# Stationery, Tablet, and Related Product Manufacturing

# 1997

Issued August 1999

EC97M-3222N

## **1997 Economic Census** *Manufacturing* Industry Series



Helping You Make Informed Decisions

U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU



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## **1997 Economic Census**

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-- Not applicable for this report.

## Introduction to the Economic Census

## PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

## ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information

- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste
  - Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Foodservices
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

## **RELATIONSHIP TO SIC**

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

## **GEOGRAPHIC AREA CODING**

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

#### 1997 ECONOMIC CENSUS

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

## **BASIS OF REPORTING**

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

## **DOLLAR VALUES**

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

## AVAILABILITY OF ADDITIONAL DATA

## **Reports in Print and Electronic Media**

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

## **Special Tabulations**

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division	301-457-4673
Service Sector Statistics Division	301-457-2668

### **HISTORICAL INFORMATION**

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of longterm time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

### SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

### **ABBREVIATIONS AND SYMBOLS**

The following abbreviations and symbols are used with the 1997 Economic Census data:

- A Standard error of 100 percent or more.
- D Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
- F Exceeds 100 percent because data include establishments with payroll exceeding revenue.
- N Not available or not comparable.
- Q Revenue not collected at this level of detail for multiestablishment firms.
- S Withheld because estimates did not meet publication standards.

- V Represents less than 50 vehicles or .05 percent.
- X Not applicable.
- Y Disclosure withheld because of insufficient coverage of merchandise lines.
- Z Less than half the unit shown.
- a 0 to 19 employees.
- b 20 to 99 employees.
- c 100 to 249 employees.
- e 250 to 499 employees.
- f 500 to 999 employees.
- g 1,000 to 2,499 employees.
- h 2,500 to 4,999 employees.
- i 5,000 to 9,999 employees.
- j 10,000 to 24,999 employees.
- k 25,000 to 49,999 employees.
- l 50,000 to 99,999 employees.
- m 100,000 employees or more.
- p 10 to 19 percent estimated.
- q 20 to 29 percent estimated.
- r Revised.
- s Sampling error exceeds 40 percent.
- nec Not elsewhere classified.
- nsk Not specified by kind.
- Represents zero (page image/print only).
- (CC) Consolidated city.
- (IC) Independent city.

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## Manufacturing

## SCOPE

The 1997 Economic Census – Manufacturing covers all manufacturing establishments with one or more paid employees. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

#### GENERAL

This report, from the 1997 Economic Census – Manufacturing, is one of a series of 480 industry reports and 51 geographic area reports, each of which provides statistics for individual industries or states, respectively. Seven of the industry reports are for industries no longer in the manufacturing sector but are included with manufacturing for the 1997 census year. Also included for this sector are General, Product, and Materials Consumed Summary reports, a special report on Concentration Ratios in Manufacturing, and data files on Location of Manufacturing Plants.

Each industry report presents data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in Appendix B. These reports include such statistics as number of establishments, employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, capital expenditures, etc. Explanations of these and other terms may be found in Appendix A. The industry reports also include data for states with 100 employees or more in the industry.

State reports, which include the District of Columbia, present similar statistics at the "all manufacturing" level for each state and its metropolitan areas (MAs) with 250 employees or more, and for counties, consolidated cities, and places with 500 employees or more. The state reports also include six-digit NAICS level data for industries with 100 employees or more in the state. The General Summary report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.

The Products and Materials Consumed reports summarize the products and materials data published in the industry reports. The Product Summary report also includes data from the Current Industrial Reports (CIR) and a special table with data for products that are primary to more than one industry, which are not in the industry reports.

The Concentration Ratios report publishes data on the percentage of value of shipments accounted for by the 4-, 8-, 20-, and 50-largest companies for each manufacturing industry. Also shown in this report are Hirschmann-Herfindahl Indexes for each industry.

The Location of Manufacturing data files contain statistics on the number of establishments for the three- and six-digit NAICS industry by state, county, place, and ZIP Code by employment-size of the establishment.

#### **GEOGRAPHIC AREAS COVERED**

Statistics at the six-digit NAICS industry level are shown for states and the District of Columbia in both the state and industry reports for cells with 100 employees or more.

The state reports also include data at the "all manufacturing" level for a variety of geographies that meet the employment criteria.

Data are available for the metropolitan areas (MAs) with 250 employees or more. The term MA is a general term used to encompass all of the specifically defined metropolitan areas. A consolidated metropolitan statistical area (CMSA) is made up of two or more contiguous primary metropolitan statistical areas (PMSAs) with a combined population of at least 1 million. A PMSA is a subdivision of a CMSA that demonstrates very strong internal economic and social links separate from the ties to other portions of the CMSA. A metropolitan statistical area (MSA) is an integrated economic and social unit with a population of at least 50,000. An MA is made up of one or more counties meeting standards of metropolitan character. In New England, cities and towns, rather than counties, are the component geographic units. Determination of the MAs was made by the Office of Management and Budget (OMB) as of June 30, 1997. The population estimates were from the 1990 Census of Population or a subsequent special

census. When applicable, the make-up of an MA is included in Appendix E. Changes to geographical boundaries are noted in Appendix D.

The state reports include data for counties with 500 employees or more. These are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs and census areas. Maryland, Missouri, Nevada, and Virginia have one or more places that are independent of county organizations. These places are treated as counties and places. The counties and places are defined as of January 1, 1997.

The state reports include data for places with 500 employees or more. Places are typically cities, towns, and villages. They may be incorporated municipalities, semiindependent municipalities, special economic urban areas (SEUAs), or other place equivalents.

The state reports also include data for consolidated cities with 500 employees or more. Consolidated cities are made up of separately incorporated municipalities.

## COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had a major impact on the comparability of data between the 1992 and 1997 censuses. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past. If industries are not comparable between the two censuses, historic data are not shown. When applicable, Appendix G shows the product class and product comparability between the two systems.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those leaving manufacturing are logging and portions of publishing. Prominent among the industries coming into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. Data for the industries coming into manufacturing as well as those leaving manufacturing are included in the manufacturing industry report series for 1997. However, the state and summary reports only include data for industries in the NAICS definition of manufacturing.

Another change resulting from the conversion to NAICS is that data for central administrative offices (CAOs) associated with manufacturing are not included along side the manufacturing data. This change affects data in the state reports and the general summary.

## DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

# AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Annual Survey of Manufactures (ASM) in each of the 4 years between the economic censuses. The ASM is a probability-based sample of approximately 58,000 establishments and collects many of the same industry statistics (including employment, payroll, value of shipments, etc.) as the economic census. However, there are selected statistics not included in the ASM. Among these are the number of companies and establishments, detailed product and materials data, and substate geographic data.

In addition to the ASM, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes detailed product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. For the 1997 Economic Census – Manufacturing, the annual CIR data are included in the Product Summary report.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

# Table 1. Industry Statistics on NAICS Basis With Distribution Among 1987 SIC-Based Industries: 1997

NAICS or SIC code	Industry	A								Total capital		
		Com- panies <sup>1</sup>	estab- lish- ments <sup>2</sup>	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)	materials	shipments	expendi- tures (\$1,000)
<b>322233</b> 267800	Stationery, tablet, & related product mfg Stationery products	<b>157</b> N	<b>170</b> 170	<b>9 094</b> 9 094	<b>237 444</b> 237 444	<b>6 590</b> 6 590	<b>12 709</b> 12 709	<b>147 068</b> 147 068	<b>932 158</b> 932 158	<b>996 716</b> 996 716	<b>1 846 316</b> 1 846 316	<b>44 306</b> 44 306

[NAICS codes appear in bold type. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control. <sup>2</sup>Includes establishments with payroll at any time during the year.

## Table 2. Industry Statistics for Selected States: 1997

[States that are disclosures or with less than 100 employees are not shown. For explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

			All shments	All em	ployees	Pr	oduction work	ers				
Industry and geographic area	E1	Total	With 20 em- ploy- ees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
322233, STATIONERY, TABLET, & RELATED PRODUCT MFG												
United States	-	170	67	9 094	237 444	6 590	12 709	147 068	932 158	996 716	1 846 316	44 306
California Massachusetts New Jersey New York Pennsylvania Texas Wisconsin	- - 1 -	19 13 6 18 9 9 8	7645543	667 823 309 358 982 369 317	17 359 22 262 7 756 9 023 27 898 9 069 11 635	461 458 246 270 752 283 248	934 893 548 510 1 524 557 544	10 640 10 285 5 215 5 558 19 396 6 318 8 951	60 790 145 727 12 997 20 538 81 337 50 495 37 931	33 814 94 261 16 832 15 473 96 707 31 241 56 838	93 594 217 151 30 037 36 419 174 774 79 277 88 899	784 2 256 302 4 204 4 301 904 4 333

\* Hawaii has no incorporated places in the sense of functioning governmental units; however, in agreement with Hawaiian law, the Bureau of the Census reports data for census designated places (CDPs) which have been designated as place equivalents. Those CDPs, only for the state of Hawaii, with 2,500 or more population are recognized.

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data based on administrative-record data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

## Table 3. Detailed Statistics by Industry: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Value	Item	Value
322233, STATIONERY, TABLET, & RELATED PRODUCT MFG		322233, STATIONERY, TABLET, & RELATED PRODUCT MFG-Con.	
Companies <sup>1</sup> number.	157	Value added\$1,000	932 158
All establishments	170 103 40 27	Total inventories, beginning of year       \$1,000.         Finished goods inventories, beginning of year       \$1,000.         Work-in-process inventories, beginning of year       \$1,000.         Materials and supplies inventories, beginning of year       \$1,000.	255 917 158 015 19 700 78 202
All employees         number.           Total compensation <sup>2</sup> \$1,000.           Annual payroll         \$1,000.           Total fringe benefits         \$1,000.	9 094 289 077 237 444 51 633		364 782 239 801 20 472 104 509
Production workers, average for year	6 590 6 395	Gross book value of total assets at beginning of year\$1,000 Total capital expenditures (new and used)\$1,000 Capital expenditures for buildings and other structures	511 213 44 306
Production workers on May 12	7 086 6 430 6 449	(new and used)\$1,000 Capital expenditures for machinery and equipment (new	4 624 39 682
Production-worker hours	12 709 147 068	and used)	5 947 549 572
-		Total depreciation during year <sup>2</sup> \$1,000	26 858
Total cost of materials         \$1,000.           Cost of materials, parts, containers, etc., consumed         \$1,000.           Cost of resales         \$1,000.           Cost of fuels         \$1,000.           Cost of purchased electricity         \$1,000.           Cost of contract work         \$1,000.	996 716 888 002 88 288 2 424 8 978 9 024	Total rental payments <sup>2</sup> \$1,000.         Buildings and other structures rental payments <sup>2</sup> \$1,000.         Machinery and equipment rental payments <sup>2</sup> \$1,000.	19 769 7 898 11 871 1 549
Quantity of electricity purchased for heat and power	141 282 -	Response coverage ratio <sup>4</sup> percent Cost of purchased services for the repair of machinery and	92
Total value of shipments       \$1,000.         Primary products value of shipments       \$1,000.         Secondary products value of shipments       \$1,000.         Total miscellaneous receipts       \$1,000.         Value of resales       \$1,000.         Contract receipts       \$1,000.         Other miscellaneous receipts       \$1,000.         Secondary products value of resales       \$1,000.         Contract receipts       \$1,000.         Other miscellaneous receipts       \$1,000.	1 846 316 1 220 837 515 027 110 452 102 880 442 7 130	Cost of purchased communications services <sup>3</sup> \$1,000.         Response coverage ratio <sup>4</sup> percent.         Cost of purchased legal services <sup>3</sup> \$1,000.         Response coverage ratio <sup>4</sup> percent.         Cost of purchased acounting and bookkeeping services <sup>3</sup> \$1,000.	8 449 92 2 697 92 1 089 92 1 353 92 6 771
Primary products specialization ratio percent Value of primary products shipments made in all industries\$1,000 Value of primary products shipments made in this industry\$1,000 Value of primary products shipments made in other	70 1 381 492 1 220 837	Response coverage ratio <sup>4</sup> percent Cost of purchased software and other data processing	92 3 363
industries\$1,000	160 655	Cost of purchased refuse removal (including hazardous waste)	92
Coverage ratio percent.	88	services <sup>3</sup> \$1,000 Response coverage ratio <sup>4</sup> percent	1 135 92

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control. <sup>2</sup>These items are collected in the ASM and estimated for the remaining establishments; therefore, the levels of estimation are higher than for other items in the table. <sup>3</sup>Based on ASM sample data. <sup>4</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those ASM establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note: The amounts shown for purchased services reflect only those services that establishments purchase from other companies.

