQUA	15,902	119,526,749	97.290882
OHIO	CLARK	15,716	119,542,465	97.303674
PENNSYLVANIA	LYCOMING	15,615	119,558,080	97.316384
GEORGIA	TROUP	15,580	119,573,660	97.329066
PENNSYLVANIA	CLINTON	15,551	119,589,211	97.341724
OKLAHOMA	MUSKOGEE	15,157	119,604,368	97.354061
MINNESOTA	ST. LOUIS	15,084	119,619,452	97.366339
GEORGIA	LOWNDES	14,982	119,634,434	97.378534
MISSOURI	NEWTON	14,902	119,649,336	97.390664
VIRGINIA	BEDFORD (CITY)	14,850	119,664,186	97.402751
MICHIGAN	CALHOUN	14,703	119,678,889	97.414719
ARKANSAS	PHILLIPS	14,652	119,693,541	97.426645
OHIO	WARREN	14,591	119,708,132	97.438522
CALIFORNIA	MARIN	14,533	119,722,665	97.450351
IOWA	SCOTT	14,432	119,737,097	97.462098
KENTUCKY	MCCREARY	14,422	119,751,519	97.473837
NEW YORK	OTSEGO	14,389	119,765,908	97.485550
MISSISSIPPI	MARION	14,359	119,780,267	97.497237
TENNESSEE	UNICOI	14,033	119,794,300	97.508660
KENTUCKY	WARREN	13,997	119,808,297	97.520053
MONTANA	ROOSEVELT	13,917	119,822,214	97.531381
ARIZONA	YUMA	13,896	119,836,110	97.542692
IDAHO	CLEARWATER	13,762	119,849,872	97.553894
KANSAS	LABETTE	13,755	119,863,627	97.565090
NEW HAMPSHIRE	GRAFTON	13,737	119,877,364	97.576271
OKLAHOMA	TULSA	13,596	119,890,960	97.587338
IOWA	DUBUQUE	13,559	119,904,519	97.598374
KENTUCKY	MADISON	13,529	119,918,048	97.609387
MICHIGAN	ST. CLAIR	13,528	119,931,576	97.620398
ALABAMA	CHOCTAW	13,410	119,944,986	97.631313

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
VIRGINIA	NOTTOWAY	13,357	119,958,343	97.642185
PENNSYLVANIA	WESTMORELAND	13,261	119,971,604	97.652979
MICHIGAN	ALLEGAN	13,235	119,984,839	97.663752
CALIFORNIA	IMPERIAL	13,122	119,997,961	97.674433
LOUISIANA	ST. BERNARD	13,113	120,011,074	97.685107
ALABAMA	TALLADEGA	13,053	120,024,127	97.695731
CONNECTICUT	WINDHAM	13,037	120,037,164	97.706343
WISCONSIN	JUNEAU	12,965	120,050,129	97.716896
WEST VIRGINIA	BERKELEY	12,911	120,063,040	97.727405
IOWA	MUSCATINE	12,873	120,075,913	97.737884
PENNSYLVANIA	CARBON	12,826	120,088,739	97.748323
NEVADA	NYE	12,784	120,101,523	97.758729
MISSISSIPPI	LAUDERDALE	12,574	120,114,097	97.768964
MISSISSIPPI	CLAY	12,349	120,126,446	97.779016
WISCONSIN	OZAUKEE	12,343	120,138,789	97.789063
SOUTH CAROLINA	JASPER	12,291	120,151,080	97.799067
MICHIGAN	BERRIEN	12,281	120,163,361	97.809063
SOUTH CAROLINA	HORRY	12,269	120,175,630	97.819050
ARKANSAS	POPE	12,267	120,187,897	97.829035
NORTH CAROLINA	HAYWOOD	12,256	120,200,153	97.839011
CALIFORNIA	TULARE	12,146	120,212,299	97.848897
WEST VIRGINIA	MARION	12,140	120,224,439	97.858779
OHIO	FRANKLIN	12,132	120,236,571	97.868654
KENTUCKY	PIKE	12,042	120,248,613	97.878456
OHIO	DELAWARE	12,041	120,260,654	97.888257
MISSISSIPPI	LEFLORE	11,952	120,272,606	97.897985
WASHINGTON	YAKIMA	11,951	120,284,557	97.907713
MAINE	AROOSTOOK	11,943	120,296,500	97.917434
VIRGINIA	DINWIDDIE	11,837	120,308,337	97.927069
VIRGINIA	DANVILLE (CITY)	11,815	120,320,152	97.936686
VIRGINIA	FREDERICKSBURG (CITY)	11,710	120,331,862	97.946218
CALIFORNIA	YUBA	11,696	120,343,558	97.955738
FLORIDA	MARTIN	11,682	120,355,240	97.965247
MICHIGAN	IOSCO	11,672	120,366,912	97.974747
TENNESSEE	GREENE	11,666	120,378,578	97.984243
RHODE ISLAND	KENT	11,662	120,390,240	97.993735
SOUTH DAKOTA	HUTCHINSON	11,588	120,401,828	98.003168
LOUISIANA	WEST FELICIANA	11,585	120,413,413	98.012598
VIRGINIA	CUMBERLAND	11,497	120,424,910	98.021956
LOUISIANA	CADDO	11,320	120,436,230	98.031170
SOUTH DAKOTA	YANKTON	11,136	120,447,366	98.040234
ILLINOIS	CALHOUN	11,085	120,458,451	98.049257
MINNESOTA	OLMSTED	10,853	120,469,304	98.058091
MINNESOTA	BROWN	10,841	120,480,145	98.066915
TEXAS	LAMAR	10,828	120,490,973	98.075729

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
KANSAS	WYANDOTTE	10,827	120,501,800	98.084542
NEW YORK	WAYNE	10,675	120,512,475	98.093231
NORTH CAROLINA	CLEVELAND	10,672	120,523,147	98.101917
OHIO	HURON	10,661	120,533,808	98.110595
INDIANA	CASS	10,653	120,544,461	98.119266
ALABAMA	MORGAN	10,638	120,555,099	98.127925
WISCONSIN	BROWN	10,595	120,565,694	98.136549
IOWA	POTTAWATTAMIE	10,540	120,576,234	98.145129
TENNESSEE	KNOX	10,498	120,586,732	98.153674
OHIO	LORAIN	10,434	120,597,166	98.162167
ALABAMA	RANDOLPH	10,343	120,607,509	98.170585
GEORGIA	CLAYTON	10,342	120,617,851	98.179003
WEST VIRGINIA	HARRISON	10,321	120,628,172	98.187404
IDAHO	BINGHAM	10,277	120,638,449	98.195770
MINNESOTA	MOWER	10,184	120,648,633	98.204059
INDIANA	VIGO	10,155	120,658,788	98.212325
FLORIDA	ST. JOHNS	10,104	120,668,892	98.220549
ARKANSAS	COLUMBIA	10,081	120,678,973	98.228755
MISSISSIPPI	WASHINGTON	10,058	120,689,031	98.236942
MICHIGAN	DICKINSON	9,940	120,698,971	98.245032
NEW YORK	ONTARIO	9,878	120,708,849	98.253073
TEXAS	ARCHER	9,821	120,718,670	98.261067
OHIO	MAHONING	9,770	120,728,440	98.269019
PENNSYLVANIA	VENANGO	9,750	120,738,190	98.276955
FLORIDA	COLLIER	9,750	120,747,940	98.284892
CALIFORNIA	KINGS	9,720	120,757,660	98.292803
NEW YORK	STEUBEN	9,645	120,767,305	98.300654
NEW YORK	CHENANGO	9,632	120,776,937	98.308494
PENNSYLVANIA	LUZERNE	9,554	120,786,491	98.316271
FLORIDA	CLAY	9,540	120,796,031	98.324036
IOWA	LEE	9,511	120,805,542	98.331778
NEW YORK	ULSTER	9,377	120,814,919	98.339410
MAINE	WALDO	9,347	120,824,266	98.347019
NEW YORK	ROCKLAND	9,340	120,833,606	98.354621
INDIANA	VERMILLION	9,334	120,842,940	98.362219
SOUTH DAKOTA	PENNINGTON	9,235	120,852,175	98.369736
ARKANSAS	MISSISSIPPI	9,223	120,861,398	98.377243
PENNSYLVANIA	LEBANON	9,194	120,870,592	98.384726
LOUISIANA	RED RIVER	9,108	120,879,700	98.392140
OHIO	BUTLER	9,043	120,888,743	98.399501
MICHIGAN	BAY	8,911	120,897,654	98.406754
NORTH CAROLINA	ALAMANCE	8,858	120,906,512	98.413964
OHIO	OTTAWA	8,847	120,915,359	98.421165
NEW MEXICO	LOS ALAMOS	8,828	120,924,187	98.428351
MINNESOTA	GOODHUE	8,755	120,932,942	98.435477

TABLE D-1

1991 Defense Prime Contract Awards by County (Continued)  
 (Sorted by value of transaction)

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
FLORIDA	INDIAN RIVER	8,731	120,941,673	98.442584
IDAHO	BANNOCK	8,685	120,950,358	98.449653
VIRGINIA	CAMPBELL	8,636	120,958,994	98.456683
ALASKA	BRISTOL BAY	8,570	120,967,564	98.463658
NORTH CAROLINA	ROBESON	8,477	120,976,041	98.470558
VIRGINIA	HOPEWELL (CITY)	8,438	120,984,479	98.477427
MARYLAND	WICOMICO	8,405	120,992,884	98.484268
MARYLAND	CECIL	8,352	121,001,236	98.491066
MICHIGAN	SAGINAW	8,167	121,009,403	98.497714
OREGON	JOSEPHINE	8,164	121,017,567	98.504359
NEW YORK	LEWIS	8,124	121,025,691	98.510972
NORTH CAROLINA	DAVIDSON	8,039	121,033,730	98.517515
NEVADA	WASHOE	8,007	121,041,737	98.524033
INDIANA	GREENE	7,923	121,049,660	98.530482
OKLAHOMA	PITTSBURG	7,917	121,057,577	98.536926
PENNSYLVANIA	WARREN	7,899	121,065,476	98.543356
ARKANSAS	BENTON	7,882	121,073,358	98.549771
FLORIDA	SARASOTA	7,879	121,081,237	98.556185
MISSOURI	CASS	7,826	121,089,063	98.562555
MINNESOTA	WATONWAN	7,796	121,096,859	98.568900
NEW YORK	RENSSELAER	7,790	121,104,649	98.575241
MISSISSIPPI	HANCOCK	7,782	121,112,431	98.581575
KENTUCKY	FAYETTE	7,680	121,120,111	98.587827
NEW HAMPSHIRE	BELKNAP	7,676	121,127,787	98.594075
ARKANSAS	BOONE	7,666	121,135,453	98.600315
NORTH CAROLINA	CARTERET	7,663	121,143,116	98.606552
TENNESSEE	GIBSON	7,660	121,150,776	98.612787
INDIANA	TIPPECANOE	7,470	121,158,246	98.618867
FLORIDA	POLK	7,466	121,165,712	98.624944
WYOMING	NATRONA	7,458	121,173,170	98.631015
NEW YORK	CAYUGA	7,435	121,180,605	98.637067
UTAH	SUMMIT	7,417	121,188,022	98.643104
PENNSYLVANIA	SCHUYLKILL	7,398	121,195,420	98.649126
ILLINOIS	KANKAKEE	7,379	121,202,799	98.655132
DELAWARE	SUSSEX	7,378	121,210,177	98.661138
NORTH DAKOTA	PEMBINA	7,374	121,217,551	98.667140
MAINE	KNOX	7,294	121,224,845	98.673077
OHIO	RICHLAND	7,240	121,232,085	98.678970
ARKANSAS	ARKANSAS	7,204	121,239,289	98.684834
MAINE	PENOBSCOT	7,154	121,246,443	98.690657
TENNESSEE	MAURY	7,153	121,253,596	98.696479
NORTH CAROLINA	DARE	7,148	121,260,744	98.702297
ALABAMA	CULLMAN	7,124	121,267,868	98.708096
WISCONSIN	OUTAGAMIE	7,113	121,274,981	98.713886
KENTUCKY	KNOX	7,098	121,282,079	98.719663
IOWA	WOODBURY	7,071	121,289,150	98.725419

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
INDIANA	HAMILTON	7,053	121,296,203	98.731160
WISCONSIN	CALUMET	6,965	121,303,168	98.736829
ALASKA	SOUTHEAST FAIRBANKS	6,958	121,310,126	98.742493
WASHINGTON	SKAGIT	6,925	121,317,051	98.748129
OHIO	COSHOCTON	6,909	121,323,960	98.753753
MICHIGAN	LIVINGSTON	6,850	121,330,810	98.759329
GEORGIA	POLK	6,817	121,337,627	98.764878
LOUISIANA	CONCORDIA	6,785	121,344,412	98.770400
KANSAS	SUMNER	6,734	121,351,146	98.775882
WISCONSIN	BURNETT	6,727	121,357,873	98.781357
MONTANA	VALLEY	6,726	121,364,599	98.786832
VERMONT	ADDISON	6,719	121,371,318	98.792301
MONTANA	LAKE	6,621	121,377,939	98.797690
SOUTH CAROLINA	AIKEN	6,616	121,384,555	98.803076
ALABAMA	PICKENS	6,563	121,391,118	98.808418
OHIO	COLUMBIANA	6,530	121,397,648	98.813733
NORTH CAROLINA	GASTON	6,519	121,404,167	98.819039
NEBRASKA	DAKOTA	6,431	121,410,598	98.824274
NEW YORK	FULTON	6,429	121,417,027	98.829507
VIRGINIA	CHESTERFIELD	6,390	121,423,417	98.834708
MARYLAND	KENT	6,345	121,429,762	98.839873
ALASKA	VALDEZ-CORDOVA	6,329	121,436,091	98.845024
MISSOURI	GREENE	6,271	121,442,362	98.850129
MINNESOTA	CARVER	6,268	121,448,630	98.855230
NEBRASKA	SCOTTS BLUFF	6,257	121,454,887	98.860323
NORTH CAROLINA	LENOIR	6,211	121,461,098	98.865379
COLORADO	WELD	6,201	121,467,299	98.870426
RHODE ISLAND	WASHINGTON	6,165	121,473,464	98.875445
INDIANA	ELKHART	6,165	121,479,629	98.880463
MARYLAND	WORCESTER	6,149	121,485,778	98.885468
TENNESSEE	MORGAN	6,092	121,491,870	98.890426
COLORADO	LARIMER	6,086	121,497,956	98.895380
PENNSYLVANIA	SOMERSET	6,035	121,503,991	98.900293
MISSOURI	WEBSTER	5,975	121,509,966	98.905156
COLORADO	PUEBLO	5,946	121,515,912	98.909996
PENNSYLVANIA	SUSQUEHANNA	5,877	121,521,789	98.914780
WISCONSIN	MARINETTE	5,850	121,527,639	98.919541
MISSOURI	JASPER	5,838	121,533,477	98.924293
CALIFORNIA	PLACER	5,833	121,539,310	98.929041
FLORIDA	LEE	5,817	121,545,127	98.933776
NEW MEXICO	CIBOLA	5,811	121,550,938	98.938506
PENNSYLVANIA	NORTHAMPTON	5,806	121,556,744	98.943232
IOWA	ALLAMAKEE	5,780	121,562,524	98.947937
PENNSYLVANIA	BEAVER	5,770	121,568,294	98.952633
TEXAS	MONTGOMERY	5,751	121,574,045	98.957314