## Table 4. Industry Statistics by Employment Size: 1997

		All establishments		All em	ployees	Pr	oduction work	ers				
Employment size class	E1	Total	With 20 em- ploy- ees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
322233, STATIONERY, TABLET, & RELATED PRODUCT MFG												
All establishments	-	170	67	9 094	237 444	6 590	12 709	147 068	932 158	996 716	1 846 316	44 306
Establishments with 1 to 4 employees Establishments with 5 to 9	9	58	-	104	2 418	78	136	1 358	5 810	7 355	13 671	301
employees Establishments with 10 to 19	9	24	-	170	4 341	118	226	2 373	10 823	12 811	24 403	473
Establishments with 10 to 19 employees Establishments with 20 to 49	5	21	-	270	6 584	176	343	3 569	14 514	14 560	29 463	668
employees Establishments with 50 to 99	-	27	27	822	20 771	567	1 122	11 411	37 938	95 800	135 927	1 531
employees Establishments with 100 to 249	-	13	13	974	28 519	629	1 284	14 106	87 841	88 802	174 466	2 081
employees Establishments with 250 to 499	-	18	18	2 885	84 139	2 133	4 337	53 572	426 593	398 561	791 385	27 202
employees Establishments with 500 to 999	-	7	7	D	D	D	D	D	D	D	D	D
employees	-	2	2	D	D	D	D	D	D	D	D	D
Establishments with 1,000 to 2,499 employees Establishments with 2,500 employees	-	-	-	-	-	-	-	_	-	_	-	-
or more	-	-	-		-		-	-		-	-	-
Administrative records <sup>2</sup>	9	83	-	376	9 170	266	488	5 144	23 083	27 297	52 046	1 184

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more. <sup>2</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

## Table 5. Industry Statistics by Industry and Primary Product Class Specialization: 1997

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS industry or product class code	Industry or primary product class	All	All employees		Production workers			Value added			Total capital
		estab- lish- ments	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	expendi- tures (\$1,000)
322233	Stationery, tablet, & related product mfg	170	9 094	237 444	6 590	12 709	147 068	932 158	996 716	1 846 316	44 306
3222331 3222333	Stationery Tablets, pads, and related products	28 52	1 722 6 886	36 901 188 640	1 086 5 172	2 187 9 917	22 032 118 561	101 037 801 895	57 188 906 161	158 000 1 623 634	1 836 41 059

#### Products Statistics: 1997 and 1992 Table 6a.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Jor more         purpose         Quantify         (§1000)         or more         purposes         Quantify         (§1000)				19	97		1992			
odde         ethoremain stormed stormed purpose         country purpose         country (s) (500)         country (s) (500)         country purpose         country (s) (500)         country purpose         country (s) (s) (s) (s) (s) (s)         country (s) (s) <thcountry (s) (s)         <thcountry (s) (s)         <th< th=""><th></th><th>Desiduat</th><th></th><th></th><th>Product</th><th>shipments</th><th>Number of companies</th><th>-</th><th>Product</th><th>shipments</th></th<></thcountry </thcountry 		Desiduat			Product	shipments	Number of companies	-	Product	shipments
modules         N         X         X         1 381 492         N         X         X         1 384 492           2222311         Busioney         N         X         226 680         N         X         333           2222311         Busioney         N         X         X         276 884         N         X         X         333           22223111         Busioney many containance containa containa		Pioduci	shipments of \$100,000	production for all	Quantity		shipments of \$100,000	production for all	Quantity	Value (\$1,000)
3222311 322231121 322231121         Stetionery medicing and scale including constraints         21 x         x         x         215 x         x         x         100 x         x <t< td=""><td>322233</td><td>Stationery, tablet, and related products</td><td>N</td><td>x</td><td>х</td><td>1 381 492</td><td>N</td><td>x</td><td>x</td><td>1 268 776</td></t<>	322233	Stationery, tablet, and related products	N	x	х	1 381 492	N	x	x	1 268 776
222231121       Wedding and social announcements.       18       X       X       91 476       15       X       X       922231131         222231131       All differ stationy products.       28       X       K       63 892       22       X       X       100         2222311WV       Stationey, net.       N       X       X       13 618       N       X       X       3222331         2222331WV       Stationey, net.       N       X       X       1066 178       N       X       X       36         2222331WV       Stationey, net.       N       X       X       56       572       N       X       X       66         22233311       Tables and pads, 81/21 n. x1 4 n. and 8       N       X       56       572       N       X       X       66         22233321       Tables and pads, including columnat       16       X       X       56       572       N       X       X       66         2223332       All other stations, fould mad       N       X       X       56       577       X       X       X       66         22233321       Columnar       Statin N       X       X       56	3222331	Stationery	N	х	х	226 880	N	х	х	333 307
g22231131         gaper, Tards, and envelopes	3222331111	Stationery		x x	x x				X X	N 106 873
inconformerical         26         X         X         63         822         X         X         105           32223317         Stationeyn, nak.         N         X         X         13         616         N         X         X         322331           32223331         Tables, pads, and related products         N         X         X         13         616         N         X         X         3223331           32223331         Tables, pads, and related products         N         X         X         106         175         N         X         X         805           32223311         Tables and pads, 12 (in, x14 in, and 8         N         X         X         56         572         N         X         X         66         572         N         X         X         95         011         N         X         X         95         011         N         X         X         95         011         N         X         X         309         073         N         X         X         309         073         N         X         X         22233331         Nocleoks, houd with we (except columar), staples, freed, or plasics (including compositon, meno, and media)         N         X		paper, cards, and envelopes All other stationery products, including	18	х	х	91 476	15	х	х	84 530
3222333       Tablets, pads, and related products       N       X       X       1 066 178       N       X       X       805         32223311       Tablets, and pads, 8 1/2 in, x 11 in, and 8       N       X       X       56 572       N       X       X       66         32223321       Tablets, and pads, 8 1/2 in, x 11 in, and       18       X       X       56 572       Q       X       X       66         32223322       All other tablets and pads, including       N       X       X       95 011       N       X       X       95       N       X       X       95       10       N       X       X       95       11       N       X       X       309       073       N       X       X       2223333       10       100 <td></td> <td>noncommercial</td> <td>28</td> <td>х</td> <td>Х</td> <td>63 892</td> <td>22</td> <td>х</td> <td>Х</td> <td>105 950</td>		noncommercial	28	х	Х	63 892	22	х	Х	105 950
3222331 322233111Tables and pate, 8 12 n, x 11 in, and Tables and pate, 8 1/2 in, x 11 in, and tables and pate, 8 1/2 in, x 11 in, and 8 1/2 in, x 11 in, and 9 1/2 in x 11 i		Stationery, nskStationery, nsk		X X	X X	13 618 13 618		X X	X X	N 35 954
322233111       11/2, n. x 14 in., except columnar			N	х	Х	1 086 178	N	х	х	809 361
3222332       All other tablets and pads, including       N       X       X       95 011       N       X       X         322233221       All other tablets and pads, including       31       X       X       95 011       N       X       X         32223332       Notebooks, bound with wire (except columnar, staples, thread, or plastics thread, or plastics thread, or plastics       N       X       36 073       N       X       X         322233321       Notebooks, bound with wire (except columnar), staples, thread, or plastics       N       X       X       309 073       N       X       X       2223334         322233324       Looseleaf paper filers, school and commends and thread or plastics       N       X       X       309 073       34       X       X       2223344         322233341       Looseleaf paper filers, school and commends and thread, or plastics       N       X       125 981       N       X       X       100         322233551       Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax       N       X       X       301 179       N       X       X       77         322233551       Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax       N       X       125 981 <td></td> <td>1/2 in. x 14 in., except columnar Tablets and pads, 8 1/2 in. x 11 in. and</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>N</td>		1/2 in. x 14 in., except columnar Tablets and pads, 8 1/2 in. x 11 in. and								N
222233221       columnar			18	X	Х	56 572	22	x	Х	66 135
3222333       Notebooks, bound with wire (except (including composition, memo, and stenographic but excluding case made)       N       X       X       309 073       N       X       X         322233331       Stenographic but excluding case made)       N       X       X       309 073       N       X       X         322233341       Looseleaf paper filers, school and commercial types       N       X       X       125 981       N       X       X       100         32223335       Wrapped ream paper (exclude looseleaf (including cape)       N       X       X       125 981       N       X       X       100         32223355       Wrapped ream paper (exclude looseleaf (including cape)       N       X       X       301 179       N       X       X       100         322233561       Wrapped ream paper (exclude looseleaf paper filers, photographic and photocopy paper, and paper for fax       N       X       X       301 179       N       X       X       100         322233561       Wrapped ream paper (exclude looseleaf photocopy paper, and paper for fax       18       X       301 179       N       X       X       20         322233561       All other tablets, pads, and related products, nec       N       X       X       100       X		columnarAll other tablets and pads, including								Ν
222233331columnal, staples, thread, or plastics (including composition, memo, and stenographic but excluding case made) ordentiation, stappes, thread, or plastics (including), stappes, school and (commercial types, school and (commer			31	х	Х	95 011	N	x	х	Ν
stenographic but excluding case made)43XX309 07334XX2223222334Looseleaf paper fillers, school and commercial typesNXX125 981NXX101322233441Looseleaf paper fillers, school and commercial types20XX125 981NXX101322233551Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax machines)NXX301 179NXX101322233551Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax machines)NXX301 179NXX101322233661All other tablets, pads, and related products, necNXX301 179NXX77322233691All other tablets, pads, and related products, necNXX170 053NXX223222337WVTablets, pads, and related products, nskNXX28 309NXX126322233WVTablets, pads, and related products, nsk,NXX68 434NXX126322233WVStationery, tablets, and related products, nsk, totalNXX68 434NX126322233WVStationery, tablets, and related products, nsk, totalNXX68 434NX126322233WVSta		columnar), staples, thread, or plastics (including composition, memo, and stenographic but excluding case made) Notebooks, bound with wire (except columnar), staples, thread, or plastics	N	x	x	309 073	N	x	x	Ν
222233441commercial typesNXX125 981NXXX322233441Looseleaf apper fillers, school and commercial types20XX125 98117XX10132223335Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax machines)NXX301 179NXX101322233351Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax machines)NXX301 179NXXX32223336All other tablets, pads, and related products, necNXX170 053NXX263222333691All other tablets, pads, and related products, necNXX170 053NXX2632223337WVVTablets, pads, and related products, nsk, totalNXX28 309NXX156322233WVVVStationery, tablets, and related products, nsk, totalNXX68 434NX126322233WVVWStationery, tablets, and related products, nsk, totalNXX68 434NX126322233WVVWVStationery, tablets, and related products, nsk, totalNXX228 292NX126322233WVVWVStationery, tablets, and related products, 		stenographic but excluding case	43	х	х	309 073	34	х	х	222 426
3222333411Looseleaf paper fillers, school and commercial types20XX12598117XX10132223335Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax machines)NXX301179NXXX3222333551Wrapped ream paper (exclude looseleaf fillers, photographic and photocopy paper, and paper for fax machines)NXX301179NXXX32223336All other tablets, pads, and related products, nec.NXX30117912XX773222333691All other tablets, pads, and related products, nec.NXX170053NXX2632223337WTablets, pads, and related products, nsk.NXX28309NXX156322233WStationery, tablets, and related products, nsk, totalNXX68434NX126322233WYWWStationery, tablets, and related products, nsk, totalNXX68434NX126322233WYWWStationery, tablets, and related products, nsk, tor mardministrative- record establishmentsNXX2292NXX105	32223334	commercial types	N	х	х	125 981	N	x	x	N
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Jobseleaf fillers, photographic and photocopy paper, and paper for fax machines)18XX301 17912XX7732223336All other tablets, pads, and related products, necNXX170 053NXXX3222333691All other tablets, pads, and related products, necNXX170 05320XX263222333691All other tablets, pads, and related products, necNXX170 05320XX263222333YWVTablets, pads, and related products, nskNXX28 309NXX26322233YWVTablets, pads, and related products, nskNXX28 309NXX156322233WVStationery, tablets, and related products, nsk, totalNXX68 434NXX126322233WYStationery, tablets, and related products, nsk, totalNXX68 434NXX126322233WYWVStationery, tablets, and related products, nsk, totalNXX68 434NXX126322233WYWVStationery, tablets, and related products, nsk, totalNXX289NXX126322233WYWVStationery, tablets, and related products, nsk, totalNXX289NXX12632223WYWVStationery, tablets, and related products, <br< td=""><td></td><td>fillers, photographic and photocopy paper, and paper for fax machines)</td><td>N</td><td>x</td><td>х</td><td>301 179</td><td>N</td><td>x</td><td>x</td><td>N</td></br<>		fillers, photographic and photocopy paper, and paper for fax machines)	N	x	х	301 179	N	x	x	N
3222333691products, necNXXX170053NXXXAll other tablets, pads, and related products, necAll other tablets, pads, and related products, nsk.18XX17005320XX263222333Y 3222333YWVTablets, pads, and related products, nsk.NXX28309NXX263222333YWVTablets, pads, and related products, nsk.NXX28309NXX156322233WVStationery, tablets, and related products, nsk. totalNXX68434NX126322233WYWStationery, tablets, and related products, 	3222333331	looseleaf fillers, photographic and photocopy paper, and paper for fax	18	x	х	301 179	12	x	x	77 352
3222333691All other tablets, pads, and related products, nec18XX170 05320XX263222333Y 322233YWVTablets, pads, and related products, nsk Tablets, pads, and related products, nsk nskNXX28 309NXXX32322233YWVTablets, pads, and related products, nsk nsk nskNXX28 309NXX156322233WVStationery, tablets, and related products, nsk, total 322233WYNXX68 434NX126322233WY 322233WYWWStationery, tablets, and related products, nsk, total Stationery, tablets, and related products, nsk, totalNXX68 434NXX126322233WYWWStationery, tablets, and related products, record establishmentsNXX68 434NXX126322233WYWWStationery, tablets, and related products, record establishmentsNXX22 929NXX105	32223336		N	x	х	170 053	N	x	x	N
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322233W       Stationery, tablets, and related products, nsk, total       N       X       X       68 434       N       X       126         322233WY       Stationery, tablets, and related products, nsk, total       N       X       X       68 434       N       X       126         322233WY       Stationery, tablets, and related products, nsk, total       N       X       X       68 434       N       X       X       126         322233WYWW       Stationery, tablets, and related products, stationery, tablets, and related products, nsk, for nonadministrative- record establishments       N       X       X       68 434       N       X       X		Tablets, pads, and related products,								N
322233WY Stationery, tablets, and related products, nsk, total	322233W	Stationery, tablets, and related products,								158 620 126 108
322233WYWW Stationery, tablets, and related products, nsk, for nonadministrative- record establishments	322233WY	Stationery, tablets, and related products,								
record establishments N N X X 22 929 N X X 105	322233WYWW	Stationery, tablets, and related products, nsk, for nonadministrative-								N
products, nsk, for administrative-	322233WYWY	record establishments Stationery, tablets, and related products, nsk, for administrative-								109 938 16 170