**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TEXAS	UVALDE	5,725	121,579,770	98.961974
ILLINOIS	MASSAC	5,720	121,585,490	98.966630
NORTH CAROLINA	JONES	5,637	121,591,127	98.971218
TEXAS	BRAZOS	5,636	121,596,763	98.975806
ARKANSAS	GARLAND	5,600	121,602,363	98.980364
OHIO	LAKE	5,589	121,607,952	98.984913
ARKANSAS	LAFAYETTE	5,568	121,613,520	98.989446
TENNESSEE	DYER	5,556	121,619,076	98.993968
WASHINGTON	CLARK	5,551	121,624,627	98.998486
NEW MEXICO	SAN JUAN	5,506	121,630,133	99.002968
CALIFORNIA	NAPA	5,458	121,635,591	99.007411
NEW HAMPSHIRE	SULLIVAN	5,418	121,641,009	99.011821
ILLINOIS	ADAMS	5,418	121,646,427	99.016231
INDIANA	WABASH	5,406	121,651,833	99.020631
INDIANA	LA PORTE	5,403	121,657,236	99.025029
TENNESSEE	LAUDERDALE	5,399	121,662,635	99.029424
NEBRASKA	THURSTON	5,372	121,668,007	99.033796
NEW MEXICO	SIERRA	5,341	121,673,348	99.038144
VIRGINIA	GOOCHLAND	5,330	121,678,678	99.042482
NEW YORK	SENECA	5,291	121,683,969	99.046789
OHIO	WASHINGTON	5,277	121,689,246	99.051084
MICHIGAN	DELTA	5,215	121,694,461	99.055329
COLORADO	TELLER	5,198	121,699,659	99.059560
TENNESSEE	TIPTON	5,195	121,704,854	99.063788
OHIO	HANCOCK	5,193	121,710,047	99.068015
ILLINOIS	MCHENRY	5,143	121,715,190	99.072202
VIRGINIA	BUCHANAN	5,081	121,720,271	99.076337
GEORGIA	GLYNN	5,059	121,725,330	99.080455
MISSOURI	CAPE GIRARDEAU	5,021	121,730,351	99.084542
TENNESSEE	FRANKLIN	5,011	121,735,362	99.088621
TEXAS	GREGG	4,996	121,740,358	99.092688
TENNESSEE	HAMILTON	4,985	121,745,343	99.096745
CALIFORNIA	LASSEN	4,963	121,750,306	99.100785
HAWAII	KAUAI	4,917	121,755,223	99.104787
OHIO	TRUMBULL	4,901	121,760,124	99.108776
MISSOURI	CALLAWAY	4,786	121,764,910	99.112672
SOUTH CAROLINA	OCONEE	4,783	121,769,693	99.116565
CALIFORNIA	SAN BENITO	4,731	121,774,424	99.120416
MICHIGAN	GOGEBIC	4,713	121,779,137	99.124252
ILLINOIS	MCLEAN	4,705	121,783,842	99.128082
NEW JERSEY	HUNTERDON	4,649	121,788,491	99.131866
PENNSYLVANIA	LAWRENCE	4,641	121,793,132	99.135644
MICHIGAN	ARENAC	4,633	121,797,765	99.139415
ALABAMA	LEE	4,627	121,802,392	99.143181
SOUTH CAROLINA	YORK	4,626	121,807,018	99.146947
MISSISSIPPI	JONES	4,620	121,811,638	99.150707

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
VIRGINIA	ROANOKE	4,603	121,816,241	99.154454
VIRGINIA	SUFFOLK (CITY)	4,600	121,820,841	99.158198
KANSAS	BARTON	4,596	121,825,437	99.161939
OKLAHOMA	WAGONER	4,570	121,830,007	99.165659
VIRGINIA	NORTHAMPTON	4,553	121,834,560	99.169365
OHIO	MEDINA	4,551	121,839,111	99.173069
NORTH CAROLINA	UNION	4,537	121,843,648	99.176762
SOUTH CAROLINA	LEXINGTON	4,533	121,848,181	99.180452
LOUISIANA	TERREBONNE	4,484	121,852,665	99.184102
VIRGINIA	ISLE OF WIGHT	4,481	121,857,146	99.187749
NORTH CAROLINA	WILSON	4,481	121,861,627	99.191397
INDIANA	PARKE	4,469	121,866,096	99.195034
NORTH CAROLINA	HARNETT	4,442	121,870,538	99.198650
VIRGINIA	FRANKLIN	4,398	121,874,936	99.202230
WASHINGTON	BENTON	4,349	121,879,285	99.205770
NORTH CAROLINA	PITT	4,199	121,883,484	99.209187
LOUISIANA	LINCOLN	4,186	121,887,670	99.212595
IOWA	POWESHIEK	4,181	121,891,851	99.215998
WISCONSIN	MARATHON	4,163	121,896,014	99.219387
KANSAS	CHEROKEE	4,158	121,900,172	99.222771
FLORIDA	OSCEOLA	4,156	121,904,328	99.226154
WEST VIRGINIA	KANAWHA	4,152	121,908,480	99.229533
OHIO	GUERNSEY	4,147	121,912,627	99.232909
OHIO	CLERMONT	4,142	121,916,769	99.236280
GEORGIA	MUSCOGEE	4,132	121,920,901	99.239644
IOWA	CERRO GORDO	4,068	121,924,969	99.242955
TEXAS	ANGELINA	4,064	121,929,033	99.246263
NEW YORK	CHEMUNG	4,064	121,933,097	99.249571
MARYLAND	DORCHESTER	4,062	121,937,159	99.252877
NEW YORK	HERKIMER	4,057	121,941,216	99.256179
OHIO	SHELBY	4,033	121,945,249	99.259462
VIRGINIA	WINCHESTER (CITY)	4,030	121,949,279	99.262742
ILLINOIS	GRUNDY	4,012	121,953,291	99.266008
NEW MEXICO	SOCORRO	4,009	121,957,300	99.269271
MISSISSIPPI	JEFFERSON DAVIS	3,970	121,961,270	99.272503
MISSOURI	LEWIS	3,969	121,965,239	99.275733
MICHIGAN	GRAND TRAVERSE	3,953	121,969,192	99.278951
FLORIDA	MANATEE	3,940	121,973,132	99.282158
MISSISSIPPI	RANKIN	3,897	121,977,029	99.285330
MICHIGAN	MONROE	3,884	121,980,913	99.288492
PENNSYLVANIA	ADAMS	3,843	121,984,756	99.291620
GEORGIA	LAURENS	3,838	121,988,594	99.294744
UTAH	WASHINGTON	3,785	121,992,379	99.297824
OHIO	WOOD	3,753	121,996,132	99.300879
ARIZONA	COCONINO	3,749	121,999,881	99.303931

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TEXAS	POTTER	3,745	122,003,626	99.306979
LOUISIANA	NATCHITOCHE	3,737	122,007,363	99.310021
IOWA	HOWARD	3,723	122,011,086	99.313051
ILLINOIS	MONROE	3,717	122,014,803	99.316077
OKLAHOMA	LE FLORE	3,690	122,018,493	99.319080
TEXAS	DELTA	3,687	122,022,180	99.322082
OREGON	CLATSOP	3,682	122,025,862	99.325079
MICHIGAN	CHARLEVOIX	3,665	122,029,527	99.328062
TENNESSEE	RUTHERFORD	3,645	122,033,172	99.331029
ALABAMA	PIKE	3,633	122,036,805	99.333986
GEORGIA	MURRAY	3,629	122,040,434	99.336940
OHIO	SENECA	3,619	122,044,053	99.339885
OKLAHOMA	PONTOTOC	3,615	122,047,668	99.342828
ILLINOIS	CARROLL	3,609	122,051,277	99.345766
WISCONSIN	KENOSHA	3,606	122,054,883	99.348701
GEORGIA	FLOYD	3,583	122,058,466	99.351617
MAINE	HANCOCK	3,569	122,062,035	99.354522
CALIFORNIA	HUMBOLDT	3,541	122,065,576	99.357404
WISCONSIN	ST. CROIX	3,519	122,069,095	99.360269
IOWA	JOHNSON	3,505	122,072,600	99.363122
MICHIGAN	SANILAC	3,497	122,076,097	99.365968
MARYLAND	QUEEN ANNE'S	3,493	122,079,590	99.368811
WEST VIRGINIA	CALHOUN	3,478	122,083,068	99.371642
WASHINGTON	GRANT	3,469	122,086,537	99.374466
TEXAS	GRAY	3,460	122,089,997	99.377282
NEW JERSEY	SALEM	3,427	122,093,424	99.380072
TENNESSEE	OBION	3,413	122,096,837	99.382850
INDIANA	LAKE	3,411	122,100,248	99.385626
VIRGINIA	WISE	3,408	122,103,656	99.388400
NEBRASKA	ADAMS	3,368	122,107,024	99.391142
ALASKA	KODIAK ISLAND	3,340	122,110,364	99.393860
TEXAS	GRAYSON	3,330	122,113,694	99.396571
OREGON	TILLAMOOK	3,322	122,117,016	99.399275
WASHINGTON	GRAYS HARBOR	3,318	122,120,334	99.401976
CALIFORNIA	MADERA	3,303	122,123,637	99.404664
VIRGINIA	PAGE	3,292	122,126,929	99.407344
MARYLAND	ALLEGANY	3,290	122,130,219	99.410022
NEW HAMPSHIRE	STRAFFORD	3,285	122,133,504	99.412696
TENNESSEE	BRADLEY	3,261	122,136,765	99.415350
NEW JERSEY	CAPE MAY	3,215	122,139,980	99.417967
NEW YORK	MONTGOMERY	3,213	122,143,193	99.420582
VIRGINIA	ROCKINGHAM	3,206	122,146,399	99.423192
WEST VIRGINIA	CABELL	3,205	122,149,604	99.425801
OHIO	CRAWFORD	3,179	122,152,783	99.428388
WISCONSIN	WAUPACA	3,176	122,155,959	99.430973
COLORADO	ELBERT	3,173	122,159,132	99.433556

**TABLE D-1**  
*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
NEW YORK	WASHINGTON	3,172	122,162,304	99.436138
ILLINOIS	LIVINGSTON	3,158	122,165,462	99.438708
MICHIGAN	MIDLAND	3,154	122,168,616	99.441276
KANSAS	ATCHISON	3,147	122,171,763	99.443837
MICHIGAN	BARRY	3,137	122,174,900	99.446391
MISSISSIPPI	PANOLA	3,114	122,178,014	99.448925
SOUTH DAKOTA	CORSON	3,102	122,181,116	99.451450
ILLINOIS	LA SALLE	3,102	122,184,218	99.453975
GEORGIA	CLINCH	3,085	122,187,303	99.456486
MINNESOTA	POLK	3,075	122,190,378	99.458989
IDAHO	JEROME	3,053	122,193,431	99.461474
TEXAS	MEDINA	3,037	122,196,468	99.463946
VIRGINIA	MARTINSVILLE (CITY)	3,036	122,199,504	99.466417
MAINE	KENNEBEC	2,994	122,202,498	99.468855
MISSISSIPPI	LAFAYETTE	2,979	122,205,477	99.471279
FLORIDA	NASSAU	2,979	122,208,456	99.473704
VERMONT	RUTLAND	2,976	122,211,432	99.476126
ALABAMA	LIMESTONE	2,964	122,214,396	99.478539
NEBRASKA	HARLAN	2,960	122,217,356	99.480948
MINNESOTA	STEELE	2,959	122,220,315	99.483357
NEW YORK	RICHMOND	2,950	122,223,265	99.485758
RHODE ISLAND	BRISTOL	2,935	122,226,200	99.488147
NEW YORK	SARATOGA	2,923	122,229,123	99.490526
MASSACHUSETTS	FRANKLIN	2,916	122,232,039	99.492900
OHIO	WAYNE	2,899	122,234,938	99.495260
TENNESSEE	GRAINGER	2,897	122,237,835	99.497618
WISCONSIN	SHEBOYGAN	2,860	122,240,695	99.499946
MISSOURI	MONITEAU	2,860	122,243,555	99.502274
WEST VIRGINIA	MONONGALIA	2,854	122,246,409	99.504597
LOUISIANA	ST. MARTIN	2,844	122,249,253	99.506912
TEXAS	BROWN	2,836	122,252,089	99.509220
TENNESSEE	BLEDSON	2,835	122,254,924	99.511528
VIRGINIA	CAROLINE	2,827	122,257,751	99.513829
WASHINGTON	WALLA WALLA	2,815	122,260,566	99.516120
KANSAS	REPUBLIC	2,768	122,263,334	99.518373
ALABAMA	HOUSTON	2,753	122,266,087	99.520614
PENNSYLVANIA	WASHINGTON	2,740	122,268,827	99.522844
ILLINOIS	TAZEWELL	2,728	122,271,555	99.525065
MINNESOTA	MCLEOD	2,721	122,274,276	99.527279
NORTH CAROLINA	MACON	2,685	122,276,961	99.529465
ILLINOIS	JEFFERSON	2,685	122,279,646	99.531650
GEORGIA	HART	2,684	122,282,330	99.533835
WISCONSIN	FOND DU LAC	2,671	122,285,001	99.536009
OREGON	MULTNOMAH	2,657	122,287,658	99.538172
LOUISIANA	LAFAYETTE	2,656	122,290,314	99.540334