# Additional information is available for this item; see Appendix F. @ Additional data are available for these codes at the aggregate U.S. level in the Current Industrial Report (CIR) series; see Appendix F for the CIR survey number and title. \$ This product is primary to more than one industry; see Appendix F for a listing of the related product codes.

Note: For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: P 10 to 19 percent estimated; 9 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

## Table 6b. Product Class Shipments for Selected States: 1997 and 1992

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanations of terms, see appendixes]

NAICS product class	Product class and geographic area	Value of product shipments (\$1,000)				
code		1997	1992			
3222331	STATIONERY					
	United States	226 880	333 307			
	California Illinois Massachusetts Michigan Texas	4 767 7 179 4 145	31 783 28 798 18 294 6 698 4 823			
3222333	TABLETS, PADS, AND RELATED PRODUCTS					
	United States	1 086 178	809 361			
	California Indiana Massachusetts Missouri. New Jersey.	6 156 115 803 92 666	41 899 N 53 953 N 18 127			
	New York North Carolina Pennsylvania Wisconsin	32 735 101 208	41 453 N 79 331 33 931			

# Additional information is available for this item; see Appendix F. @ Additional data are available for these codes at the aggregate U.S. level in the Current Industrial Report (CIR) series; see Appendix F for the CIR survey number and title. \$ This product is primary to more than one industry; see Appendix F for a listing of the related product codes.

## Table 7. Materials Consumed by Kind: 1997 and 1992

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS		19	97	1992		
material code	Material consumed	Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)	
322233	STATIONERY, TABLET, & RELATED PRODUCT MFG					
00190005 32210005 32521105	Recovered paper, all types	X 758.8	D 613 593	X 9594.2	N 396 382	
32610013	etc. Plastics products consumed in the form of sheets, rods, tubes, film, and	X	D	x	N	
31332007	other shapes Coated or laminated fabrics, including vinyl coated	Â	7 809 25 235	â	4 618	
32552003 32591003 32221001 00970099 00971000	Glues and adhesives Printing ink. Paperboard containers, boxes, and corrugated paperboard All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	Х	7 987 3 342 77 839 76 756 66 895	X X X X X	4 688 3 953 21 729 N 155 240	

# Additional information is available for this item: see Appendix F.

Note: For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: <sup>p</sup> 10 to 19 percent estimated; <sup>q</sup> 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

## Appendix A. Explanation of Terms

## **BEGINNING- AND END-OF-YEAR INVENTORIES**

Respondents were asked to report their beginning-ofyear and end-of-year inventories at cost or market. Effective with the 1982 Economic Census, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). Beginning in 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

## **Inventory Data by Stage of Fabrication**

Total inventories and three detailed components (1) finished goods, (2) work-in-process, and (3) materials, supplies, fuels, etc., were collected.

When using inventory data by stage of fabrication for "all industries" and at the three-digit subsector level, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by an establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for all publication levels.

## **COST OF MATERIALS**

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

Included in this item are:

- 1. Cost of parts, components, containers, etc.—Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
- 2. Cost of products bought and sold in the same condition.

- 3. Cost of fuels consumed for heat and power—Includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.
- 4. Cost of purchased electricity—The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.
- 5. Cost of contract work—This term applies to work done by others on materials furnished by the manufacturing establishment. The actual cost of the material is to be reported on the cost of materials, parts, and containers line of this item. The term "Contract Work" refers to the fee a company pays to another company to perform a service.

## **Specific Materials Consumed**

In addition to the total cost of materials, which every establishment was required to report, information also was collected for most manufacturing industries on the consumption of major materials used in manufacturing. The inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers' records. If less than \$25,000 of a listed material was consumed by an establishment, the cost data could be reported in the "Cost of all other materials...," Census material code 00970099. Also, the cost of materials for small establishments for which administrative records or short forms were used was imputed into the "Materials not specified by kind," Census materials code 00971000.

# Duplication in Cost of Materials and Value of Shipment

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive

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stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

### **COST OF PURCHASED SERVICES**

Annual Survey of Manufactures (ASM) establishments were requested to provide information on the cost of purchased services for the repair of buildings and other structures, the repair of machinery, communication services, legal services, accounting and bookkeeping services, advertising, software and other data processing services, and refuse removal. Each of these items reflects the costs paid directly by the establishment and excludes salaries paid to employees of the establishment for these services.

Included in the cost of purchased services for the repair of buildings and machinery are payments made for all maintenance and repair work on buildings and equipment. Payments made to other establishments of the same company and for repair and maintenance of any leased property also are included. Extensive repairs or reconstruction that was capitalized is considered capital expenditures and is, therefore, excluded from this item. Repair and maintenance costs provided by an owner as part of a rental contract or incurred directly by an establishment in using its own work force also are excluded.

Included in the cost of purchased advertising services are payments for printing, media coverage, and other advertising services and materials.

Included in the cost of purchased software and other data processing services are all purchases by the establishment from other companies. Excluded are services provided by other establishments of the same company (such as by a separate data processing unit). Included in the cost of purchased refuse removal services are all costs of refuse removal services paid by the establishment, including costs for hazardous waste removal or treatment. Excluded are all costs included in rental payments or as capital expenditures.

## **Response Coverage Ratio**

A response coverage ratio is a measure of the extent to which respondents report for an item. The estimate is made by calculating the ratio value of the weighted total employment data for all the ASM establishments that report the item to the weighted total employment data for all ASM establishments classified in an industry (reporters and non-reporters).

## **DEPRECIATION CHARGES FOR FIXED ASSETS**

This item includes depreciation and amortization charged during the year against assets. Depreciation charged against fixed assets acquired since the beginning of the year and against assets sold or retired during the year are components of this category. Respondents were requested to make certain that they did not report accumulated depreciation.

## **EMPLOYEES**

This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period which included the 12th of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

## **Production Workers**

This item includes workers (up through the linesupervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

## All Other Employees

This item covers nonproduction employees of the manufacturing establishment including those engaged in factory supervision above the line-supervisor level. It includes sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force.

### **FRINGE BENEFITS**

Fringe benefits are divided into legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of Federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as companyoperated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees.