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*

*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
KENTUCKY	LAWRENCE	2,643	122,292,957	99.542485
VIRGINIA	ACCOMACK	2,635	122,295,592	99.544630
NEW YORK	ST. LAWRENCE	2,632	122,298,224	99.546772
TENNESSEE	WILLIAMSON	2,630	122,300,854	99.548913
KENTUCKY	DAVISS	2,622	122,303,476	99.551047
LOUISIANA	ST. JAMES	2,589	122,306,065	99.553155
TEXAS	ORANGE	2,572	122,308,637	99.555248
TEXAS	PALO PINTO	2,557	122,311,194	99.557330
OREGON	MORROW	2,551	122,313,745	99.559406
KENTUCKY	RUSSELL	2,540	122,316,285	99.561473
MISSOURI	NEW MADRID	2,534	122,318,819	99.563536
ALASKA	BETHEL	2,533	122,321,352	99.565598
TEXAS	JOHNSON	2,519	122,323,871	99.567648
PENNSYLVANIA	CLARION	2,502	122,326,373	99.569685
INDIANA	FRANKLIN	2,496	122,328,869	99.571716
MISSISSIPPI	ITAWAMBA	2,494	122,331,363	99.573746
GEORGIA	PULASKI	2,491	122,333,854	99.575774
MICHIGAN	HOUGHTON	2,489	122,336,343	99.577800
OHIO	VAN WERT	2,460	122,338,803	99.579802
VIRGINIA	RADFORD (CITY)	2,459	122,341,262	99.581804
MISSOURI	FRANKLIN	2,441	122,343,703	99.583791
ARKANSAS	CALHOUN	2,439	122,346,142	99.585776
VIRGINIA	HENRICO	2,431	122,348,573	99.587755
OHIO	HARDIN	2,411	122,350,984	99.589717
TENNESSEE	LAWRENCE	2,407	122,353,391	99.591676
ALABAMA	COLBERT	2,382	122,355,773	99.593615
IOWA	APPANOOSE	2,372	122,358,145	99.595546
PENNSYLVANIA	MONTOUR	2,363	122,360,508	99.597469
TEXAS	BEE	2,349	122,362,857	99.599382
MISSOURI	DAVISS	2,348	122,365,205	99.601293
CALIFORNIA	SHASTA	2,334	122,367,539	99.603193
ILLINOIS	MORGAN	2,332	122,369,871	99.605091
TENNESSEE	MARSHALL	2,327	122,372,198	99.606985
SOUTH CAROLINA	ANDERSON	2,319	122,374,517	99.608872
INDIANA	KOSCIUSKO	2,312	122,376,829	99.610754
MICHIGAN	ALPENA	2,302	122,379,131	99.612628
NORTH DAKOTA	STUTSMAN	2,290	122,381,421	99.614492
SOUTH CAROLINA	SPARTANBURG	2,272	122,383,693	99.616341
KENTUCKY	LETCHER	2,259	122,385,952	99.618180
MISSISSIPPI	TATE	2,241	122,388,193	99.620004
ARKANSAS	UNION	2,235	122,390,428	99.621823
TEXAS	GILLESPIE	2,222	122,392,650	99.623632
VIRGINIA	EMPORIA (CITY)	2,219	122,394,869	99.625438
VIRGINIA	BRUNSWICK	2,213	122,397,082	99.627240
NORTH DAKOTA	CAVALIER	2,213	122,399,295	99.629041
NEW HAMPSHIRE	CHESHIRE	2,204	122,401,499	99.630835

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
INDIANA	MORGAN	2,203	122,403,702	99.632628
ILLINOIS	RANDOLPH	2,203	122,405,905	99.634421
WASHINGTON	COWLITZ	2,194	122,408,099	99.636207
WASHINGTON	CHELAN	2,193	122,410,292	99.637992
ALASKA	MATANUSKA-SUSITNA	2,166	122,412,458	99.639755
VIRGINIA	PATRICK	2,154	122,414,612	99.641508
KENTUCKY	GRAVES	2,150	122,416,762	99.643258
ILLINOIS	CASS	2,139	122,418,901	99.644999
WASHINGTON	WHITMAN	2,135	122,421,036	99.646737
INDIANA	MADISON	2,131	122,423,167	99.648472
NEW HAMPSHIRE	MERRIMACK	2,110	122,425,277	99.650189
VIRGINIA	MECKLENBURG	2,106	122,427,383	99.651904
MICHIGAN	INGHAM	2,093	122,429,476	99.653607
INDIANA	SHELBY	2,093	122,431,569	99.655311
TENNESSEE	PUTNAM	2,088	122,433,657	99.657010
KANSAS	SHAWNEE	2,065	122,435,722	99.658691
OHIO	ERIE	2,061	122,437,783	99.660369
MISSISSIPPI	BOLIVAR	2,056	122,439,839	99.662042
TENNESSEE	MCMINN	2,048	122,441,887	99.663709
NEW MEXICO	CHAVES	2,037	122,443,924	99.665367
NEW YORK	DELAWARE	2,031	122,445,955	99.667021
WISCONSIN	JEFFERSON	2,022	122,447,977	99.668666
ARKANSAS	DALLAS	2,016	122,449,993	99.670307
MINNESOTA	WASHINGTON	2,009	122,452,002	99.671943
ARKANSAS	CHICOT	2,004	122,454,006	99.673574
WISCONSIN	BUFFALO	1,999	122,456,005	99.675201
ARKANSAS	CARROLL	1,999	122,458,004	99.676828
ARKANSAS	PIKE	1,995	122,459,999	99.678452
ARIZONA	YAVAPAI	1,994	122,461,993	99.680075
OKLAHOMA	OKMULGEE	1,992	122,463,985	99.681696
NORTH CAROLINA	YANCEY	1,970	122,465,955	99.683300
NEW YORK	GREENE	1,968	122,467,923	99.684902
MISSOURI	LIVINGSTON	1,967	122,469,890	99.686503
KANSAS	SALINE	1,953	122,471,843	99.688093
INDIANA	DELAWARE	1,949	122,473,792	99.689679
LOUISIANA	OUACHITA	1,932	122,475,724	99.691252
IDAHO	BONNEVILLE	1,931	122,477,655	99.692823
TEXAS	SAN PATRICIO	1,925	122,479,580	99.694390
KENTUCKY	JOHNSON	1,921	122,481,501	99.695954
IOWA	CLAYTON	1,920	122,483,421	99.697517
GEORGIA	CARROLL	1,910	122,485,331	99.699071
SOUTH CAROLINA	PICKENS	1,907	122,487,238	99.700624
INDIANA	MONTGOMERY	1,900	122,489,138	99.702170
OREGON	KLAMATH	1,899	122,491,037	99.703716
WASHINGTON	DOUGLAS	1,887	122,492,924	99.705252

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
ALABAMA	CHILTON	1,872	122,494,796	99.706776
KENTUCKY	FULTON	1,862	122,496,658	99.708291
SOUTH CAROLINA	COLLETON	1,860	122,498,518	99.709805
KANSAS	LYON	1,853	122,500,371	99.711313
NEW YORK	MADISON	1,840	122,502,211	99.712811
OREGON	MARION	1,821	122,504,032	99.714293
TEXAS	CORYELL	1,808	122,505,840	99.715765
LOUISIANA	IBERVILLE	1,808	122,507,648	99.717237
SOUTH CAROLINA	FLORENCE	1,803	122,509,451	99.718704
TEXAS	FAYETTE	1,792	122,511,243	99.720163
MICHIGAN	ANTRIM	1,790	122,513,033	99.721620
UTAH	IRON	1,787	122,514,820	99.723074
KANSAS	BUTLER	1,785	122,516,605	99.724527
ILLINOIS	SANGAMON	1,783	122,518,388	99.725979
VIRGINIA	PITTSYLVANIA	1,779	122,520,167	99.727427
ILLINOIS	IROQUOIS	1,777	122,521,944	99.728873
FLORIDA	GADSDEN	1,764	122,523,708	99.730309
OKLAHOMA	BLAINE	1,756	122,525,464	99.731738
MISSOURI	PEMISCOT	1,751	122,527,215	99.733164
GEORGIA	BARTOW	1,749	122,528,964	99.734587
GEORGIA	HARRIS	1,747	122,530,711	99.736009
WEST VIRGINIA	PENDLETON	1,738	122,532,449	99.737424
PENNSYLVANIA	INDIANA	1,735	122,534,184	99.738836
VIRGINIA	HANOVER	1,732	122,535,916	99.740246
PENNSYLVANIA	JUNIATA	1,731	122,537,647	99.741655
INDIANA	HUNTINGTON	1,721	122,539,368	99.743056
GEORGIA	BURKE	1,718	122,541,086	99.744454
TEXAS	COOKE	1,713	122,542,799	99.745848
SOUTH CAROLINA	MCCORMICK	1,711	122,544,510	99.747241
KENTUCKY	LAUREL	1,711	122,546,221	99.748634
MICHIGAN	GENESEE	1,702	122,547,923	99.750019
SOUTH CAROLINA	BAMBERG	1,695	122,549,618	99.751399
GEORGIA	ELBERT	1,693	122,551,311	99.752777
MICHIGAN	MONTCALM	1,692	122,553,003	99.754154
INDIANA	WAYNE	1,686	122,554,689	99.755527
KANSAS	HARVEY	1,681	122,556,370	99.756895
ILLINOIS	HENDERSON	1,671	122,558,041	99.758255
TENNESSEE	DE KALB	1,662	122,559,703	99.759608
MISSISSIPPI	FORREST	1,658	122,561,361	99.760957
ILLINOIS	MERCER	1,656	122,563,017	99.762305
MISSOURI	BUCHANAN	1,646	122,564,663	99.763645
MAINE	WASHINGTON	1,646	122,566,309	99.764985
WISCONSIN	GREEN	1,643	122,567,952	99.766322
GEORGIA	LIBERTY	1,643	122,569,595	99.767660
COLORADO	DELTA	1,633	122,571,228	99.768989
MINNESOTA	WINONA	1,625	122,572,853	99.770311

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TENNESSEE	SCOTT	1,622	122,574,475	99.771632
MICHIGAN	ST. JOSEPH	1,601	122,576,076	99.772935
NEW JERSEY	ATLANTIC	1,588	122,577,664	99.774227
MISSOURI	BENTON	1,584	122,579,248	99.775517
TENNESSEE	CROCKETT	1,569	122,580,817	99.776794
NEW YORK	CORTLAND	1,569	122,582,386	99.778071
MISSOURI	BARRY	1,567	122,583,953	99.779346
GEORGIA	CLARKE	1,565	122,585,518	99.780620
VIRGINIA	LEXINGTON (CITY)	1,561	122,587,079	99.781891
IDAHO	BONNER	1,552	122,588,631	99.783154
ALABAMA	BALDWIN	1,551	122,590,182	99.784417
MISSOURI	JEFFERSON	1,550	122,591,732	99.785678
KENTUCKY	HARDIN	1,550	122,593,282	99.786940
TEXAS	VICTORIA	1,549	122,594,831	99.788201
NORTH CAROLINA	IREDELL	1,538	122,596,369	99.789453
ILLINOIS	STEPHENSON	1,524	122,597,893	99.790693
TEXAS	ANDERSON	1,517	122,599,410	99.791928
SOUTH CAROLINA	GEORGETOWN	1,517	122,600,927	99.793163
MICHIGAN	LENAWEE	1,517	122,602,444	99.794398
ARKANSAS	LONOKE	1,512	122,603,956	99.795628
LOUISIANA	WASHINGTON	1,511	122,605,467	99.796858
ALABAMA	CHAMBERS	1,509	122,606,976	99.798086
ARKANSAS	CRITTENDEN	1,504	122,608,480	99.799311
OREGON	SHERMAN	1,503	122,609,983	99.800534
CALIFORNIA	BUTTE	1,502	122,611,485	99.801757
INDIANA	JEFFERSON	1,500	122,612,985	99.802978
MISSISSIPPI	ALCORN	1,497	122,614,482	99.804196
NORTH CAROLINA	NASH	1,489	122,615,971	99.805408
MISSOURI	MARION	1,481	122,617,452	99.806614
NEW YORK	COLUMBIA	1,471	122,618,923	99.807811
FLORIDA	CITRUS	1,466	122,620,389	99.809004
KANSAS	OSBORNE	1,463	122,621,852	99.810195
LOUISIANA	AVOUELLES	1,461	122,623,313	99.811384
ILLINOIS	JACKSON	1,455	122,624,768	99.812569
MISSOURI	TANEY	1,454	122,626,222	99.813752
KANSAS	LINN	1,454	122,627,676	99.814936
FLORIDA	ST. LUCIE	1,446	122,629,122	99.816113
TEXAS	KING	1,441	122,630,563	99.817285
VIRGINIA	SOUTHAMPTON	1,438	122,632,001	99.818456
TENNESSEE	ROBERTSON	1,430	122,633,431	99.819620
KENTUCKY	BOYD	1,423	122,634,854	99.820778
OKLAHOMA	STEPHENS	1,417	122,636,271	99.821932
KENTUCKY	GRANT	1,417	122,637,688	99.823085
TENNESSEE	MADISON	1,416	122,639,104	99.824238
SOUTH DAKOTA	HUGHES	1,415	122,640,519	99.825389



**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TEXAS	CALHOUN	1,401	122,641,920	99.826530
OREGON	LANE	1,396	122,643,316	99.827666
MICHIGAN	CRAWFORD	1,396	122,644,712	99.828802
VERMONT	WASHINGTON	1,395	122,646,107	99.829938
PENNSYLVANIA	BRADFORD	1,391	122,647,498	99.831070
VIRGINIA	WYTHE	1,389	122,648,887	99.832201
NEW YORK	NEW YORK	1,368	122,650,255	99.833314
OHIO	PAULDING	1,366	122,651,621	99.834426
OHIO	WILLIAMS	1,366	122,652,987	99.835538
MINNESOTA	LAKE	1,357	122,654,344	99.836642
NORTH CAROLINA	CALDWELL	1,355	122,655,699	99.837745
LOUISIANA	ST. JOHN THE BAPTIST	1,343	122,657,042	99.838839
KANSAS	MARSHALL	1,342	122,658,384	99.839931
NEW MEXICO	SANDOVAL	1,340	122,659,724	99.841022
OHIO	TUSCARAWAS	1,337	122,661,061	99.842110
MISSOURI	PHELPS	1,333	122,662,394	99.843195
TENNESSEE	SMITH	1,326	122,663,720	99.844274
NORTH CAROLINA	LEE	1,321	122,665,041	99.845349
TENNESSEE	HENRY	1,319	122,666,360	99.846423
OHIO	MERCER	1,316	122,667,676	99.847494
OHIO	CLINTON	1,312	122,668,988	99.848562
ARKANSAS	ST. FRANCIS	1,310	122,670,298	99.849628
ARKANSAS	BAXTER	1,307	122,671,605	99.850692
KENTUCKY	JACKSON	1,305	122,672,910	99.851755
NEW YORK	OSWEGO	1,303	122,674,213	99.852815
ARKANSAS	JOHNSON	1,292	122,675,505	99.853867
MINNESOTA	LE SUEUR	1,291	122,676,796	99.854918
PENNSYLVANIA	HUNTINGDON	1,289	122,678,085	99.855967
FLORIDA	UNION	1,281	122,679,366	99.857010
WISCONSIN	CRAWFORD	1,275	122,680,641	99.858047
OHIO	FULTON	1,274	122,681,915	99.859084
VIRGINIA	COVINGTON (CITY)	1,273	122,683,188	99.860121
NORTH CAROLINA	JOHNSTON	1,257	122,684,445	99.861144
INDIANA	PORTER	1,257	122,685,702	99.862167
NORTH CAROLINA	ALLEGHANY	1,252	122,686,954	99.863186
SOUTH CAROLINA	DARLINGTON	1,251	122,688,205	99.864204
NEW MEXICO	GUADALUPE	1,244	122,689,449	99.865217
SOUTH CAROLINA	ALLENDALE	1,240	122,690,689	99.866226
LOUISIANA	CAMERON	1,240	122,691,929	99.867235
MICHIGAN	IRON	1,234	122,693,163	99.868240
WISCONSIN	DODGE	1,231	122,694,394	99.869242
KANSAS	MCPHERSON	1,230	122,695,624	99.870243
MISSISSIPPI	PERRY	1,226	122,696,850	99.871241
TEXAS	ELLIS	1,224	122,698,074	99.872237
TEXAS	MATAGORDA	1,203	122,699,277	99.873216
ARKANSAS	LEE	1,202	122,700,479	99.874195

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
NEBRASKA	WASHINGTON	1,195	122,701,674	99.875168
IDAHO	CANYON	1,185	122,702,859	99.876132
ILLINOIS	EDWARDS	1,176	122,704,035	99.877089
IOWA	MARION	1,169	122,705,204	99.878041
VERMONT	WINDSOR	1,167	122,706,371	99.878991
IOWA	FRANKLIN	1,165	122,707,536	99.879939
CALIFORNIA	MONO	1,163	122,708,699	99.880886
ARKANSAS	MILLER	1,163	122,709,862	99.881832
NEVADA	DOUGLAS	1,142	122,711,004	99.882762
VIRGINIA	ALBEMARLE	1,139	122,712,143	99.883689
ARKANSAS	YELL	1,132	122,713,275	99.884610
IOWA	POCAHONTAS	1,128	122,714,403	99.885529
TENNESSEE	BLOUNT	1,125	122,715,528	99.886444
MINNESOTA	CROW WING	1,124	122,716,652	99.887359
FLORIDA	HIGHLANDS	1,124	122,717,776	99.888274
TEXAS	CHEROKEE	1,123	122,718,899	99.889188
PENNSYLVANIA	NORTHUMBERLAND	1,118	122,720,017	99.890098
IOWA	BREMER	1,117	122,721,134	99.891007
NORTH DAKOTA	DIVIDE	1,115	122,722,249	99.891915
KANSAS	WICHITA	1,108	122,723,357	99.892817
NEW MEXICO	SANTA FE	1,105	122,724,462	99.893716
VIRGINIA	BRISTOL (CITY)	1,095	122,725,557	99.894607
KENTUCKY	MUHLENBERG	1,093	122,726,650	99.895497
SOUTH CAROLINA	ORANGEBURG	1,086	122,727,736	99.896381
CALIFORNIA	GLENN	1,085	122,728,821	99.897264
NORTH CAROLINA	PASQUOTANK	1,083	122,729,904	99.898146
TENNESSEE	CLAY	1,082	122,730,986	99.899027
OHIO	SANDUSKY	1,082	122,732,068	99.899907
MISSOURI	BUTLER	1,078	122,733,146	99.900785
TEXAS	WHARTON	1,077	122,734,223	99.901661
WISCONSIN	COLUMBIA	1,073	122,735,296	99.902535
NEW YORK	CATTARAUGUS	1,070	122,736,366	99.903406
LOUISIANA	CATAHOULA	1,069	122,737,435	99.904276
CALIFORNIA	CALAVERAS	1,066	122,738,501	99.905143
FLORIDA	FRANKLIN	1,063	122,739,564	99.906009
VIRGINIA	NORTON (CITY)	1,062	122,740,626	99.906873
INDIANA	FOUNTAIN	1,060	122,741,686	99.907736
INDIANA	GRANT	1,056	122,742,742	99.908596
MISSISSIPPI	GRENADA	1,055	122,743,797	99.909454
ALABAMA	MACON	1,055	122,744,852	99.910313
ALABAMA	WALKER	1,052	122,745,904	99.911169
INDIANA	FLOYD	1,042	122,746,946	99.912017
OKLAHOMA	WASHITA	1,041	122,747,987	99.912865
TEXAS	GUADALUPE	1,040	122,749,027	99.913711
MICHIGAN	ONTONAGON	1,040	122,750,067	99.914558

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TEXAS	HOUSTON	1,038	122,751,105	99.915403
ILLINOIS	WHITESIDE	1,038	122,752,143	99.916248
MISSISSIPPI	DE SOTO	1,035	122,753,178	99.917090
WISCONSIN	MANITOWOC	1,028	122,754,206	99.917927
MICHIGAN	SHIAWASSEE	1,022	122,755,228	99.918759
ALABAMA	LAMAR	1,022	122,756,250	99.919591
TENNESSEE	CARTER	1,021	122,757,271	99.920422
ALASKA	KETCHIKAN GATEWAY	1,019	122,758,290	99.921251
OHIO	LOGAN	1,014	122,759,304	99.922076
UTAH	CARBON	1,010	122,760,314	99.922899
MISSISSIPPI	MARSHALL	1,006	122,761,320	99.923717
INDIANA	MARSHALL	1,001	122,762,321	99.924532
PENNSYLVANIA	FULTON	996	122,763,317	99.925343
LOUISIANA	FRANKLIN	994	122,764,311	99.926152
TEXAS	RUSK	992	122,765,303	99.926959
NEW YORK	WARREN	990	122,766,293	99.927765
KENTUCKY	KENTON	990	122,767,283	99.928571
NEBRASKA	DAWSON	988	122,768,271	99.929375
ARKANSAS	FAULKNER	988	122,769,259	99.930180
TEXAS	HEMPHILL	980	122,770,239	99.930977
NEW YORK	SCHOHARIE	978	122,771,217	99.931773
ARKANSAS	CLEBURNE	978	122,772,195	99.932569
WISCONSIN	TREMPEALEAU	973	122,773,168	99.933361
NEBRASKA	SAUNDERS	970	122,774,138	99.934151
MICHIGAN	OCEANA	966	122,775,104	99.934937
VIRGINIA	SALEM (CITY)	964	122,776,068	99.935722
WISCONSIN	DOUGLAS	961	122,777,029	99.936504
ALASKA	NOME	958	122,777,987	99.937284
VIRGINIA	AUGUSTA	957	122,778,944	99.938063
FLORIDA	FLAGLER	955	122,779,899	99.938840
TEXAS	STEPHENS	950	122,780,849	99.939613
KENTUCKY	HOPKINS	948	122,781,797	99.940385
INDIANA	SULLIVAN	947	122,782,744	99.941156
TEXAS	LIMESTONE	946	122,783,690	99.941926
NORTH DAKOTA	TOWNER	938	122,784,628	99.942689
TEXAS	HILL	936	122,785,564	99.943451
NEBRASKA	PLATTE	926	122,786,490	99.944205
MISSOURI	CAMDEN	922	122,787,412	99.944955
GEORGIA	WHITFIELD	921	122,788,333	99.945705
GEORGIA	JEFF DAVIS	920	122,789,253	99.946454
OREGON	LINCOLN	912	122,790,165	99.947196
IOWA	STORY	909	122,791,074	99.947936
SOUTH CAROLINA	SALUDA	908	122,791,982	99.948675
OHIO	MEIGS	905	122,792,887	99.949412
ARIZONA	MOHAVE	902	122,793,789	99.950146
MICHIGAN	OSCEOLA	901	122,794,690	99.950880

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*

*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
ARKANSAS	POINSETT	901	122,795,591	99.951613
TENNESSEE	SUMNER	900	122,796,491	99.952345
WEST VIRGINIA	WOOD	899	122,797,390	99.953077
LOUISIANA	ASSUMPTION	894	122,798,284	99.953805
OKLAHOMA	NOBLE	892	122,799,176	99.954531
WEST VIRGINIA	RANDOLPH	891	122,800,067	99.955256
IDAHO	MADISON	878	122,800,945	99.955971
WEST VIRGINIA	RITCHIE	877	122,801,822	99.956685
OREGON	UMATILLA	877	122,802,699	99.957399
OREGON	COOS	871	122,803,570	99.958108
MISSISSIPPI	UNION	868	122,804,438	99.958814
NEVADA	CARSON CITY (CITY)	864	122,805,302	99.959517
MISSOURI	HENRY	864	122,806,166	99.960221
NORTH CAROLINA	ANSON	861	122,807,027	99.960921
WASHINGTON	CLALLAM	857	122,807,884	99.961619
VERMONT	BENNINGTON	856	122,808,740	99.962316
VIRGINIA	WAYNESBORO (CITY)	855	122,809,595	99.963012
MICHIGAN	CHIPPEWA	852	122,810,447	99.963705
INDIANA	KNOX	852	122,811,299	99.964399
OREGON	DESCHUTES	848	122,812,147	99.965089
MISSISSIPPI	HOLMES	848	122,812,995	99.965779
MICHIGAN	TUSCOLA	847	122,813,842	99.966469
PENNSYLVANIA	BEDFORD	844	122,814,686	99.967156
ALABAMA	SUMTER	840	122,815,526	99.967839
VERMONT	GRAND ISLE	827	122,816,353	99.968512
VIRGINIA	NELSON	816	122,817,169	99.969177
WEST VIRGINIA	RALEIGH	806	122,817,975	99.969833
MISSISSIPPI	LEE	805	122,818,780	99.970488
KANSAS	WILSON	805	122,819,585	99.971143
NEW YORK	ORLEANS	802	122,820,387	99.971796
PENNSYLVANIA	COLUMBIA	800	122,821,187	99.972447
MISSISSIPPI	TALLAHATCHIE	796	122,821,983	99.973095
MINNESOTA	POPE	794	122,822,777	99.973741
INDIANA	STEUBEN	789	122,823,566	99.974384
MINNESOTA	PINE	788	122,824,354	99.975025
ARIZONA	GRAHAM	788	122,825,142	99.975666
NEW YORK	YATES	787	122,825,929	99.976307
NORTH CAROLINA	SWAIN	786	122,826,715	99.976947
VIRGINIA	JAMES CITY	780	122,827,495	99.977582
KENTUCKY	NELSON	780	122,828,275	99.978217
OKLAHOMA	LOVE	778	122,829,053	99.978850
ILLINOIS	PIKE	768	122,829,821	99.979475
GEORGIA	PEACH	762	122,830,583	99.980095
MISSOURI	WAYNE	758	122,831,341	99.980712
CALIFORNIA	AMADOR	752	122,832,093	99.981324

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
WASHINGTON	STEVENS	742	122,832,835	99.981928
VIRGINIA	GRAYSON	742	122,833,577	99.982532
ARKANSAS	CRAIGHEAD	737	122,834,314	99.983132
MISSOURI	CRAWFORD	736	122,835,050	99.983731
NEW YORK	GENESEE	734	122,835,784	99.984329
MISSOURI	BOONE	725	122,836,509	99.984919
WEST VIRGINIA	NICHOLAS	720	122,837,229	99.985505
FLORIDA	HENDRY	715	122,837,944	99.986087
VIRGINIA	MATHEWS	713	122,838,657	99.986667
ALASKA	SITKA	713	122,839,370	99.987248
LOUISIANA	ST. LANDRY	712	122,840,082	99.987827
ILLINOIS	FRANKLIN	706	122,840,788	99.988402
TEXAS	KAUFMAN	705	122,841,493	99.988976
MICHIGAN	MASON	704	122,842,197	99.989549
SOUTH CAROLINA	GREENWOOD	703	122,842,900	99.990121
ALASKA	HAINES	703	122,843,603	99.990693
TEXAS	ARANSAS	700	122,844,303	99.991263
KANSAS	FRANKLIN	697	122,845,000	99.991830
WASHINGTON	PACIFIC	696	122,845,696	99.992397
NEW YORK	WYOMING	696	122,846,392	99.992963
OHIO	MARION	694	122,847,086	99.993528
ALABAMA	CLARKE	693	122,847,779	99.994092
MINNESOTA	AITKIN	690	122,848,469	99.994654
SOUTH DAKOTA	BUTTE	683	122,849,152	99.995210
TENNESSEE	GILES	682	122,849,834	99.995765
ILLINOIS	KENDALL	680	122,850,514	99.996318
VIRGINIA	GLOUCESTER	674	122,851,188	99.996867
TEXAS	CHAMBERS	674	122,851,862	99.997416
ILLINOIS	HENRY	674	122,852,536	99.997964
ALABAMA	FAYETTE	674	122,853,210	99.998513
MISSISSIPPI	MONTGOMERY	672	122,853,882	99.999060
NEW YORK	PUTNAM	669	122,854,551	99.999604
ALABAMA	MARION	669	122,855,220	100.000149
ALABAMA	WINSTON	663	122,855,883	100.000689
NEW YORK	DUTCHESS	661	122,856,544	100.001227
NEW MEXICO	EDDY	660	122,857,204	100.001764
OKLAHOMA	MAYES	659	122,857,863	100.002300
GEORGIA	GORDON	658	122,858,521	100.002836
NORTH CAROLINA	RANDOLPH	657	122,859,178	100.003371
GEORGIA	EMANUEL	651	122,859,829	100.003901
ILLINOIS	PULASKI	650	122,860,479	100.004430
KENTUCKY	MCCRACKEN	648	122,861,127	100.004957
WISCONSIN	WASHINGTON	645	122,861,772	100.005482
NORTH CAROLINA	MOORE	641	122,862,413	100.006004
INDIANA	CLAY	641	122,863,054	100.006526
FLORIDA	JACKSON	635	122,863,689	100.007042