### GROSS BOOK VALUE OF DEPRECIABLE ASSETS AT BEGINNING OF YEAR (BOY) AND END OF YEAR (EOY)

Total value of depreciable assets is collected on all census forms. It shows the value of depreciable assets for the beginning of year and end of year. The data encompass all fixed depreciable assets on the books of establishments. The values shown (book value) represent the actual cost of assets at the time they were acquired, including all costs incurred in making the assets usable (such as transportation and installation). Included are all buildings, structures, machinery, and equipment (production, office, and transportation equipment) for which depreciation reserves are maintained. Excluded are nondepreciable capital assets including inventories and intangible assets, such as timber and mineral rights.

The definition of fixed depreciable assets is consistent with the definition of capital expenditures. For example, expenditures include actual capital outlays during the year rather than the final value of equipment put in place and buildings completed during the year. Accordingly, the value of assets at the end of the year includes the value of construction in progress.

In addition, respondents were requested to make certain that assets at the beginning of the year plus capital expenditures, less retirements, equaled assets at the end of the year.

#### NUMBER OF ESTABLISHMENTS AND COMPANIES

A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

If the company operated at different physical locations, even if the individual locations were producing the same line of goods, a separate report was requested for each location. If the company operated in two or more distinct lines of manufacturing at the same location, a separate report was requested for each activity.

An establishment not in operation for any portion of the year was requested to return the report form with the proper notation in the "Operational Status" section of the form. In addition, the establishment was requested to report data on any employees, capital expenditures, inventories, or shipments from inventories during the year.

### PAYROLL

This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year. Respondents were told they could follow the definition of payrolls used for calculating the Federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of Armed Forces and pensioners carried on the active payrolls of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all Federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers' social security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

The ASM provides estimates of employers' total supplemental labor costs (those required by Federal and state laws and those incurred voluntarily or as part of collective bargaining agreements).

### **PRODUCT CODES AND CLASSES OF PRODUCTS**

NAICS United States industries are identified by a sixdigit code, in contrast to the four-digit SIC code. The longer code accommodates the large number of sectors and allows more flexibility in designing subsectors. Each

#### 1997 ECONOMIC CENSUS

product or service is assigned a ten-digit code. The product coding structure represents an extension by the Census Bureau of the six-digit industry classifications of the manufacturing and mining sectors. The classification system operates so that the industrial coverage is progressively narrower with the successive addition of digits. This is illustrated as follows:

NAICS level	NAICS code	Description
	NAICS COUE	Description
Industry	33461	Manufacturing and reproduction of magnetic and optical media
U.S. industry	334612	Reproduction of software
Product class	3346120	Prerecorded compact disc (except software), tape, and record repro- ducing
BLS link code	3346120X	
Product code	3346120XXX	

As in previous censuses, data were collected for most industries on the quantity and value of individual products shipped. In the 1997 census program, information was collected on the output of almost 10,000 individual product items.

In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products (ten-digit codes), and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits.

The list of products for which separate information was collected was prepared after consultation with industry and government representatives. Comparability with previous figures was given considerable weight in the selection of product categories so that comparable 1992 information is presented for most products.

Typically, both quantity and value of shipments information were collected. However, if quantity was not significant or could not be reported by manufacturers, only value of shipments was collected.

Shipments include both commercial shipments and transfers of products to other plants of the same company. For industries in which a considerable portion of the total shipments is transferred to other plants of the same company, separate information on interplant transfers also was collected. Moreover, for products that are used to a large degree within the same establishment as materials or components in the fabrication of other products, total production and often consumption of the item within the plant (quantity produced and consumed) was collected. Typically, the information on production also was collected for products for which there are significant differences between total production and shipments in a given year because of wide fluctuations in finished goods inventories. Other measures of output of products with long production cycles were used as appropriate and feasible.

## PRIMARY PRODUCT CLASS CODE

This file presents selected statistics for establishments according to their degree of specialization in products primary to their industry. This field contains either the sixdigit North American Industrial Classification System (NAICS) industry code corresponding to all establishments in the industry, or the seven-digit NAICS product class code for all establishments within the industry that are specialized in a particular product class. Product class specialization is determined by evaluating the ratio of the largest primary product class shipments to total product shipments (primary plus secondary, excluding miscellaneous receipts) for the establishment.

## **PRODUCTION-WORKER HOURS**

This item covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave.

## QUANTITY OF ELECTRIC ENERGY CONSUMED FOR HEAT AND POWER

Data on the cost of purchased electric energy were collected on all census forms. However, data on the quantity of purchased electric energy were collected only on the Annual Survey of Manufactures (ASM) form. In addition, information is collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

## **RENTAL PAYMENTS**

Total rental payments are collected on all census forms. However, the breakdown between rental payments for buildings and other structures and rental payments for machinery and equipment is collected only on the ASM forms. This item includes rental payments for the use of all items for which depreciation reserves would be maintained if they were owned by the establishment, e.g., structures and buildings, and production, office, and transportation equipment. Excluded are royalties and other payments for the use of intangibles and depletable assets and land rents where separable.

When an establishment of a multiestablishment company was charged rent by another part of the same company for the use of assets owned by the company, it was instructed to exclude that cost from rental payments. However, the book value (original cost) of these companyowned assets was to be reported as assets of the establishment at the end of the year.

If there were assets at an establishment rented from another company and the rents were paid centrally by the head office of the establishment, the company was instructed to report these rental payments as if they were paid directly by the establishment.

#### **RETIREMENTS OF DEPRECIABLE ASSETS**

Included in this item is the gross value of assets sold, retired, scrapped, destroyed, etc., during the calendar year. When a complete operation or establishment changed ownership, the respondent was instructed to report the value of the assets sold at the original cost as recorded in the books of the seller. The respondent also was requested to report retirements of equipment or structures owned by a parent company that the establishment was using as if it were a tenant.

## TOTAL CAPITAL EXPENDITURES (NEW AND USED)

For establishments in operation and any known plants under construction, manufacturers were asked to report their new and used expenditures for (1) permanent additions and major alterations to manufacturing establishments and (2) machinery and equipment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained.

Totals for expenditures include the costs of assets leased from nonmanufacturing concerns through capital leases. New facilities owned by the Federal Government but operated under contract by private companies and plant and equipment furnished to the manufacturer by communities and nonprofit organizations are excluded. Also excluded are expenditures for land and cost of maintenance and repairs charged as current operating expenses.

For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported. If an establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported.

## VALUE ADDED

This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process between the beginningand end-of-year inventories.

For those industries where value of production is collected instead of value of shipments, value added is adjusted only for the change in work-in-process inventories between the beginning and end of year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

"Value added" avoids the duplication in the figure for value of shipments that results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

#### **VALUE OF SHIPMENTS**

This item covers the received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all items made by or for the establishments from material owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of "all other costs" (including company overhead) and profit.

In addition to the value for NAICS defined products, aggregates of the following categories of miscellaneous receipts are reported as part of a total establishment's value of product shipments:

- 1. Reported contract work—Receipts for work or services that a plant performed for others on their materials.
- 2. Value of resales—Sales of products brought and sold without further manufacture, processing, or assembly.
- 3. Other miscellaneous receipts—Such as repair work, installation, sales of scrap, etc.

Industry primary product value of shipments represents one of the three components of value of shipments. These components are:

- 1. Primary products value of shipments.
- 2. Secondary product value of shipments.
- 3. Total miscellaneous receipts.

Primary product shipments is used in the calculations of industry specialization ratio and industry coverage ratio. The term "Value of primary products shipments made in this industry" is used in this publication and refers to the same data.

# Duplication in Cost of Materials and Value of Shipment

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within a number of industry groups, e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry. Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

## **Specialization and Coverage Ratios**

These items are not collected on the report forms but are derived from the data shown in Table 3. An establishment is classified in a particular industry if its shipments of primary products of that industry exceed in value its shipments of the products of any other single industry.

An establishment's shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.). Specialization and coverage ratios have been developed to measure the relationship of primary product shipments to the data on shipments for the industry shown in Tables 1a through 5 and data on product shipments shown in Tables 6a and 6b.

Specialization ratio represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

Coverage ratio represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments wherever classified.

## Appendix B. NAICS Codes, Titles, and Descriptions

## 322233 STATIONERY, TABLET, AND RELATED PRODUCT MANUFACTURING

This U.S. industry comprises establishments primarily engaged in converting paper and paperboard into products used for writing and similar applications (e.g., looseleaf fillers, notebooks, pads, stationery, tablets). The data published with NAICS code 322233 include the following SIC industry:

2678 Stationery products

## Appendix C. Coverage and Methodology

### MAIL/NONMAIL UNIVERSE

The manufacturing universe includes about 400,000 establishments. This number includes those industries in the North American Industry Classification System (NAICS) definition of manufacturing, but not those industries leaving the manufacturing sector in the classification change. The amounts of information requested from manufacturing establishments were dependent upon a number of factors. The more important considerations were the size of the company and whether it was included in the annual survey of manufactures (ASM). The methods of obtaining information for the various subsets of the universe to arrive at the aggregate figures shown in the publication are described below:

1. Small single-establishment companies not sent a report form.

Approximately 40 percent of the manufacturing establishments were small single-establishment companies that were excused from filing a census report. Selection of these establishments was based on two factors: annual payroll and our ability to assign the correct six-digit NAICS industry classification to the establishment. For each four-digit Standard Industrial Classification (SIC) industry code, an annual payroll cutoff was determined. These cutoffs were derived so that the establishments with payroll less than the cutoff were expected to account for no more than 3 percent of the value of shipments for the industry. Generally, all single-establishment companies with less than 5 employees were excused, while all establishments with more than 20 employees were mailed forms. Establishments below the cutoff that could not be directly assigned a six-digit NAICS code were mailed a classification report which requested information for assigning NAICS industry codes. Establishments below the cutoff that could be directly assigned a six-digit NAICS code were excused from filing any report. For below cutoff establishments, information on the physical location, payroll, and receipts was obtained from the administrative records of other Federal agencies under special arrangements that safeguarded their confidentiality.

Estimates of data for these small establishments were developed using industry averages in conjunction with the administrative information. The value of shipments and cost of materials were not distributed among specific products and materials for these establishments but were included in the product and material "not specified by kind" (nsk) categories.

The industry classification codes included in the administrative-record files were assigned on the basis of brief descriptions of the general activity of the establishment. As a result, an indeterminate number of establishments were erroneously coded to a fourdigit SIC industry and then erroneously re-coded to a six-digit NAICS industry. This was especially true whenever there was a relatively fine line of demarcation between industries or between manufacturing and nonmanufacturing activity.

Sometimes the administrative-record cases had only two- or three-digit SIC group classification codes available in the files. For the 1997 Economic Census – Manufacturing, these establishments were sent a separate classification form, which requested information on the products and services of the establishment. This form was used to code many of these establishments to the appropriate six-digit NAICS level. Establishments that did not return the classification form were coded later to those six-digit NAICS industries identified as "All other" industries within the given subsector.

As a result of these situations, a number of small establishments may have been misclassified by industry. However, such possible misclassification has no significant effect on the statistics other than on the number of companies and establishments.

The total establishment count for individual industries should be viewed as an approximation rather than a precise measurement. The counts for establishments with 20 employees or more are far more reliable than the count of total number of establishments.

2. Establishments sent a report form.

The establishments covered in the mail canvass were divided into three groups:

a. ASM sample establishments.

This group accounts for approximately 15 percent of all manufacturing establishments. The ASM panel covers all the units of large manufacturing establishments as well as a sample of the medium and smaller establishments. The probability of selection was proportionate to size. For more information, see the Description of the ASM Survey Sample.