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TEXAS	LIBERTY	633	122,864,322	100.007558
TENNESSEE	HAMBLÉN	632	122,864,954	100.008072
GEORGIA	ATKINSON	631	122,865,585	100.008586
NORTH DAKOTA	MCLEAN	629	122,866,214	100.009098
OREGON	WASCO	625	122,866,839	100.009606
ALABAMA	WILCOX	623	122,867,462	100.010114
KENTUCKY	LIVINGSTON	619	122,868,081	100.010617
INDIANA	DUBOIS	618	122,868,699	100.011120
KENTUCKY	BOYLE	613	122,869,312	100.011619
KENTUCKY	MONROE	613	122,869,925	100.012118
ALASKA	SKAGWAY-YAKUTAT- ANGOON	607	122,870,532	100.012612
OKLAHOMA	MAJOR	605	122,871,137	100.013105
MISSOURI	PERRY	605	122,871,742	100.013597
VIRGINIA	HENRY	603	122,872,345	100.014088
MISSISSIPPI	WINSTON	603	122,872,948	100.014579
MINNESOTA	BLUE EARTH	601	122,873,549	100.015068
ALASKA	WADE HAMPTON	598	122,874,147	100.015555
GEORGIA	CATOOSA	595	122,874,742	100.016039
ARIZONA	NAVAJO	592	122,875,334	100.016521
TENNESSEE	HUMPHREYS	585	122,875,919	100.016997
KENTUCKY	FLOYD	577	122,876,496	100.017467
PENNSYLVANIA	POTTER	575	122,877,071	100.017935
NORTH CAROLINA	CATAWBA	573	122,877,644	100.018401
ARKANSAS	WASHINGTON	572	122,878,216	100.018867
VIRGINIA	FREDERICK	571	122,878,787	100.019332
MISSOURI	MISSISSIPPI	571	122,879,358	100.019797
MISSISSIPPI	OKTIBBEHA	569	122,879,927	100.020260
WEST VIRGINIA	WIRT	556	122,880,483	100.020712
PENNSYLVANIA	MERCER	555	122,881,038	100.021164
NORTH CAROLINA	HENDERSON	555	122,881,593	100.021616
NEW YORK	ALLEGANY	551	122,882,144	100.022064
IDAHO	CASSIA	547	122,882,691	100.022509
PENNSYLVANIA	UNION	546	122,883,237	100.022954
LOUISIANA	IBERIA	546	122,883,783	100.023398
WEST VIRGINIA	JEFFERSON	541	122,884,324	100.023839
ARKANSAS	DREW	534	122,884,858	100.024273
MONTANA	HILL	530	122,885,388	100.024705
WISCONSIN	IOWA	529	122,885,917	100.025135
ILLINOIS	SHELBY	525	122,886,442	100.025563
MONTANA	GALLATIN	518	122,886,960	100.025984
TEXAS	CALLAHAN	516	122,887,476	100.026404
MISSOURI	PIKE	516	122,887,992	100.026824
LOUISIANA	POINTE COUPEE	516	122,888,508	100.027244
NEW MEXICO	RIO ARRIBA	511	122,889,019	100.027660
WASHINGTON	THURSTON	510	122,889,529	100.028075

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TEXAS	COMAL	510	122,890,039	100.028490
NEW MEXICO	VALENCIA	509	122,890,548	100.028905
ILLINOIS	KNOX	508	122,891,056	100.029318
ARKANSAS	CLARK	507	122,891,563	100.029731
KANSAS	RENO	505	122,892,068	100.030142
COLORADO	LA PLATA	503	122,892,571	100.030551
TENNESSEE	BEDFORD	498	122,893,069	100.030957
TEXAS	HAYS	496	122,893,565	100.031361
WEST VIRGINIA	SUMMERS	495	122,894,060	100.031763
TENNESSEE	SEVIER	495	122,894,555	100.032166
OHIO	ATHENS	495	122,895,050	100.032569
SOUTH DAKOTA	DAVISON	490	122,895,540	100.032968
MISSISSIPPI	YAZOO	490	122,896,030	100.033367
IDAHO	BOUNDARY	484	122,896,514	100.033761
ILLINOIS	CLAY	483	122,896,997	100.034154
INDIANA	FAYETTE	482	122,897,479	100.034546
WYOMING	SWEETWATER	481	122,897,960	100.034938
MONTANA	YELLOWSTONE	481	122,898,441	100.035329
LOUISIANA	EAST CARROLL	481	122,898,922	100.035721
LOUISIANA	JEFFERSON DAVIS	481	122,899,403	100.036112
MISSISSIPPI	WAYNE	479	122,899,882	100.036502
OHIO	SCIOTO	478	122,900,360	100.036891
NORTH CAROLINA	PENDER	477	122,900,837	100.037280
ALABAMA	DE KALB	477	122,901,314	100.037668
TEXAS	BURLESON	475	122,901,789	100.038055
IDAHO	KOOTENAI	473	122,902,262	100.038440
FLORIDA	PUTNAM	472	122,902,734	100.038824
MICHIGAN	HURON	470	122,903,204	100.039206
GEORGIA	HABERSHAM	466	122,903,670	100.039586
CALIFORNIA	MENDOCINO	462	122,904,132	100.039962
MARYLAND	TALBOT	460	122,904,592	100.040336
KENTUCKY	HENDERSON	460	122,905,052	100.040711
VIRGINIA	SPOTSYLVANIA	458	122,905,510	100.041083
GEORGIA	JACKSON	457	122,905,967	100.041455
VIRGINIA	SCOTT	454	122,906,421	100.041825
TEXAS	COLORADO	450	122,906,871	100.042191
TENNESSEE	COCKE	449	122,907,320	100.042557
WASHINGTON	COLUMBIA	444	122,907,764	100.042918
TENNESSEE	CHEATHAM	431	122,908,195	100.043269
LOUISIANA	TANGIPAOHA	430	122,908,625	100.043619
KANSAS	POTTAWATOMIE	429	122,909,054	100.043968
KENTUCKY	PULASKI	425	122,909,479	100.044314
COLORADO	DOUGLAS	424	122,909,903	100.044659
TEXAS	FANNIN	421	122,910,324	100.045002
NEVADA	LYON	421	122,910,745	100.045344
ILLINOIS	COLES	421	122,911,166	100.045687

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
GEORGIA	JONES	421	122,911,587	100.046030
MONTANA	SILVER BOW	419	122,912,006	100.046371
ILLINOIS	CLINTON	418	122,912,424	100.046711
TEXAS	CASS	417	122,912,841	100.047051
IOWA	DELAWARE	417	122,913,258	100.047390
INDIANA	PERRY	417	122,913,675	100.047729
SOUTH DAKOTA	BROOKINGS	413	122,914,088	100.048066
MISSOURI	ADAIR	413	122,914,501	100.048402
MICHIGAN	ISABELLA	410	122,914,911	100.048735
WYOMING	SUBLETTE	406	122,915,317	100.049066
MICHIGAN	LAPEER	406	122,915,723	100.049396
OKLAHOMA	BEAVER	403	122,916,126	100.049724
OHIO	DEFIANCE	403	122,916,529	100.050052
INDIANA	GIBSON	403	122,916,932	100.050381
VIRGINIA	CULPEPER	402	122,917,334	100.050708
ALABAMA	WASHINGTON	401	122,917,735	100.051034
PENNSYLVANIA	MIFFLIN	400	122,918,135	100.051360
NORTH DAKOTA	SARGENT	399	122,918,534	100.051684
TEXAS	CALDWELL	396	122,918,930	100.052007
OHIO	DARKE	396	122,919,326	100.052329
MARYLAND	CAROLINE	396	122,919,722	100.052651
TEXAS	SCHLEICHER	394	122,920,116	100.052972
OKLAHOMA	CHEROKEE	394	122,920,510	100.053293
KENTUCKY	HARRISON	392	122,920,902	100.053612
ARKANSAS	SEVIER	392	122,921,294	100.053931
ALASKA	JUNEAU	391	122,921,685	100.054249
NORTH CAROLINA	CHEROKEE	390	122,922,075	100.054567
ARKANSAS	MADISON	389	122,922,464	100.054883
MINNESOTA	WRIGHT	384	122,922,848	100.055196
OKLAHOMA	MCINTOSH	382	122,923,230	100.055507
OREGON	UNION	380	122,923,610	100.055816
TEXAS	DUVAL	377	122,923,987	100.056123
ILLINOIS	WABASH	375	122,924,362	100.056428
IDAHO	NEZ PERCE	371	122,924,733	100.056730
OHIO	ASHTABULA	369	122,925,102	100.057031
KENTUCKY	BARREN	369	122,925,471	100.057331
ARKANSAS	CRAWFORD	369	122,925,840	100.057631
OKLAHOMA	ROGERS	367	122,926,207	100.057930
WISCONSIN	PEPIN	366	122,926,573	100.058228
MONTANA	LEWIS AND CLARK	365	122,926,938	100.058525
WISCONSIN	WASHBURN	364	122,927,302	100.058821
KENTUCKY	CAMPBELL	364	122,927,666	100.059118
VIRGINIA	STAFFORD	361	122,928,027	100.059411
MARYLAND	GARRETT	359	122,928,386	100.059704
TEXAS	WALLER	357	122,928,743	100.059994



**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
OREGON	LINN	356	122,929,099	100.060284
ILLINOIS	STARK	356	122,929,455	100.060574
ARKANSAS	SALINE	356	122,929,811	100.060864
CALIFORNIA	EL DORADO	353	122,930,164	100.061151
SOUTH DAKOTA	JONES	352	122,930,516	100.061437
MAINE	ANDROSCOGGIN	352	122,930,868	100.061724
ARKANSAS	STONE	352	122,931,220	100.062010
LOUISIANA	EVANGELINE	351	122,931,571	100.062296
ARKANSAS	LITTLE RIVER	351	122,931,922	100.062582
ILLINOIS	BROWN	350	122,932,272	100.062867
OREGON	JACKSON	349	122,932,621	100.063151
NORTH CAROLINA	ROWAN	349	122,932,970	100.063435
INDIANA	TIPTON	344	122,933,314	100.063715
MISSOURI	OZARK	343	122,933,657	100.063994
WISCONSIN	OCONTO	342	122,933,999	100.064272
ARKANSAS	JACKSON	342	122,934,341	100.064551
OHIO	BELMONT	341	122,934,682	100.064828
GEORGIA	PICKENS	340	122,935,022	100.065105
UTAH	MILLARD	339	122,935,361	100.065381
GEORGIA	ROCKDALE	339	122,935,700	100.065657
TEXAS	JACK	337	122,936,037	100.065931
PENNSYLVANIA	WAYNE	337	122,936,374	100.066206
WISCONSIN	WOOD	335	122,936,709	100.066478
NORTH DAKOTA	STEELE	334	122,937,043	100.066750
LOUISIANA	ST. CHARLES	334	122,937,377	100.067022
TEXAS	ECTOR	333	122,937,710	100.067293
VIRGINIA	WASHINGTON	332	122,938,042	100.067563
ALABAMA	HENRY	331	122,938,373	100.067833
ALABAMA	COVINGTON	330	122,938,703	100.068101
WISCONSIN	GRANT	329	122,939,032	100.068369
ARKANSAS	DESHA	328	122,939,360	100.068636
ALABAMA	ELMORE	328	122,939,688	100.068903
KANSAS	NEOSHO	326	122,940,014	100.069169
MISSISSIPPI	CARROLL	325	122,940,339	100.069433
MICHIGAN	CHEBOYGAN	325	122,940,664	100.069698
VIRGINIA	GILES	324	122,940,988	100.069961
NORTH DAKOTA	BURLEIGH	324	122,941,312	100.070225
MISSISSIPPI	HUMPHREYS	324	122,941,636	100.070489
OHIO	KNOX	323	122,941,959	100.070752
COLORADO	PROWERS	322	122,942,281	100.071014
CALIFORNIA	MARIPOSA	322	122,942,603	100.071276
KENTUCKY	JESSAMINE	320	122,942,923	100.071536
VIRGINIA	ROCKBRIDGE	319	122,943,242	100.071796
FLORIDA	OKEECHOBEE	319	122,943,561	100.072056
TENNESSEE	FAYETTE	318	122,943,879	100.072314
OREGON	JEFFERSON	317	122,944,196	100.072573

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
ILLINOIS	SALINE	317	122,944,513	100.072831
KENTUCKY	GRAYSON	316	122,944,829	100.073088
MINNESOTA	STEARNS	314	122,945,143	100.073343
ILLINOIS	CHRISTIAN	314	122,945,457	100.073599
INDIANA	JOHNSON	310	122,945,767	100.073851
OKLAHOMA	PUSHMATAHA	308	122,946,075	100.074102
VIRGINIA	BUENA VISTA (CITY)	307	122,946,382	100.074352
NEW MEXICO	SAN MIGUEL	306	122,946,688	100.074601
MAINE	SOMERSET	306	122,946,994	100.074850
IOWA	CLINTON	306	122,947,300	100.075099
WYOMING	ALBANY	303	122,947,603	100.075346
WISCONSIN	WALWORTH	301	122,947,904	100.075591
MISSOURI	PLATTE	301	122,948,205	100.075836
IDAHO	IDAHO	301	122,948,506	100.076081
ALABAMA	HALE	301	122,948,807	100.076326
OKLAHOMA	SEQUOYAH	297	122,949,104	100.076567
UTAH	UINTAH	296	122,949,400	100.076808
ILLINOIS	OGLE	296	122,949,696	100.077049
WISCONSIN	BARRON	294	122,949,990	100.077289
ILLINOIS	ALEXANDER	293	122,950,283	100.077527
MICHIGAN	LEELANAU	292	122,950,575	100.077765
NEBRASKA	RED WILLOW	291	122,950,866	100.078002
MINNESOTA	SHERBURNE	286	122,951,152	100.078234
KANSAS	JEFFERSON	284	122,951,436	100.078466
ARKANSAS	RANDOLPH	280	122,951,716	100.078694
TEXAS	MILAM	279	122,951,995	100.078921
MICHIGAN	BARAGA	279	122,952,274	100.079148
TENNESSEE	MONTGOMERY	278	122,952,552	100.079374
SOUTH DAKOTA	GREGORY	278	122,952,830	100.079600
ILLINOIS	PERRY	276	122,953,106	100.079825
COLORADO	OTERO	276	122,953,382	100.080050
TEXAS	ROCKWALL	275	122,953,657	100.080273
OKLAHOMA	WASHINGTON	275	122,953,932	100.080497
ILLINOIS	SCOTT	275	122,954,207	100.080721
SOUTH DAKOTA	PERKINS	272	122,954,479	100.080943
WISCONSIN	TAYLOR	271	122,954,750	100.081163
TENNESSEE	JACKSON	271	122,955,021	100.081384
SOUTH CAROLINA	CHESTERFIELD	268	122,955,289	100.081602
IOWA	MAHASKA	265	122,955,554	100.081818
NORTH CAROLINA	BLADEN	264	122,955,818	100.082032
KANSAS	ELLSWORTH	264	122,956,082	100.082247
CALIFORNIA	DEL NORTE	264	122,956,346	100.082462
WASHINGTON	KITTITAS	263	122,956,609	100.082676
OHIO	ADAMS	263	122,956,872	100.082890
KANSAS	MONTGOMERY	259	122,957,131	100.083101

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*

*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
PENNSYLVANIA	TIOGA	257	122,957,388	100.083310
SOUTH DAKOTA	BROWN	256	122,957,644	100.083519
SOUTH DAKOTA	BUFFALO	256	122,957,900	100.083727
MISSISSIPPI	MONROE	255	122,958,155	100.083935
OREGON	DOUGLAS	253	122,958,408	100.084141
MICHIGAN	CASS	252	122,958,660	100.084346
TEXAS	MCCULLOCH	251	122,958,911	100.084550
MINNESOTA	OTTER TAIL	250	122,959,161	100.084754
KANSAS	CRAWFORD	248	122,959,409	100.084955
COLORADO	CHEYENNE	248	122,959,657	100.085157
WYOMING	FREMONT	247	122,959,904	100.085358
KENTUCKY	EDMONSON	247	122,960,151	100.085559
FLORIDA	WASHINGTON	247	122,960,398	100.085760
MISSOURI	LAFAYETTE	246	122,960,644	100.085961
VERMONT	FRANKLIN	245	122,960,889	100.086160
NEBRASKA	CHEYENNE	244	122,961,133	100.086359
ALABAMA	BIBB	244	122,961,377	100.086557
PENNSYLVANIA	BLAIR	243	122,961,620	100.086755
OREGON	MALHEUR	242	122,961,862	100.086952
GEORGIA	APPLING	242	122,962,104	100.087149
TEXAS	MARION	241	122,962,345	100.087345
MISSOURI	GRUNDY	241	122,962,586	100.087541
WYOMING	PARK	240	122,962,826	100.087737
TEXAS	POLK	240	122,963,066	100.087932
VIRGINIA	CARROLL	238	122,963,304	100.088126
MISSISSIPPI	YALOBUSHA	237	122,963,541	100.088319
KANSAS	GREENWOOD	236	122,963,777	100.088511
ALABAMA	MARENGO	236	122,964,013	100.088703
SOUTH CAROLINA	LEE	234	122,964,247	100.088893
INDIANA	JAY	233	122,964,480	100.089083
NORTH CAROLINA	ASHE	231	122,964,711	100.089271
MISSOURI	STONE	230	122,964,941	100.089458
WASHINGTON	OKANOGAN	228	122,965,169	100.089644
MISSOURI	MACON	228	122,965,397	100.089829
MISSOURI	ST. CLAIR	227	122,965,624	100.090014
TENNESSEE	WARREN	224	122,965,848	100.090197
GEORGIA	WASHINGTON	224	122,966,072	100.090379
NORTH CAROLINA	MARTIN	222	122,966,294	100.090560
NEW YORK	LIVINGSTON	222	122,966,516	100.090740
NEW YORK	SCHUYLER	222	122,966,738	100.090921
OKLAHOMA	MCCURTAIN	221	122,966,959	100.091101
VIRGINIA	GREENE	220	122,967,179	100.091280
NEVADA	ELKO	219	122,967,398	100.091458
ILLINOIS	MCDONOUGH	218	122,967,616	100.091636
WEST VIRGINIA	BRAXTON	216	122,967,832	100.091811
TEXAS	TYLER	216	122,968,048	100.091987

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TENNESSEE	LINCOLN	215	122,968,263	100.092162
TEXAS	CLAY	214	122,968,477	100.092336
MISSOURI	RALLS	214	122,968,691	100.092511
KENTUCKY	TAYLOR	213	122,968,904	100.092684
MINNESOTA	LYON	211	122,969,115	100.092856
VIRGINIA	SHENANDOAH	210	122,969,325	100.093027
KANSAS	ELLIS	207	122,969,532	100.093195
OKLAHOMA	POTTAWATOMIE	206	122,969,738	100.093363
IOWA	LOUISA	206	122,969,944	100.093531
SOUTH DAKOTA	CHARLES MIX	202	122,970,146	100.093695
SOUTH DAKOTA	CLAY	200	122,970,346	100.093858
NORTH CAROLINA	DAVIE	198	122,970,544	100.094019
VIRGINIA	PETERSBURG (CITY)	197	122,970,741	100.094179
OKLAHOMA	SEMINOLE	197	122,970,938	100.094340
NORTH CAROLINA	NORTHAMPTON	196	122,971,134	100.094499
NEBRASKA	DODGE	196	122,971,330	100.094659
KANSAS	DICKINSON	196	122,971,526	100.094818
INDIANA	CLINTON	195	122,971,721	100.094977
ARKANSAS	WHITE	194	122,971,915	100.095135
MICHIGAN	MANISTEE	193	122,972,108	100.095292
NORTH CAROLINA	ORANGE	192	122,972,300	100.095448
OKLAHOMA	GRADY	190	122,972,490	100.095603
KENTUCKY	ANDERSON	190	122,972,680	100.095758
IOWA	PLYMOUTH	190	122,972,870	100.095912
LOUISIANA	UNION	189	122,973,059	100.096066
GEORGIA	LUMPKIN	188	122,973,247	100.096219
TEXAS	NACOGDOCHES	187	122,973,434	100.096371
GEORGIA	JEFFERSON	186	122,973,620	100.096523
TEXAS	STARR	185	122,973,805	100.096673
NORTH CAROLINA	WILKES	185	122,973,990	100.096824
IOWA	FAYETTE	183	122,974,173	100.096973
ILLINOIS	MACON	183	122,974,356	100.097122
GEORGIA	STEPHENS	183	122,974,539	100.097271
IDAHO	LATAH	182	122,974,721	100.097419
VIRGINIA	FRANKLIN (CITY)	180	122,974,901	100.097565
OHIO	WYANDOT	180	122,975,081	100.097712
NORTH CAROLINA	HERTFORD	180	122,975,261	100.097858
MISSOURI	LAWRENCE	180	122,975,441	100.098005
NORTH DAKOTA	MOUNTRAIL	179	122,975,620	100.098151
MISSOURI	RANDOLPH	179	122,975,799	100.098296
IOWA	WASHINGTON	179	122,975,978	100.098442
ILLINOIS	CLARK	179	122,976,157	100.098588
COLORADO	ROUTT	177	122,976,334	100.098732
NORTH CAROLINA	HALIFAX	176	122,976,510	100.098875
ILLINOIS	SCHUYLER	176	122,976,686	100.099018

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
OHIO	ROSS	175	122,976,861	100.099161
NORTH CAROLINA	LINCOLN	175	122,977,036	100.099303
VERMONT	WINDHAM	174	122,977,210	100.099445
NEBRASKA	SALINE	172	122,977,382	100.099585
WEST VIRGINIA	LEWIS	171	122,977,553	100.099724
IDAHO	TWIN FALLS	170	122,977,723	100.099862
GEORGIA	LINCOLN	170	122,977,893	100.100001
VIRGINIA	DICKENSON	168	122,978,061	100.100138
NEW YORK	ESSEX	168	122,978,229	100.100274
ALABAMA	SHELBY	168	122,978,397	100.100411
ARKANSAS	LINCOLN	167	122,978,564	100.100547
MICHIGAN	IONIA	166	122,978,730	100.100682
PENNSYLVANIA	CRAWFORD	165	122,978,895	100.100816
NEBRASKA	CUMING	165	122,979,060	100.100951
MONTANA	ROSEBUD	165	122,979,225	100.101085
ARKANSAS	CLAY	165	122,979,390	100.101219
FLORIDA	SUMTER	164	122,979,554	100.101353
ALABAMA	PERRY	164	122,979,718	100.101486
NORTH CAROLINA	BEAUFORT	162	122,979,880	100.101618
WEST VIRGINIA	BARBOUR	161	122,980,041	100.101749
VIRGINIA	PULASKI	161	122,980,202	100.101880
INDIANA	PULASKI	161	122,980,363	100.102011
KENTUCKY	LEE	160	122,980,523	100.102142
ARKANSAS	HOWARD	159	122,980,682	100.102271
MICHIGAN	ALGER	158	122,980,840	100.102400
GEORGIA	DOUGLAS	158	122,980,998	100.102528
MINNESOTA	RICE	157	122,981,155	100.102656
MICHIGAN	MISSAUKEE	157	122,981,312	100.102784
VIRGINIA	RUSSELL	156	122,981,468	100.102911
OHIO	HARRISON	156	122,981,624	100.103038
NEW YORK	FRANKLIN	156	122,981,780	100.103165
KANSAS	ALLEN	156	122,981,936	100.103292
MISSOURI	STODDARD	155	122,982,091	100.103418
INDIANA	POSEY	155	122,982,246	100.103544
MISSOURI	WARREN	154	122,982,400	100.103669
WISCONSIN	PORTAGE	153	122,982,553	100.103794
NORTH CAROLINA	SURRY	152	122,982,705	100.103918
WISCONSIN	JACKSON	151	122,982,856	100.104041
MICHIGAN	PRESQUE ISLE	151	122,983,007	100.104163
WASHINGTON	GARFIELD	150	122,983,157	100.104286
TEXAS	RUNNELS	150	122,983,307	100.104408
TENNESSEE	CLAIBORNE	150	122,983,457	100.104530
KENTUCKY	CLARK	149	122,983,606	100.104651
IOWA	CLAY	149	122,983,755	100.104772
COLORADO	LAS ANIMAS	149	122,983,904	100.104894
OKLAHOMA	LINCOLN	148	122,984,052	100.105014

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
TENNESSEE	VAN BUREN	147	122,984,199	100.105134
NEW YORK	SULLIVAN	147	122,984,346	100.105253
MISSOURI	LINN	147	122,984,493	100.105373
MISSISSIPPI	ISSAQUENA	147	122,984,640	100.105493
LOUISIANA	MADISON	147	122,984,787	100.105612
NEBRASKA	CEDAR	146	122,984,933	100.105731
MINNESOTA	SCOTT	146	122,985,079	100.105850
ALABAMA	LOWNDES	146	122,985,225	100.105969
VERMONT	ORANGE	145	122,985,370	100.106087
TEXAS	NAVARRO	145	122,985,515	100.106205
INDIANA	HOWARD	144	122,985,659	100.106322
VIRGINIA	BLAND	143	122,985,802	100.106438
SOUTH CAROLINA	WILLIAMSBURG	143	122,985,945	100.106555
KANSAS	PAWNEE	143	122,986,088	100.106671
TENNESSEE	JEFFERSON	142	122,986,230	100.106787
MONTANA	LINCOLN	140	122,986,370	100.106901
IOWA	HENRY	140	122,986,510	100.107015
ARKANSAS	VAN BUREN	140	122,986,650	100.107129
GEORGIA	CLAY	138	122,986,788	100.107241
TEXAS	BOSQUE	135	122,986,923	100.107351
SOUTH DAKOTA	MINNEHAHA	134	122,987,057	100.107460
TEXAS	HUTCHINSON	133	122,987,190	100.107568
LOUISIANA	ASCENSION	133	122,987,323	100.107676
NORTH CAROLINA	GRANVILLE	132	122,987,455	100.107784
NEBRASKA	KEARNEY	132	122,987,587	100.107891
VIRGINIA	HARRISONBURG (CITY)	131	122,987,718	100.107998
TEXAS	PARKER	131	122,987,849	100.108105
KENTUCKY	MARSHALL	131	122,987,980	100.108211
ILLINOIS	BOONE	130	122,988,110	100.108317
MISSISSIPPI	SCOTT	129	122,988,239	100.108422
KANSAS	OSAGE	129	122,988,368	100.108527
WYOMING	TETON	128	122,988,496	100.108631
NEBRASKA	COLFAX	128	122,988,624	100.108735
NORTH DAKOTA	PIERCE	127	122,988,751	100.108839
MONTANA	MISSOULA	125	122,988,876	100.108941
LOUISIANA	SABINE	125	122,989,001	100.109042
TEXAS	COMANCHE	124	122,989,125	100.109143
TEXAS	RED RIVER	124	122,989,249	100.109244
GEORGIA	EVANS	124	122,989,373	100.109345
ILLINOIS	MACOUPIN	123	122,989,496	100.109445
MISSOURI	COOPER	122	122,989,618	100.109545
VIRGINIA	TAZEWELL	121	122,989,739	100.109643
TEXAS	JASPER	121	122,989,860	100.109742
NORTH CAROLINA	YADKIN	121	122,989,981	100.109840
INDIANA	SPENCER	121	122,990,102	100.109939