In an economic census year, the ASM report form (MA-1000) replaces the first page of the regular census form for those establishments included in the ASM. In addition to information on employment, payroll, and other items normally requested on the regular census form, establishments in the ASM sample were requested to supply additional information on gross book value of assets and capital expenditures. ASM establishments were also requested to provide information on retirements, depreciation, rental payments, and supplemental labor costs. For establishments not included in the ASM, these additional items were estimated using relationships observed in the ASM establishment data. The census statistics for these variables are a sum of the ASM establishment data and the estimated data for non-ASM establishments. ASM establishments were also requested to provide information for selected purchased services. The census statistics for the purchased service items were derived solely from the ASM establishments. See Appendix A, Explanation of Terms for an explanation of these items. The census part of the report form is 1 of 220 versions containing product, material, and special inquiries. The diversity of manufacturing activities necessitated the use of this many forms to canvass the 480 manufacturing industries. Each form was developed for a group of related industries.

Appearing on each form was a list of products primary to the group of related industries as well as secondary products and miscellaneous services that establishments classified in these industries were likely to perform. Respondents were requested to identify the products, the value of each product, and, in many cases, the quantity of the product shipped during the survey year. Space also was provided for the respondent to describe products not specifically identified on the form.

The report form also contained a materialsconsumed inquiry which varied from form to form depending on the industries being canvassed. The respondents were asked to review a list of materials generally used in their production processes. From this list, each establishment was requested to identify those materials consumed during the survey year, the cost of each, and, in certain cases, the quantity consumed. Once again, space was provided for the respondent to describe significant materials not identified on the form.

A wide variety of special inquiries was included to measure activities peculiar to a given industry, such as operations performed and equipment used.

b. Large and medium establishments (non-ASM).

Approximately 30 percent of all manufacturing establishments were included in this group. A variable cutoff, based on administrative-record payroll data and determined on an industry-by-industry basis, was used to select those establishments that were to receive 1 of the 220 economic census – manufacturing regular forms. The first page, requesting establishment data for items such as employment and payroll, was standard but did not contain the detailed statistics included on the ASM form. The product, material, and special inquiry sections supplied were based on the historical industry classification of the establishment.

c. Small single-establishment companies (non-ASM).

This group includes approximately 15 percent of all manufacturing establishments. For those industries where application of the variable cutoff for administrative-record cases resulted in a large number of small establishments being included in the mail canvass, an abbreviated or short form was used. These establishments received 1 of the 31 versions of the short form, which requested summary product and material data and totals but no details on employment, payroll, cost of materials, inventories, and capital expenditures.

Use of the short form has no adverse effect on published totals for the industry statistics because the same data were collected on the short form as on the long form. However, detailed information on products and materials consumed was not collected on the short form; thus, its use would increase the value of the nsk categories.

## INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments covered in the 1997 Economic Census – Manufacturing was classified in 1 of 480 industries (473 manufacturing industries and 7 former manufacturing industries) in accordance with the industry definitions in the 1997 NAICS Manual. This is the first edition of the NAICS Manual and it is a major change from the 1987 SIC Manual that was used previously. Appendix A of the 1997 NAICS Manual notes the comparability between the 1987 SIC and 1997 NAICS classification systems. When applicable, Appendix G of this report shows the product class and product comparability between the two systems for data in this report.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supplybased or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 1997, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). This represents an expansion of the four-digit SICbased U.S. industries from 459 in 1987. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits. These counts do not include the seven former manufacturing industries that are included in the 1997 Economic Census – Manufacturing.

For the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. For 1997, there were no "resistance rules" or "frozen industries."

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior year is significant or if the change has occurred for 2 successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

As previously noted, the small establishments that may have been misclassified by industry are usually administrative-record cases whose industry codes were assigned on the basis of incomplete descriptions of the general activity of the establishment. Such possible misclassifications have no significant effect on the statistics other than on the number of companies and establishments. Establishments frequently make products classified both in their industry (primary products) and other industries (secondary products). Industry statistics (employment, payroll, value added by manufacture, value of shipments, etc.) reflect the activities of the establishments which may make both primary and secondary products. Product statistics, however, represent the output of all establishments without regard for the classification of the producing establishment. For this reason, when relating the industry statistics, especially the value of shipments, to the product statistics, the composition of the industry's output should be considered.

The extent to which industry and product statistics may be matched with each other is measured by the primary product specialization ratio and the coverage ratio. The primary product specialization ratio is the proportion of industry shipments accounted for by the primary products of establishments classified in the industry. The coverage ratio is the proportion of product shipments accounted for by establishments classified in the industry.

### **ESTABLISHMENT BASIS OF REPORTING**

The economic census – manufacturing is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment. The ASM also is conducted on an establishment basis, but separate reports are filed for just those establishments selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

In 1997, as in earlier years, a minimum size limit was set for inclusion of establishments in the census. All establishments employing one person or more at any time during the census year are included. The same size limitation has applied since 1947 in censuses and annual surveys of manufactures. In the 1939 and earlier censuses, establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the census figures except for data on number of establishments for a few industries.

The 1997 Economic Census – Manufacturing excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service manufacturing establishments of the same company. These data are published in a separate report series.

#### DESCRIPTION OF THE ASM SURVEY SAMPLE

The annual survey of manufactures (ASM) sample is drawn for the second survey year after a census. The most recent sample was drawn for the 1994 survey year based on the 1992 Census of Manufactures. This sample will be in place through the 1998 ASM.

#### MANUFACTURING

In 1992, there were approximately 370,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1992 manufacturing population was partitioned into two components for developing estimates within the ASM; a mail stratum and a nonmail stratum.

**Mail stratum.** The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies that operate at more than one physical location). Approximately 230,000 of the 370,000 establishments in the 1992 census were assigned to the mail stratum. On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1994 survey, a new sample of approximately 58,000 individual establishments was selected from the mail stratum assembled from the 1992 census. Supplemental samples representing both 1993 and 1994 births (newly active establishments that were not included in the 1992 census) were also selected. Establishments selected for the sample are mailed an ASM survey questionnaire for each year through 1998.

The 1994-98 ASM sample design is similar to the one used since 1984. Companies in the 1992 Census of Manufactures with manufacturing shipments of at least \$500 million were defined as company certainties. For these large companies, each manufacturing establishment is included in the mail sample. For the 1994-98 sample, there are approximately 650 certainty companies collectively accounting for over 18,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 250 employees or more were defined as employment certainties. In addition, all establishments producing products in SIC 3571 (Electronic Computers) were defined as certainties. Across these three arbitrary certainty classes, there were approximately 25,000 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 80 percent of the total value of shipments in the 1992 Census of Manufactures.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class (1,755) and four-digit industry (459), a desired reliability constraint was specified. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

**Nonmail component.** The initial nonmail component of the survey was comprised of approximately 140,000 small, single-establishment companies that were tabulated as administrative records in the 1992 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the Internal Revenue Service (IRS) and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum. For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions which safeguard the confidentiality of both tax and census records.

# DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1992 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the "difference" between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1993-1997 ASM estimates, the 1992 Census of Manufactures values serve as the base year. For the 1998 ASM, the base will be updated to be the 1997 Economic Census – Manufacturing.

Due to the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 170,000 individual establishments in 1994, it accounts for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

### **QUALIFICATIONS OF THE ASM DATA**

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, completecoverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.

From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

## DATA FROM THE CURRENT INDUSTRIAL REPORTS (CIR)

The CIR program provides product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly. When detail product data are collected in the CIR, they are not also collected in the census. However, the annual CIR data are included in the census Product Summary report.

The CIR program uses a unified data collection, processing, and publication system. The Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broaderbased annual survey of manufactures and the economic

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census – manufacturing. The economic census – manufacturing provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. While the CIR program includes both mandatory and voluntary surveys, the annual data are mandatory.

## DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

# VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

## Appendix D. Geographic Notes

Not applicable for this report.

## Appendix E. Metropolitan Areas

Not applicable for this report.

## Appendix F. Footnotes for Products Statistics and Materials Consumed by Kind

Not applicable for this report.