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
ALABAMA	TALLAPOOSA	121	122,990,223	100.110037
MINNESOTA	FREEBORN	120	122,990,343	100.110135
TEXAS	WILLIAMSON	117	122,990,460	100.110230
NORTH CAROLINA	COLUMBUS	117	122,990,577	100.110325
SOUTH DAKOTA	LYMAN	116	122,990,693	100.110420
MAINE	LINCOLN	116	122,990,809	100.110514
VIRGINIA	RICHMOND	115	122,990,924	100.110608
WYOMING	PLATTE	114	122,991,038	100.110700
WEST VIRGINIA	MARSHALL	114	122,991,152	100.110793
NEBRASKA	HALL	114	122,991,266	100.110886
WEST VIRGINIA	WYOMING	113	122,991,379	100.110978
WASHINGTON	SKAMANIA	113	122,991,492	100.111070
ILLINOIS	EDGAR	113	122,991,605	100.111162
GEORGIA	FAYETTE	113	122,991,718	100.111254
ILLINOIS	FORD	112	122,991,830	100.111345
CALIFORNIA	SISKIYOU	112	122,991,942	100.111436
OHIO	PREBLE	111	122,992,053	100.111527
MINNESOTA	MARTIN	111	122,992,164	100.111617
GEORGIA	FRANKLIN	111	122,992,275	100.111707
TEXAS	FREESTONE	110	122,992,385	100.111797
OREGON	COLUMBIA	110	122,992,495	100.111886
NEW MEXICO	ROOSEVELT	110	122,992,605	100.111976
MINNESOTA	JACKSON	109	122,992,714	100.112065
VERMONT	ESSEX	108	122,992,822	100.112153
IOWA	HANCOCK	108	122,992,930	100.112240
GEORGIA	PAULDING	108	122,993,038	100.112328
SOUTH DAKOTA	CODINGTON	107	122,993,145	100.112415
NORTH CAROLINA	CABARRUS	107	122,993,252	100.112503
MINNESOTA	MEEKER	107	122,993,359	100.112590
ARIZONA	SANTA CRUZ	107	122,993,466	100.112677
NORTH CAROLINA	GREENE	106	122,993,572	100.112763
INDIANA	WARRICK	106	122,993,678	100.112849
FLORIDA	LEVY	106	122,993,784	100.112936
WISCONSIN	ONEIDA	105	122,993,889	100.113021
TEXAS	JACKSON	105	122,993,994	100.113106
MAINE	OXFORD	105	122,994,099	100.113192
LOUISIANA	WINN	105	122,994,204	100.113277
GEORGIA	SEMINOLE	105	122,994,309	100.113363
COLORADO	LOGAN	105	122,994,414	100.113448
INDIANA	HENDRICKS	104	122,994,518	100.113533
MINNESOTA	PENNINGTON	103	122,994,621	100.113617
VIRGINIA	ALLEGHANY	102	122,994,723	100.113700
NEW MEXICO	TAOS	102	122,994,825	100.113783
NORTH DAKOTA	RENVILLE	100	122,994,925	100.113864
LOUISIANA	VERMILION	100	122,995,025	100.113946
ARKANSAS	MONROE	100	122,995,125	100.114027

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
ARKANSAS	WOODRUFF	100	122,995,225	100.114108
OHIO	PICKAWAY	99	122,995,324	100.114189
MISSOURI	OREGON	99	122,995,423	100.114270
KANSAS	WOODSON	99	122,995,522	100.114350
GEORGIA	WAYNE	99	122,995,621	100.114431
TENNESSEE	WILSON	98	122,995,719	100.114511
OHIO	HOCKING	98	122,995,817	100.114590
NORTH CAROLINA	STANLY	98	122,995,915	100.114670
MICHIGAN	HILLSDALE	98	122,996,013	100.114750
ILLINOIS	WARREN	98	122,996,111	100.114830
VIRGINIA	MADISON	97	122,996,208	100.114909
MINNESOTA	LAKE OF THE WOODS	97	122,996,305	100.114988
MINNESOTA	CHISAGO	96	122,996,401	100.115066
ILLINOIS	JERSEY	96	122,996,497	100.115144
IDAHO	MINIDOKA	95	122,996,592	100.115221
GEORGIA	TALBOT	95	122,996,687	100.115298
IOWA	IDA	94	122,996,781	100.115375
IOWA	IOWA	94	122,996,875	100.115452
NEW MEXICO	COLFAX	93	122,996,968	100.115527
MISSISSIPPI	COAHOMA	93	122,997,061	100.115603
GEORGIA	NEWTON	93	122,997,154	100.115679
VIRGINIA	BOTETOURT	92	122,997,246	100.115753
NEW MEXICO	LUNA	92	122,997,338	100.115828
OHIO	CARROLL	91	122,997,429	100.115902
OKLAHOMA	MARSHALL	90	122,997,519	100.115976
MINNESOTA	ROSEAU	90	122,997,609	100.116049
ILLINOIS	MONTGOMERY	89	122,997,698	100.116121
CALIFORNIA	TEHAMA	89	122,997,787	100.116194
ALABAMA	LAWRENCE	89	122,997,876	100.116266
VIRGINIA	BEDFORD	88	122,997,964	100.116338
OHIO	HOLMES	87	122,998,051	100.116409
MISSISSIPPI	TUNICA	87	122,998,138	100.116480
MINNESOTA	CLAY	87	122,998,225	100.116550
KENTUCKY	CLAY	86	122,998,311	100.116620
KANSAS	WASHINGTON	86	122,998,397	100.116690
GEORGIA	THOMAS	86	122,998,483	100.116760
TEXAS	YOUNG	85	122,998,568	100.116830
SOUTH DAKOTA	BRULE	85	122,998,653	100.116899
PENNSYLVANIA	PERRY	85	122,998,738	100.116968
OHIO	MONROE	85	122,998,823	100.117037
ILLINOIS	BOND	85	122,998,908	100.117106
INDIANA	JENNINGS	84	122,998,992	100.117175
SOUTH CAROLINA	ABBEVILLE	83	122,999,075	100.117242
OKLAHOMA	MCCLAIN	83	122,999,158	100.117310
MISSOURI	ST. FRANCOIS	83	122,999,241	100.117377



**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*

*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
FLORIDA	JEFFERSON	83	122,999,324	100.117445
PENNSYLVANIA	ARMSTRONG	82	122,999,406	100.117512
OHIO	MORROW	82	122,999,488	100.117578
NORTH DAKOTA	MERCER	82	122,999,570	100.117645
MICHIGAN	VAN BUREN	82	122,999,652	100.117712
GEORGIA	SCHLEY	82	122,999,734	100.117779
TENNESSEE	LAKE	81	122,999,815	100.117845
OKLAHOMA	LOGAN	81	122,999,896	100.117911
OHIO	HENRY	81	122,999,977	100.117976
INDIANA	RUSH	81	123,000,058	100.118042
KENTUCKY	KNOTT	80	123,000,138	100.118107
ILLINOIS	WHITE	80	123,000,218	100.118173
TEXAS	BREWSTER	79	123,000,297	100.118237
TEXAS	KERR	79	123,000,376	100.118301
WISCONSIN	CLARK	78	123,000,454	100.118365
TEXAS	KNOX	78	123,000,532	100.118428
IDAHO	VALLEY	78	123,000,610	100.118492
GEORGIA	BARROW	78	123,000,688	100.118555
COLORADO	BENT	78	123,000,766	100.118619
WEST VIRGINIA	WETZEL	77	123,000,843	100.118681
SOUTH CAROLINA	UNION	77	123,000,920	100.118744
MISSOURI	HOWARD	76	123,000,996	100.118806
KANSAS	COFFEY	76	123,001,072	100.118868
IOWA	WEBSTER	76	123,001,148	100.118930
TEXAS	WOOD	75	123,001,223	100.118991
ALABAMA	MARSHALL	75	123,001,298	100.119052
NORTH CAROLINA	HOKE	74	123,001,372	100.119112
MISSOURI	CEDAR	74	123,001,446	100.119172
KENTUCKY	FRANKLIN	74	123,001,520	100.119232
INDIANA	NOBLE	74	123,001,594	100.119293
WISCONSIN	MARQUETTE	73	123,001,667	100.119352
ILLINOIS	LEE	73	123,001,740	100.119411
ARKANSAS	PERRY	73	123,001,813	100.119471
PENNSYLVANIA	JEFFERSON	72	123,001,885	100.119529
OHIO	MADISON	72	123,001,957	100.119588
NEBRASKA	CASS	72	123,002,029	100.119647
COLORADO	RIO GRANDE	72	123,002,101	100.119705
TENNESSEE	HENDERSON	71	123,002,172	100.119763
MINNESOTA	CASS	71	123,002,243	100.119821
MISSISSIPPI	SIMPSON	70	123,002,313	100.119878
GEORGIA	SPALDING	70	123,002,383	100.119935
ALABAMA	ST. CLAIR	70	123,002,453	100.119992
GEORGIA	RANDOLPH	69	123,002,522	100.120048
CALIFORNIA	TUOLUMNE	69	123,002,591	100.120104
TEXAS	KIMBLE	68	123,002,659	100.120160
MISSISSIPPI	GREENE	68	123,002,727	100.120215

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
MISSISSIPPI	NOXUBEE	68	123,002,795	100.120270
KENTUCKY	BALLARD	68	123,002,863	100.120326
ARKANSAS	HEMPSTEAD	68	123,002,931	100.120381
OKLAHOMA	KIOWA	67	123,002,998	100.120435
ILLINOIS	BUREAU	67	123,003,065	100.120490
SOUTH DAKOTA	BON HOMME	66	123,003,131	100.120544
OREGON	GRANT	66	123,003,197	100.120597
TEXAS	MORRIS	65	123,003,262	100.120650
IOWA	DICKINSON	65	123,003,327	100.120703
WISCONSIN	GREEN LAKE	64	123,003,391	100.120755
TEXAS	WALKER	64	123,003,455	100.120807
IOWA	TAMA	64	123,003,519	100.120860
GEORGIA	COWETA	64	123,003,583	100.120912
ARKANSAS	INDEPENDENCE	64	123,003,647	100.120964
COLORADO	PITKIN	63	123,003,710	100.121015
ALASKA	WRANGELL- PETERSBURG	63	123,003,773	100.121066
WEST VIRGINIA	MERCER	62	123,003,835	100.121117
NORTH CAROLINA	MITCHELL	62	123,003,897	100.121167
MISSISSIPPI	PIKE	62	123,003,959	100.121218
LOUISIANA	LA SALLE	62	123,004,021	100.121268
INDIANA	JACKSON	62	123,004,083	100.121319
TEXAS	GRIMES	61	123,004,144	100.121368
OKLAHOMA	ADAIR	61	123,004,205	100.121418
MINNESOTA	DODGE	61	123,004,266	100.121468
LOUISIANA	TENSAS	61	123,004,327	100.121517
KENTUCKY	LOGAN	61	123,004,388	100.121567
IOWA	PAGE	61	123,004,449	100.121617
FLORIDA	COLUMBIA	61	123,004,510	100.121666
TENNESSEE	MONROE	60	123,004,570	100.121715
MINNESOTA	BENTON	60	123,004,630	100.121764
TEXAS	PANOLA	59	123,004,689	100.121812
SOUTH CAROLINA	KERSHAW	59	123,004,748	100.121860
NORTH DAKOTA	BARNES	59	123,004,807	100.121908
COLORADO	FREMONT	59	123,004,866	100.121956
ARKANSAS	GREENE	59	123,004,925	100.122004
OKLAHOMA	CHOCTAW	58	123,004,983	100.122051
MISSISSIPPI	JEFFERSON	58	123,005,041	100.122098
MICHIGAN	GRATIOT	58	123,005,099	100.122146
IDAHO	GEM	58	123,005,157	100.122193
WASHINGTON	ADAMS	57	123,005,214	100.122239
TEXAS	WISE	57	123,005,271	100.122286
MICHIGAN	CLINTON	57	123,005,328	100.122332
IOWA	MARSHALL	57	123,005,385	100.122378
ILLINOIS	JO DAVIESS	57	123,005,442	100.122425
ALASKA	NORTH SLOPE	57	123,005,499	100.122471