## Appendix G. Comparability of Product Classes and Product Codes: 1997 to 1992

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
	26111 2611100		322121J 322121J111	26767 2676714 2676751		3222110 3222110111		26530 2653012 2653014
3221103	26113	26113	322121J121 322121JYWV	2676700		3222110114 3222110221	2653013	2653013
3221103111 3221103121	2611343	2611343	322121L pt	26768	26763 pt	3222110341 3222110345	2653016 2653018	2653016 2653018
3221103YWV	2611300	2611300	322121L pt	38421 pt	38421 pt	3222110431	2653015	2653015
3221105	26114 2611432	26114	322121L111	2676800 pt	2676300 pt	3222110433 3222110435	2653021 2653022	2653021 2653022
3221105121	2611466	2611466	322121L121 322121L131	3842134 3842136	3842132 pt 3842132 pt	3222110437	2653030 2653067	2653030 2653067
3221105131	2611472	2611472 2611478	322121LYWV pt 322121LYWV pt	2676800 pt 3842100 pt	2676300 pt 3842100 pt	3222110661	2653051	2653051
3221105YWV	2611478 2611400	2611400				3222110665	2653068	2653068
3221107	26115 2611511	26115 2611511	322121N 322121N111	26769 2676911	26764 pt 2676411 pt	3222110691 3222110YWW	2653098 2653000	2653098 2653000
3221107121	2611513	2611513	322121N221 322121N223	2676925 2676927	2676425 pt 2676427 pt	3222110YWY	2653002	2653002
3221107131	2611517	2611517 2611519	322121N225	2676933	2676433 pt	3222120 3222120111	26570	26570
3221107YWV	2611519 2611500	2611500	322121N227 322121N229	2676935 2676937	2676435 pt 2676437 pt	3222120221	2657021	2657021
322110W	26110	26110	322121N331 322121N433	2676945	2676445 pt 2676447 pt	3222120331 3222120335	2657073 2657075	2657071 pt 2657071 pt
322110WYWW 322110WYWY	2611000 2611002	2611000 2611002	322121N535	2676947 2676941	2676441 pt	3222120441	2657081	2657081
3221211	26213	26213	322121N541	2676943	2676443 pt	3222120551 3222120555	2657086	2657086
3221211111 pt	2621311 pt 2621311 pt	2621315	322121N551 322121N661	2676955 2676971	2676455 pt 2676471 pt	3222120661 3222120663	2657015 2657061	2657015
3221211221 pt	2621321 pt	2621316	322121N771	2676976	2676476 pt	3222120003	2657088	2657088
3221211221 pt 3221211231 pt	2621321 pt 2621323 pt	2621329 pt 2621320	322121N773 322121N881	2676981	2676477 pt 2676481 pt	3222120667	2657090	2657090
3221211231 pt	2621323 pt 2621300	2621329 pt	322121N891	2676999 2676900	2676499 pt	3222120671 3222120673	2657082	2657095 2657099 pt
						3222120675 3222120677	2657031	2657031 2657041
3221213 3221213111	2621431	26214 2621431	322121W pt	26210 pt	26210 pt	3222120681	2657051	2657051
3221213115 3221213221	2621432	2621432	322121W pt	26760 pt	26760 pt	3222120683 3222120691	2657096 2657098	2657096 2657099 pt
3221213225	2621441	2621441	322121W pt	38420 pt	38420 pt	3222120YWW 3222120YWY	2657000	2657000
3221213231 3221213235	2621447 2621448	2621447 2621448	322121WYWW pt 322121WYWW pt	2676000 pt	2621000 pt 2676000 pt			2657002
3221213341	2621454	2621454	322121WYWW pt 322121WYWY pt	3842000 pt	3842000 pt 2621002 pt	3222130	26520 2652021	2652021
3221213345 3221213351	2621456	2621456	322121WYWY pt	2676002 pt	2676002 pt	3222130121 3222130131	2652031 2652041	
3221213461 3221213471	2621460 2621471		322121WYWY pt	3842002 pt	3842002 pt	3222130141	2652051	2652051
3221213481	2621473	2621473	3221221		26211 2621100	3222130191 pt 3222130191 pt	2652097 pt 2652097 pt	2652061 2652071
3221213491 3221213YWV	2621489 2621400	2621489 2621400				3222130191 pt 3222130YWW	2652097 pt	2652098
3221215	26215	26215	3221223 3221223111 pt	26212 2621213 pt	26212 2621215	3222130YWY	2652002	2652002
3221215111 3221215121		2621531 2621532	3221223111 pt 3221223121	2621213 pt 2621227	2621219 2621227	3222141	26551	
3221215131	2621537	2621537	3221223YWV	2621200	2621200	3222141100		
3221215141 3221215YWV	2621558 2621500	2621558 2621500	322122W	26210 pt	26210 pt	3222143 3222143111	26552 2655221	26552 2655221
	26216	26216	322122WYWW 322122WYWY	2621000 pt 2621002 pt	2621000 pt 2621002 pt	3222143221	2655231	2655231
3221217111 pt	2621615 pt	2621611			•	3222143331 3222143391	2655271 2655298	2655271 2655298
32212171121	2621615 pt 2621627 2621600	2621627	3221301	26311 2631110	2631110	3222143YWV	2655200	2655200
3221217YWV	2621600	2621600	3221301221 3221301YWV	2631188 2631100	2631188 2631100	322214W	26550	26550
3221219 3221219111	26217 2621730	26217 2621730				322214WYWW 322214WYWY	2655000 2655002	2655000 2655002
3221219121	2621750	2621750	3221303	26312 2631240	26312 2631240	3222151	26561	26561
3221219131 3221219191	2621760 2621768	2621760 2621768	3221303221 3221303331	2631261 2631210	2631261	3222151100		
3221219YWV	2621768 2621700	2621700	3221303341	2631262	2631262	3222153	26562	
	26218		3221303351 3221303361	2631263 2631288	2631263 2631288	3222153111 3222153121	2656235	2656235
322121A121	2621830 2621850	2621850	3221303YWV	2631200	2631200	3222153YWV	2656200	2656200
322121A131 322121A141 pt	2621860	2621860 2621864	3221305		26313	3222155 3222155111	26563 2656310	26563 2656310
322121A141 pt	2621870 pt	2621868	3221305100	2631300	2631300	3222155121 pt	2656397 pt	2656312
322121A151 322121AYWV	2621883 2621800		3221307	26314		3222155121 pt 3222155YWV	2656397 pt 2656300	2656319 2656300
	26219		3221307111 3221307221	2631410	2631410	322215W	26560	
322121C100	2621900	2621900	3221307231	2631430 2631446		322215WYWW	2656000	2656000
322121E	2621B	2621B	3221307451	2631443	2631443	322215WYWY		
322121E111 322121E121	2621B28	2621B22 2621B28	3221307461 pt 3221307461 pt	2631441 pt 2631441 pt	2631445	3222211 3222211111	26711 2671111	26711 2671111
322121EYWV	2621B00		3221307571 3221307575	2631450 2631481	2631450 2631481	3222211121	2671115	2671115
322121G			3221307581	2631482	2631482	3222211YWV		
322121G111 322121G221	2621A60	2621A60	3221307591 3221307YWV	2631488 2631400		3222213 pt	26715 pt	26713
322121G331 322121G341			3221309	26318	26318	3222213 pt 3222213111 pt	26715 pt 2671511 pt	26714 pt 2671300
322121G351	2621A73	2621A73	3221309100			3222213111 pt	2671511 pt	2671313
322121G361 322121G371	2621A81	2621A81	322130W	26310	26310	3222213111 pt 3222213111 pt	2671511 pt	
322121G391	2621A88 2621A00	2621A88	322130WYWW 322130WYWY	2631000	2631000	3222213221 3222213YWV	2671521	2671411
JEC 12 1 G I WV V	202 1700	202 1000		2001002	2001002		2011000	201 1700 pt

#### MANUFACTURING-INDUSTRY SERIES

122221WW         287100 µ         28710 µ         28711 µ         28711 µ <th>1997 published</th> <th>1997 collected</th> <th>1992 published</th> <th>1997 published</th> <th>1997 collected</th> <th>1992 published</th> <th>1997 published</th> <th>1997 collected</th> <th>1992 published</th>	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
32221 (WVW)         2071002 µ         2072 (1)	322221W	26710 pt		3222241YWV	2674100	2674100	3222911	26762	
Dubble         Description         Description <thdescription< th=""> <thdescription< th=""> <thd< td=""><td>3222210/10/00/</td><td>2671000 pt</td><td>2671000 pt</td><td>3222243</td><td>26742</td><td>26742</td><td>3222911111</td><td>2070214</td><td></td></thd<></thdescription<></thdescription<>	3222210/10/00/	2671000 pt	2671000 pt	3222243	26742	26742	3222911111	2070214	
122222         20721         20721         20721         207233         20724         20744         <		•	•	3222243111	2674211		3222911YWV	2676200	2676100 pt
322221 (rgl,		26721	26721	3222243221	2674212			00705	00700 =+
322222 (WWW         2672100         32228 (WWW         377200	3222221111	2672113	2672113		2674200	2674200			26763 pt
approx         prozz         prozz <t< td=""><td>3222221121</td><td>2672100</td><td>2672100</td><td>322224W</td><td>26740</td><td></td><td>3222913 pt</td><td>38421 pt</td><td></td></t<>	3222221121	2672100	2672100	322224W	26740		3222913 pt	38421 pt	
322223111         277212         327212         32225 pt				322224WYWW	2674000		3222913111	2676500 pt	2676300 pt
322223111         267230         327230         3222201         34772         327231         327230         342100 pt         327330 pt           322223111         267230         34720         322220 tt         34772         347744         34772         34772 <t< td=""><td>3222223</td><td>26722</td><td></td><td>32222400 Y VV Y</td><td>2674002</td><td>2674002</td><td>3222913121</td><td>3842133</td><td>3842132 pt</td></t<>	3222223	26722		32222400 Y VV Y	2674002	2674002	3222913121	3842133	3842132 pt
3222229/WW         2872200         2872200         34772         34772         34772         3222215         3222215         32766         25734         32222011         37766         25734         32222011         37766         25734         32222011         37766         25734         32222011         37766         2576677         25	3222223111	2672230	2672230	3222250 pt	34970 pt	34970 pt	3222913131	2676500 nt	2676300 pt
B222225         B4721         B222250101         B47210         B47210         B222211         B47210         B222211         B47210         B222211         B47210         B222211         B47210         B27211         B47210         B47210         B47210         B47210         B47210         B47210         B47210         B47211         B47711         B47711 <th< td=""><td>3222223YWV</td><td>2672200</td><td>2672200</td><td>3222250 pt</td><td>3/072</td><td>3/072</td><td>3222913YWV pt</td><td>3842100 pt</td><td>3842100 pt</td></th<>	3222223YWV	2672200	2672200	3222250 pt	3/072	3/072	3222913YWV pt	3842100 pt	3842100 pt
3222226111         2872313         2872313         2872313         22220006         947722         3477222         32221511         2876827         2876828         2876427         2876838         2876445         p           2222228371         2872881         22222000 PL         287700 PL         322216331         2876847				3222250101	3497210			•	•
32222252:1         2872343         322225011         3477235         3477235         32229152:2         3276425 pi           32222531         2877635         32225011         3477200         32229152:2         3877635         3227741           32222531         2877635         32225011         347700 pi         32229152:2         2877645         2877645         2877645         2877645         2877645         2877645         2877645         2877645         322221531         2877645         2877645         322221531         2877645         2877645         322221531         2877645         2877645         322221551         2877645         2877645         322221551         2877645         2877645         322221551         2877645         2877645         322221551         2877645         2877645         322221551         2877647         2877647         322215551         2877647         2877647         322215551         2877647         2877647         32221551         2877647	3222223	2672313	2672313	3222250206	3497222	3497222	3222915	2676611	2676411 nt
322225531         2877333         2877333         3222520000         3487000         322291523         3227627         287627         287627         287627         287627         287627         287627         287627         287627         287627         287627         2877239         322225010000         3487000         322291527         287633         222225010         3487000         322291527         287637         2876437         2876437         2876445         2876445         2876445         2876445         2877444         3487000         3487000         322291533         322291633         2877445         2876444         2876444         2876445         2877444         3487000         3222915631         2877538         3222200         10.0000         2875300         28275000         28275000         28275000         28275000         28275000         2822916561         28764747         2876447         322221611         2876417 <td< td=""><td>3222225221</td><td>2672343</td><td></td><td>3222250311</td><td>3497225</td><td></td><td>3222915221</td><td>2676625</td><td>2676425 pt</td></td<>	3222225221	2672343		3222250311	3497225		3222915221	2676625	2676425 pt
3222225351         2677333         32222500000 pt         3222450000 pt         3222450000 pt         3222450000 pt           322225351         2677335         2677359 pt         3222250000 pt         3222450000 pt         322245000 pt         3222450000 pt         3222450000 pt         32	3222225331	2672333	2672333	3222250416	3497228	3497228	3222915223	2676627	2676427 pt
322225361         2672356         32222507W         3497002 pt         322251522         2576637         2276437 pt           322225551         2672365         2677365         32222507W         3497002 pt         322251531         2576437 pt         322215131         2576437 pt         322215131         2576447 pt         322215131         25751330 pt         322215131         2575151         2576651         2576647 pt         322215131         322221111         32251512         327676	3222225341	2672345		3222230421	3497241 3497000 pt	3497241 3497000 pt	3222915225		
3222225371         2672361         2672361         2676445         2676445         2676445         2676445         2676445         2676445         2676447         2676477         2676447         2676407         222221111	3222225351	2672353	2672353	3222250YWW pt	3497200		3222915227	2676635	2676435 pt
322226476         2677381         2677381         2672647         26750 pl         222261433         267644         267647         267644         267647         267647	3222225301	2672361	2672361	3222250YWY	3497002 pt	3497002 pt	3222915331	2676645	2676445 pt
322225681         2672365         2672365         2672365         267641         267641         267641         267641         267641         27763         322215551         267641         267641         27763         322215551         267641         27764         32221551         267641         27763         32221551         267641         27764         32221551         267641         27764         32221551         267641         27764         32221551         267641         277641         32221551         267641         277641         32221551         267641         277641         32221551         267641         277641         32221511         267511         32221551         267661         2676691         267691         267691         22276600         267690 pt         2222131121         2675191 pt         222211121         2675191 pt         222211121         22211121         2675191 pt         222211111         22211121         2675191 pt         2222111111         222111111         222111111         222111111         222111111         222111111         222111111         222111111         2221111111         2221111111         267	3222225475	2672381	2672381	3222260 pt	26750 pt	26750 pt	3222915433	2676647	2676447 pt
3222225691         2672398         2672398         322226110         277500         277511         22221171         277617         276677         2767677         2767677         2767677         2767677         2767677         2767677         2767677         2767677         2767677         2767677         2767677         2767677         2767677         2767679         2776769         2777640         22221111         277711         2767670         2767600         2776700         22221111         277711         2767600         2767600         2767600         2767600         22221111         2767711         2767600         2767600         22221111         2777711         2767600         2767600         22221111         2777911         2222211111         2777711         2767600         2777701         2222211111         2777911	3222225581	2672385	2672385		·	•	3222915535	2676641	2676441 pt
3222226 WW         2672300         322226 WW         267600 pt         267600 pt         322226 WW         267607         267640         267713         267697         26760 pt         26764         222229111	3222225585	2672375	2672375	3222260 pt	26753		3222915541	2676643	2676443 pt
1222226         26791         267912         267911         322221111         267911         32221111         267911         32221111         267911         32221111         267911         32221111         267911         32221111         267911         32221111         322211111         267911         32221111         32221111         267911         32221111         32221111         267911         32221111         32221111         267911         32221111         32221111         267911         32221111         32221111         267911         322211111         3222211111         327711         327711 <td>3222225591</td> <td>2672390</td> <td>2672300</td> <td>3222260100</td> <td>2675000</td> <td>2675000 nt</td> <td>3222915551</td> <td>2676655</td> <td>2676455 pt</td>	3222225591	2672390	2672300	3222260100	2675000	2675000 nt	3222915551	2676655	2676455 pt
3222226111         2677122         3222311         26751         26751         3222215121         2276173         2676677         2676477         2676477         pt           3222226121         pt         2677126         322231112         2675110         3222215181         22761126         2676490         pt           3222226141         2677136         2676134         322231112         2675111         322231111         322231111         2675110         322231111         322231111         2675110         322231111         2675110         322231111         2675130         3222311111         2675110         3222311111         2675130         3222311111         2675111         3222311111         2675110         3222311111         2675111         3222311111         2675110         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         2675111         3222311111         32751111         32751111         3222311111				3222260YWY	2675002 pt	2675002 pt	3222915661	2676671	2676471 pt
3222226121 pt         2677126         3222311111         2675110         322216131         2676681         2676481 pt           322222612 pt         2677128         322231121         2675112         2675113         322291181         2676600         2676409 pt           3222228131         2675144         2675144         32231121         2675112         2675130         32229110 pt         267600         2676400 pt           32222287WV         2679100         3222311111         2675101         2229110 pt         267600 pt         267600 pt           3222227111         267922         26792         3222311111         2677311         32229110 pt         287600 pt         287600 pt           3222227111         267920         267920         3222313111         267311         2679301         32229110 pt         287600 pt         287600 pt           322222711         267920         2679200         3222313111         2673301         2229111         267640 pt         267940 pt         26790 pt         26790 pt         26790 pt         26790 pt         322291100         267940 pt         26790 pt         322291100         267940 pt         322291 pt         267955         267951         3222291 pt         267950 pt         267950 pt         267950 pt         267950 p	3222226	26791	26791		•	•	3222915771	2676676	2676476 pt
3222226121 pt         2677125 pt         2677118         322221121         2675112         2675111         322291591         2676409 pt           3222226141         2677136         32221131         2675112         2675120         322291591         322291591         322291591         322291591         322291591         322291591         322291591         322291591         322291591         322291591         322291591         322291591         322291591         322291591         322291111         3675110         322291111         3675110         322291111         3675111         322291111         3675910         322291111         322391111         322391111         3675931         322291111         322391111         3675930         322291111         322391111         3675930         322291111         322391111         3675930         322291111         322391111         3675930         322291111         322391111         3675930         322291111         322391111         3275910         322291111         322391111         3275910         322291111         322391111         3275910         322291111         32759100         322291111         32759100         322291111         32759100         322291111         32759100         322291111         32759100         3222991111         32759100         3275920	3222220111 3222226121 nt	2079122 2679125 pt		3222311	20/01	20751	3222915773	2070077	2676481 pt
3222226131       2679134       2679134       322231131       2675112       32229157WV       267600       267400 pt         3222226191       2679136       3222311391 pt       2675191 pt       2675100       322291W pt       28760 pt       26760 pt         3222227       26792       3222311391 pt       2675191 pt       2675100       322291W pt       38420 pt       28760 pt         322227       26792       322231111       2673111       2675100       322291WVW       287600 pt       282691WVW pt       287600 pt       282691WVW pt       287600 pt       282691WVW pt       287600 pt       282691WVW pt       287600 pt       2827600 pt       322291WVW pt       287600 pt       2827600 pt       322291WVW pt       287600 pt       322291WWW pt       2876740       322291WWW pt       287600 pt       322291WWW pt       287600 pt       322291WWW pt       287650 pt <td>3222226121 pt</td> <td>2679125 pt</td> <td>2679128</td> <td>3222311121</td> <td>2675111</td> <td></td> <td></td> <td></td> <td></td>	3222226121 pt	2679125 pt	2679128	3222311121	2675111				
3222226191       2679141       322211391 pt       2675100       32221111/WW       2675100       32221W pt       34220 pt       34220 pt         3222227VW       26792       26792       322231111/WW       2679310       322231W pt       34220 pt       34220 pt         3222227V11       2679282       2679281       32223111/WW       2679311       3267931       32229W/WW       342200 pt       342200 pt         3222227V11       2679296       2679291       322231W/W       2679300       32229W/WW       342200 pt       342200 pt         3222227WV       267920       322231W/W       2679300       32229W/WW       3442000 pt       3442000 pt         322222111       267724       26774       322231W/W       26750 pt       32229H/W       267940       267940         3222229111       2672455       267745       322231W/WW       267500 pt       267900 pt       322299 pt       26752       26752         322229111       2672456       322231W/WW       267500 pt       267900 pt       322299 pt       322299 pt       39990 pt       322229H       322299 pt       39990 pt       322229H       322299 pt       39990 pt       322229H/W       322299 pt       329755       267552       267552       267551       2	3222226131	2679134	2679134	3222311231	2675112	2675112	3222915YWV		
3222220         2679100         3223117WW         2675100         32221WWW         38420 pt         38420 pt           3222227         26792         3222311WW         2675100         322231WWW         2675000 pt         2676000 pt           322227111         2679262         3222313111         2679311         322731WW         322231WWW         38420 pt         367000 pt           322227112         2679262         3222313111         2679310         322231WWW         322231WWW         38420 pt         367000 pt           322227112         2679266         267240         322231WW         2673300         322291WWW         3842002 pt         3842002 pt           3222291         26724         26724         322231WW         267500 pt         322291WWW         2679400         2679400           322229111         2672455         322231WWW         267500 pt         26790 pt         3222993 pt         26752         26752           3222229114         2672455         322231WWW         267500 pt         26790 pt         3222993 pt         3222993 pt         3222993 pt         3222993 pt         329999 pt         33222991 pt         3267521         2679513           3222229WW         2672400         32223000         267700 pt         267900 pt <td>3222226141</td> <td>2679136</td> <td>2679136</td> <td>3222311391 pt</td> <td>2675191 pt</td> <td>2675120</td> <td>322291W/nt</td> <td>26760 pt</td> <td>26760 pt</td>	3222226141	2679136	2679136	3222311391 pt	2675191 pt	2675120	322291W/nt	26760 pt	26760 pt