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
NORTH DAKOTA	WALSH	56	123,005,555	100.122517
NEBRASKA	LINCOLN	56	123,005,611	100.122562
KENTUCKY	METCALFE	56	123,005,667	100.122608
IDAHO	CUSTER	56	123,005,723	100.122653
UTAH	JUAB	55	123,005,778	100.122698
TENNESSEE	DECATUR	55	123,005,833	100.122743
MISSOURI	CARTER	55	123,005,888	100.122788
MINNESOTA	PIPESTONE	55	123,005,943	100.122833
INDIANA	DEARBORN	55	123,005,998	100.122877
OREGON	HARNEY	54	123,006,052	100.122921
FLORIDA	BAKER	54	123,006,106	100.122965
OHIO	GEAUGA	53	123,006,159	100.123008
IOWA	WINNEBAGO	52	123,006,211	100.123051
TEXAS	HOOD	51	123,006,262	100.123092
SOUTH CAROLINA	NEWBERRY	51	123,006,313	100.123134
KANSAS	RUSSELL	51	123,006,364	100.123175
WASHINGTON	SAN JUAN	50	123,006,414	100.123216
NEVADA	HUMBOLDT	50	123,006,464	100.123257
COLORADO	HUERFANO	50	123,006,514	100.123297
CALIFORNIA	SIERRA	50	123,006,564	100.123338
ALABAMA	BARBOUR	50	123,006,614	100.123379
OKLAHOMA	ATOKA	49	123,006,663	100.123419
NORTH DAKOTA	MORTON	49	123,006,712	100.123459
MINNESOTA	NICOLLET	49	123,006,761	100.123498
VIRGINIA	CLARKE	48	123,006,809	100.123537
TEXAS	WASHINGTON	48	123,006,857	100.123577
MISSOURI	AUDRAIN	48	123,006,905	100.123616
MINNESOTA	KITTSOON	48	123,006,953	100.123655
KANSAS	MARION	48	123,007,001	100.123694
GEORGIA	SUMTER	48	123,007,049	100.123733
GEORGIA	WARREN	48	123,007,097	100.123772
FLORIDA	HERNANDO	48	123,007,145	100.123811
ALABAMA	BLOUNT	48	123,007,193	100.123850
VIRGINIA	BATH	47	123,007,240	100.123888
UTAH	BEAVER	47	123,007,287	100.123927
OHIO	MORGAN	46	123,007,333	100.123964
NEW HAMPSHIRE	COOS	46	123,007,379	100.124001
MICHIGAN	BRANCH	46	123,007,425	100.124039
INDIANA	PUTNAM	46	123,007,471	100.124076
COLORADO	EAGLE	45	123,007,516	100.124113
WEST VIRGINIA	GRANT	44	123,007,560	100.124149
WASHINGTON	ASOTIN	44	123,007,604	100.124185
TENNESSEE	WHITE	44	123,007,648	100.124220
SOUTH CAROLINA	EDGEFIELD	44	123,007,692	100.124256
OKLAHOMA	TILLMAN	44	123,007,736	100.124292
LOUISIANA	CALDWELL	44	123,007,780	100.124328

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
KENTUCKY	MONTGOMERY	44	123,007,824	100.124364
IOWA	WORTH	44	123,007,868	100.124399
INDIANA	SCOTT	44	123,007,912	100.124435
WEST VIRGINIA	TAYLOR	43	123,007,955	100.124470
TENNESSEE	MARION	43	123,007,998	100.124505
TENNESSEE	STEWART	43	123,008,041	100.124540
NEBRASKA	GREELEY	43	123,008,084	100.124575
MISSOURI	IRON	43	123,008,127	100.124610
MINNESOTA	MILLE LACS	43	123,008,170	100.124645
MINNESOTA	MORRISON	43	123,008,213	100.124680
KENTUCKY	GREENUP	43	123,008,256	100.124715
KENTUCKY	MASON	43	123,008,299	100.124750
ALABAMA	LAUDERDALE	43	123,008,342	100.124785
INDIANA	OWEN	42	123,008,384	100.124819
GEORGIA	OCONEE	42	123,008,426	100.124854
SOUTH DAKOTA	DEUEL	41	123,008,467	100.124887
MARYLAND	SOMERSET	41	123,008,508	100.124920
GEORGIA	WHITE	41	123,008,549	100.124954
WYOMING	NIOBRARA	40	123,008,589	100.124986
TEXAS	ZAVALA	40	123,008,629	100.125019
OKLAHOMA	PAWNEE	40	123,008,669	100.125051
NORTH DAKOTA	TRAILL	40	123,008,709	100.125084
NEBRASKA	THAYER	40	123,008,749	100.125117
MONTANA	JEFFERSON	40	123,008,789	100.125149
MISSOURI	REYNOLDS	40	123,008,829	100.125182
KANSAS	FORD	40	123,008,869	100.125214
GEORGIA	BULLOCH	40	123,008,909	100.125247
ARIZONA	APACHE	40	123,008,949	100.125279
TEXAS	SHELBY	39	123,008,988	100.125311
OKLAHOMA	WOODWARD	39	123,009,027	100.125343
NORTH DAKOTA	BOTTINEAU	39	123,009,066	100.125375
IOWA	BUENA VISTA	39	123,009,105	100.125406
IDAHO	POWER	39	123,009,144	100.125438
COLORADO	CHAFFEE	39	123,009,183	100.125470
SOUTH DAKOTA	DOUGLAS	37	123,009,220	100.125500
MAINE	PISCATAQUIS	37	123,009,257	100.125530
LOUISIANA	DE SOTO	37	123,009,294	100.125560
KANSAS	KINGMAN	37	123,009,331	100.125590
IOWA	HUMBOLDT	37	123,009,368	100.125620
INDIANA	LAGRANGE	37	123,009,405	100.125651
GEORGIA	FORSYTH	37	123,009,442	100.125681
MISSOURI	VERNON	36	123,009,478	100.125710
MISSISSIPPI	ADAMS	36	123,009,514	100.125739
KANSAS	TREGO	36	123,009,550	100.125769
GEORGIA	COFFEE	36	123,009,586	100.125798

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
ALABAMA	GREENE	36	123,009,622	100.125827
WISCONSIN	KEWAUNEE	35	123,009,657	100.125856
TEXAS	HOPKINS	35	123,009,692	100.125884
OREGON	POLK	35	123,009,727	100.125913
NORTH CAROLINA	MADISON	35	123,009,762	100.125941
MISSOURI	LACLEDE	35	123,009,797	100.125970
LOUISIANA	EAST FELICIANA	35	123,009,832	100.125998
KENTUCKY	CALLOWAY	35	123,009,867	100.126027
ILLINOIS	POPE	35	123,009,902	100.126055
GEORGIA	BALDWIN	35	123,009,937	100.126084
NORTH CAROLINA	PAMLICO	34	123,009,971	100.126111
NEBRASKA	DUNDY	34	123,010,005	100.126139
NEBRASKA	MADISON	34	123,010,039	100.126167
MINNESOTA	RENVILLE	34	123,010,073	100.126194
INDIANA	DAVISS	34	123,010,107	100.126222
OHIO	PERRY	33	123,010,140	100.126249
NEBRASKA	BOX BUTTE	33	123,010,173	100.126276
MISSOURI	HARRISON	33	123,010,206	100.126303
MINNESOTA	BELTRAMI	33	123,010,239	100.126329
MICHIGAN	EMMET	33	123,010,272	100.126356
VIRGINIA	WARREN	32	123,010,304	100.126382
TEXAS	FALLS	32	123,010,336	100.126408
TENNESSEE	OVERTON	32	123,010,368	100.126434
NEBRASKA	KNOX	32	123,010,400	100.126460
MONTANA	PARK	32	123,010,432	100.126486
ILLINOIS	WAYNE	32	123,010,464	100.126513
COLORADO	MONTEZUMA	32	123,010,496	100.126539
SOUTH DAKOTA	TRIPP	31	123,010,527	100.126564
MICHIGAN	MACKINAC	31	123,010,558	100.126589
INDIANA	MIAMI	31	123,010,589	100.126614
GEORGIA	DODGE	31	123,010,620	100.126639
CALIFORNIA	LAKE	31	123,010,651	100.126665
WEST VIRGINIA	PRESTON	30	123,010,681	100.126689
WEST VIRGINIA	PUTNAM	30	123,010,711	100.126714
VIRGINIA	MIDDLESEX	30	123,010,741	100.126738
VIRGINIA	STAUNTON (CITY)	30	123,010,771	100.126762
TEXAS	SHERMAN	30	123,010,801	100.126787
TENNESSEE	MACON	30	123,010,831	100.126811
SOUTH DAKOTA	DEWEY	30	123,010,861	100.126836
OKLAHOMA	CADDO	30	123,010,891	100.126860
OKLAHOMA	JEFFERSON	30	123,010,921	100.126885
MISSISSIPPI	LAMAR	30	123,010,951	100.126909
KANSAS	HARPER	30	123,010,981	100.126933
FLORIDA	HOLMES	30	123,011,011	100.126958
WEST VIRGINIA	JACKSON	29	123,011,040	100.126981
WASHINGTON	MASON	29	123,011,069	100.127005

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
SOUTH CAROLINA	CHEROKEE	29	123,011,098	100.127029
NEBRASKA	BUFFALO	29	123,011,127	100.127052
MISSOURI	BARTON	29	123,011,156	100.127076
MISSOURI	DADE	29	123,011,185	100.127099
IOWA	MONROE	29	123,011,214	100.127123
IOWA	WAYNE	29	123,011,243	100.127147
ILLINOIS	FULTON	29	123,011,272	100.127170
GEORGIA	FANNIN	29	123,011,301	100.127194
ARKANSAS	BRADLEY	29	123,011,330	100.127217
ALABAMA	JACKSON	29	123,011,359	100.127241
WISCONSIN	POLK	28	123,011,387	100.127264
WEST VIRGINIA	BROOKE	28	123,011,415	100.127287
VIRGINIA	WESTMORELAND	28	123,011,443	100.127309
SOUTH CAROLINA	FAIRFIELD	28	123,011,471	100.127332
NEBRASKA	DIXON	28	123,011,499	100.127355
MISSOURI	HICKORY	28	123,011,527	100.127378
KENTUCKY	ROWAN	28	123,011,555	100.127401
INDIANA	BOONE	28	123,011,583	100.127423
INDIANA	WELLS	28	123,011,611	100.127446
FLORIDA	CALHOUN	28	123,011,639	100.127469
COLORADO	HINSDALE	28	123,011,667	100.127492
WASHINGTON	FERRY	27	123,011,694	100.127514
WASHINGTON	LEWIS	27	123,011,721	100.127536
TEXAS	BAILEY	27	123,011,748	100.127558
TEXAS	HUDSPETH	27	123,011,775	100.127580
OKLAHOMA	DELAWARE	27	123,011,802	100.127602
OHIO	ASHLAND	27	123,011,829	100.127624
MICHIGAN	ALCONA	27	123,011,856	100.127646
KANSAS	CLOUD	27	123,011,883	100.127668
ARKANSAS	SCOTT	27	123,011,910	100.127690
TENNESSEE	MOORE	26	123,011,936	100.127711
OHIO	LAWRENCE	26	123,011,962	100.127732
MISSOURI	NODAWAY	26	123,011,988	100.127753
LOUISIANA	CLAIBORNE	26	123,012,014	100.127774
KENTUCKY	MAGOFFIN	26	123,012,040	100.127795
GEORGIA	WILKES	26	123,012,066	100.127816
TENNESSEE	ROANE	25	123,012,091	100.127837
GEORGIA	RABUN	25	123,012,116	100.127857
MISSOURI	ANDREW	23	123,012,139	100.127876
KENTUCKY	GALLATIN	13	123,012,152	100.127886
FLORIDA	CHARLOTTE	13	123,012,165	100.127897
ARKANSAS	MARION	13	123,012,178	100.127908
TENNESSEE	WEAKLEY	12	123,012,190	100.127917
VIRGINIA	GALAX (CITY)	10	123,012,200	100.127926
KANSAS	MIAMI	10	123,012,210	100.127934

**TABLE D-1**

*1991 Defense Prime Contract Awards by County (Continued)*  
*(Sorted by value of transaction)*

State	County	Transaction value (\$000)	Cumulative value (\$000)	Cumulative percentage
IOWA	SAC	10	123,012,220	100.127942
GEORGIA	DAWSON	9	123,012,229	100.127949
MISSOURI	BATES	7	123,012,236	100.127955
MISSISSIPPI	NESHOBA	7	123,012,243	100.127961
OKLAHOMA	HASKELL	6	123,012,249	100.127965
NORTH DAKOTA	STARK	6	123,012,255	100.127970
NORTH CAROLINA	CHATHAM	6	123,012,261	100.127975
NEW MEXICO	GRANT	6	123,012,267	100.127980
NEBRASKA	CLAY	4	123,012,271	100.127983
KENTUCKY	BELL	(13)	123,012,258	100.127973
OREGON	CURRY	(26)	123,012,232	100.127952
KENTUCKY	SPENCER	(29)	123,012,203	100.127928
ILLINOIS	FAYETTE	(30)	123,012,173	100.127904
NORTH CAROLINA	CAMDEN	(31)	123,012,142	100.127878
GEORGIA	MACON	(46)	123,012,096	100.127841
NORTH DAKOTA	DUNN	(60)	123,012,036	100.127792
NORTH CAROLINA	GRAHAM	(64)	123,011,972	100.127740
KANSAS	PRATT	(64)	123,011,908	100.127688
GEORGIA	CHEROKEE	(64)	123,011,844	100.127636
IDAHO	OWYHEE	(83)	123,011,761	100.127568
NORTH CAROLINA	TRANSYLVANIA	(120)	123,011,641	100.127471
LOUISIANA	WEBSTER	(126)	123,011,515	100.127368
ALABAMA	CRENSHAW	(136)	123,011,379	100.127257
OKLAHOMA	BRYAN	(160)	123,011,219	100.127127
OHIO	GALLIA	(204)	123,011,015	100.126961
MISSISSIPPI	CLAIBORNE	(320)	123,010,695	100.126701
MINNESOTA	MAHNOMEN	(337)	123,010,358	100.126426
OKLAHOMA	CARTER	(400)	123,009,958	100.126101
WISCONSIN	SHAWANO	(494)	123,009,464	100.125699
SOUTH DAKOTA	BENNETT	(498)	123,008,966	100.125293
WEST VIRGINIA	LOGAN	(579)	123,008,387	100.124822
NORTH CAROLINA	SAMPSON	(764)	123,007,623	100.124200
MONTANA	RAVALLI	(1,632)	123,005,991	100.122872
SOUTH DAKOTA	UNION	(1,716)	123,004,275	100.121475
FLORIDA	LAKE	(2,187)	123,002,088	100.119695
NORTH CAROLINA	DUPLIN	(2,439)	122,999,649	100.117709
MISSOURI	PETTIS	(3,082)	122,996,567	100.115201
KANSAS	COWLEY	(4,597)	122,991,970	100.111459
OKLAHOMA	CREEK	(6,538)	122,985,432	100.106137
CONNECTICUT	TOLLAND	(7,255)	122,978,177	100.100232
NEW JERSEY	SUSSEX	(8,484)	122,969,693	100.093326
TEXAS	CAMERON	(15,277)	122,954,416	100.080891
OKLAHOMA	OTTAWA	(24,099)	122,930,317	100.061275
WEST VIRGINIA	PLEASANTS	(75,280)	122,855,037	100.000000

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