3222227	3222226191	2679141	2679141	3222311391 pt	2675191 pt	2675130			
3222227111       2679282       3222313111       2679311       322791111       322291WYWV pt.       3842000 pt.       3842000 pt.       3842000 pt.       3842002 pt. <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>322291W pt</td><td>38420 pt</td><td>38420 pt</td></td<>							322291W pt	38420 pt	38420 pt
3222227121       2670201       2270201       3222313191       2679331       2679331       322291WVW pt       2676002 pt       2867020 pt         3222227WV       2679200       2679200       222231W pt       267900       322231W pt       267900       322291WVW pt       2679400       322291WVW pt       2679400       322291W pt       26790 pt       322291WVW pt       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679400       2679500 pt       322291WW pt       267944       2679400       222993 pt       26795       26795       26795       26795       26795       26795       26795       267951       322291WW pt       2679400 pt       3222931WW pt       2679400 pt       3222930 pt       2679521       2679551       2679521       2679521 <td>3222227</td> <td>26792</td> <td>26792</td> <td>3222313</td> <td>26793</td> <td></td> <td>322291WYWW pl</td> <td>2676000 pt</td> <td>2676000 pt</td>	3222227	26792	26792	3222313	26793		322291WYWW pl	2676000 pt	2676000 pt
3222227161         2679296         3222313YWV         2679300         322291WVW pt         342002 pt         3424002 pt           3222227WW         2679206         322231W pt         2679300         2679300         322291WW pt         2679400           3222229111         26724         26724         2672453         22221W pt         26790 pt         26790 pt         32229110         26752         26752           3222229131         2672455         2672455         322231WWW pt         267500 pt         267900 pt         3222993 pt         26755         26752           3222229131         2672455         2672456         322231WWW pt         267500 pt         267900 pt         3222993 pt         26755         2679521           3222229151         2672469         222300121         267700         222993 pt         32999 pt         39999 pt         39999 pt           322222W pt         26720         26720         3222300121         2677010         222993331 pt         2679541         2679541         2679541         2679651         2679651         2679651         2679651         2679651         2679541         2679541         2679541         2679541         2679541         2679541         2679550 pt         2679550 pt         267550 pt         267550 pt </td <td>3222227111</td> <td>2679282</td> <td>2679282</td> <td>3222313111</td> <td>2679311</td> <td>2679311</td> <td></td> <td></td> <td></td>	3222227111	2679282	2679282	3222313111	2679311	2679311			
3222227WW       2679200       2679200       2679200       2679200       26794       26794       26794         3222229111       26774	3222227191	2679296	2679296	3222313YWV	2679300	2679300	322291WYWY pt	3842002 pt	
3222229.       26724.       26724.5       2672445       2672445       2672445       2672445       2672445       2672455       2672455       2672455       2672455       2672455       2672455       2672455       2672455       2672455       2672455       2672455       2672455       2672455       2672455       2672456       222231WYWy pt.       267500 pt.       267900 pt.       267900 pt.       267900 pt.       3222993 pt.       26795       26795       26795       267955       267955       267955       2679551       2675521       2675531       2679531       2679531       2679531       2679531       2679544       2679544       2679544       2679544       2679544       2679541       2679531       2679531       2679531       2679544	3222227YWV	2679200	2679200				3222991	26794	26794
3222229111       2672445       3222311W pt	322229	26724	26724	322231W pt	26750 pt	26750 pt	3222991100		
322222911       2672453       322231WYWy pt       267500 pt       3222391WW       267500 pt         3222229141       2672455       2672455       322231WYWy pt       267900 pt       3222993 pt       3999 pt       3999 pt         3222229WW       2672469       322231WYWY pt       267900 pt       3222993 pt       3999 pt       3999 pt       3999 pt         322222W pt       26720       222321WYWY pt       267900 pt       3222993 pt       3222993 pt       2679551       2679521       2679544       2679544       2679544       2679544       2679544       2679544       2679544       2679544       2679544       2679544       2679544       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679551       2679550       2679551       2679551	3222229111	2672445	2672445	322231W pt	26790 pt	26790 pt	3222993 nt	26752	26752
3222229141       2672456       2672456       322231W/WY pt       2675002 pt       32222993 pt       3999 pt       3999 pt       3999 pt         3222229WV       2672400       2672400       322231W/WY pt       2679002 pt       2679002 pt       322299311       2679521       2679521         322222W pt       267200       267200       322230111       267701       3222993211       2679541       2679541       2679541         322222W pt       26790 pt       36700 pt       322230121       2677021       3222993351 pt       2679544       2679548         322222W Wy pt       267900 pt       322230141       2677021       3222993351 pt       2679550 pt       2679551         322222W Wy pt       267900 pt       3222320141       2677000       22677000       3222993351 pt       2679550 pt       2679555         322222W Wy pt       267900 pt       322230141       2677000       3222993471 pt       2675200 pt       2675201         3222231100       2673100       267310       322233112       2678113       2267851       2675207       322233112       2678113       32229351 pt       2675200 pt       2675207         322223110       26733 pt       322233112       2678113       22678510       3222993471 pt       2675	3222229121	2672453	2672453	322231WYWW pt	2675000 pt	2675000 pt			
3222229151       2672469       2672469       322231WYW pt       2679002 pt       32229 gt	3222229131	2672455		322231WYWW pt	2679000 pt	2679000 pt	3222993 pt	26795	26795
3222229YWV       2672400       2672400       2672400       2672400       2672400       2679521       2679521       2679521         322222W pt       26720       26720       3222320111       267701       267701       3222993211       2679541       2679541         322222W pt       26790 pt       3222320111       267701       262700       322293351 pt       2679550 pt       2679550 pt       2679551         322222WWW pt       2679000 pt       3222320141       2677002       2677000       322293351 pt       2679550 pt       2679551         322222WWW pt       2679000 pt       3222320141       2677000       2677000       322293351 pt       2679561       2679561         322222WWW pt       2679000 pt       32223201WW       2677000       26279000       3222301WW       2677000       322293341 pt       2679561       2679561         322222WWW pt       2673000 pt       2677002       2677002       322293471 pt       2675200 pt       2675201         322223100       267310       322233111       267811       322293471 pt       2675200 pt       2675207         32223110       26733 pt       26733 pt       3222331131       2678113       32229393471 pt       2675500 pt       2675207         3	3222229141	2672450		322231WYWY pt	2679002 pt	2675002 pt	3222993 pt	39999 pt	39999 pt
322222W pt       26720       3222320       26770       26770       32229321       2679541       2679541         322222W pt       26790 pt       3222320111       2677010       322299321       2679541       2679541         322222W pt       26790 pt       3222320111       2677010       322299331 pt       2679544       2679544         32222W Wp t       267900 pt       3222320111       2677021       3222993351 pt       2679550 pt       2679555         32222W Wp t       267900 pt       3222320141       2677000       222993351 pt       2679550 pt       2679555         32222W Wp t       267900 pt       3222300 pt       2677000       222993351 pt       2679561       2679561         322222W WP t       2679002 pt       3222300 WW       2677000       222993471 pt       2675200 pt       2675201         3222231       26731       322233112       267811       2678111       222993471 pt       2675200 pt       2675271         3222231       2673100       322233112       2678111       2678111       3222993471 pt       2675200 pt       2675271         322223112       2673310       2673310       2673100       322233112       2678113       3222993351 pt       2675500 pt       2675500	3222229YWV	2672400	2672400		•	•	3222993111	2679521	2679521
322222W pt				3222320	26770	26770	3222993221	2679531	2679531
322222 WYWW pt       267900 pt				3222320111	2677010	2677010	3222993231		
322222WYWW pt       2679000 pt	322222W pt	26790 pt	26790 pt	3222320121	2677022	2677022	3222993351 pt		
322222WYWY pt       2673000 pt	322222VVYVVVV pt	2672000	2672000 pt	3222320141	2677040	2677040	3222993351 pt	2679550 pt	2679555
322222WYWY pt       2679002 pt	322222WYWY pt	2672002	2672002	3222320YWW	2677000		3222993361	2679561	2679561
3222231       26731       26731       26731       3222331       26781       26781       322230       267300       2675201       2675271         3222231       2673100       2673100       322233111       2678113       2678113       2678113       3222993471 pt       2675200 pt       2675297         32222331       26733 pt       26733 pt       3222331121       2678113       2678113       3222993591 pt       2675297         3222233121       2673316 pt       322233112       2678100       3222993591 pt       3999996 pt       3999991 3 pt         3222233131 pt       2673316 pt       2673311 pt       3222333112       26782       2678212       2678100       3222993591 pt       2679500       2679500         3222233131 pt       2673300 pt       322233311 pt       2678212       2678213       32229937WV pt       2679000 pt       3999900 pt         322223312 pt       267300 pt       322233321 pt       267825 pt       2678213       32229937WV pt       26750 pt       26750 pt       26750 pt         322223WWWW       2673000 pt       2673000 pt       322233321 pt       2678245       2678213       322299W pt       267500 pt       26750 pt       26750 pt       26750 pt       26750 pt       26750 pt       26750 pt<	322222WYWY pt	2679002 pt	2679002 pt	3222320YWY	26//002	2677002	32229934/1 pt		
3222231100       2673100       3222331111       2678111       2678111       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       2678113       3222331121       267310       3222331121       267310       3222331121       267310       3222331121       2678113       3222331121       2678113       3222331121       3222331121       2678100       3222331121       3222331121       2678100       3222331121       32678100       3222331121       3222333111       2678212       2678212       3222993591 pt       3999996 pt       3999990 pt       3999900 pt       3999900 pt       3222331121       2678212       2678212       2678212       3222993YWV pt       267500 pt       26750		•		3222331	26781	26781	3222993471 pt	2675200 pt	2675271
3222233       26733 pt       26733 pt       3222331121       2678121       2678121       322233121       2679598       2679598         3222233111       2673312       2673311 pt       3222331121       2678121       322293591 pt       3999996 pt       3999999 pt         32222331121       2673312       2673312       267311 pt       3222331121       2678120       322293591 pt       3999999 pt       399999 pt         3222233131 pt       2673315 pt       2673314 pt       3222333221 pt       2678212       2678212       322293591 pt       3999990 pt       3999900 pt         3222233131 pt       26730 pt       267300 pt       3222333221 pt       2678225 pt       2678213       3222993YWV pt       26750 pt       26750 pt         322223WVW       267300 pt       267300 pt       3222333311       267825 pt       2678245       3222990 pt       26790 pt       26790 pt         322223WVWV       267300 pt       3222333411       2678245       2678245       3222990 pt       39990 pt       39990 pt         322223WVWV       267300 pt       3222333411       2678245       2678245       322290W pt       26790 pt       26790 pt         322223WVWV       267300 pt       3222333411       2678245       322299W pt       39990 p	3222231100	2673100		3222331111	2678111	2678111		•	
3222233111       267336       2673311 pt       32223311WV       2678100       2678100       322293591 pt       399999 pt       399999 pt         3222233121       2673312       32223311 pt       267312       32223311 pt       32223311 pt       399999 pt       399999 pt         3222233131 pt       2673315 pt       2673314 pt       322233311 pt       2678212       322293591 pt       399990 pt       3999990 pt         3222233131 pt       2673316 pt       322233311 pt       2678212       2678212       322293591 pt       399990 pt       2679500       2679500       2679500         32222331WV       2673300 pt       3222333221 pt       267825 pt       2678213       322299W pt       26750 pt       26750 pt         322223WVWW       2673000 pt       3222333311       267825 pt       2678251       322299W pt       26750 pt       26790 pt         322223WVWW       2673000 pt       3222333411       2678255       2678251       32229W pt       399990 pt       399990 pt         32223WVWW       2673000 pt       3222333411       2678256       32229W pt       39990 pt       3990 pt       39990 pt       3222333311       26							3222993591 pt	2679598	2679598
3222233121       2673312       2673312       3999999 pt         3222233131 pt       2673315 pt       2673312 pt       3222333         3222233131 pt       2673315 pt       2673314 pt       322233321 pt       2678212         3222233131 pt       2673300 pt       2673300 pt       322233321 pt       2678212       322293YWV pt       26750 pt       3999900 pt         3222233YWV       267300 pt       322233321 pt       2678225 pt       2678213       3222993YWV pt       26750 pt       3999900 pt         322223WVW       267300 pt       3222333321 pt       2678225 pt       2678213       322299W pt       26750 pt       26750 pt         322223WVW       267300 pt       322233331 n       2678225 pt       2678255       32229W pt       26790 pt       26790 pt         322223WYWY       2673002 pt       322233351 n       2678251 n       2678251       32229W pt       39990 pt       39990 pt         322223WYWY       2673002 pt       322233351 n       2678258 n       2678258       32229W pt       267500 pt       267500 pt         3222234111       26741       322233391 n       2678200       2678200       32229WVWW pt       2675000 pt       2675000 pt         3222241111       2674111       3222333WW       <	3222233	26733 pt		3222331131	2678121		3222993591 pt	3999996 pt	3999913 pt
3222233131 pt	3222233121	2673312	2673312				3222993591 pt	3999996 pt	3999999 pt
322223337WV       267330 pt       267330 pt       3222333221 pt       2678225 pt       2678213       32229W pt       26750 pt       26750 pt         322223WVWV       26730 pt       3222333221 pt       2678225 pt       2678221       32229W pt       26750 pt       26750 pt       26750 pt         322223WVWV       2673000 pt       2673000 pt       322233321 pt       2678255 pt       2678255       32229W pt       26790 pt       26790 pt         322223WVWV       2673000 pt       2673000 pt       322233341       2678245       2678245       32229W pt       26790 pt       3990 pt         322223WVWY       2673002 pt       3222333691       2678298       2678298       322299W vW pt       2675000 pt       2675000 pt         322223330WV       2674111       32223330WV       2678200       2678200       2678200       2678200 pt       2675000 pt       2675000 pt       267900 pt	3222233131 pt	2673315 pt	2673311 pt	3222333	26782	26782	3222993YWV pt	2679500	2679500
322223WYWW       26730 pt       322233321 pt       2678225 pt       2678221       322239W pt       26730 pt       26730 pt         322223WYWW       267300 pt       322233331       2678245       2678245       2678245       322239W pt       26790 pt       3222333641       2678245       3222333641       2678245       3222333641       3222333641       3222333641       3222333641       3222333641       3222333641       3222333641       3222333641       3222333641       3222333641       322239W pt       3990 pt       3990 pt       3990 pt       3990 pt       3222333691       3222333691       322233374V       2678298       322239WYWW pt       2675000 pt       322233374V       2678200       322239WYWW pt       2675000 pt       322299WYWW pt       2675000 pt       32675000 pt       322299WYWW pt       2679000 pt       3999000 pt       322239WYWW pt       3999000 pt       322299WYWW pt       3999000 pt       322299WYWW pt       3999000 pt       322299WYWW pt       3999000 pt       322299WYWW pt       3999000 pt       322239WYWW pt       3999000 pt       322239WYWW pt       3999000 pt       322299WYWW pt       3999000 pt       322299WYWW pt       3999000 pt       322299WYWW pt       3999000 pt       322299WYWW pt       32675002 pt       322299WYWW pt       32675002 pt       322299WYWW pt       322299WYWY	3222233131 pt	2673315 pt	2673314 pt	3222333111	2678212	2678212		2999900 bt	Saaaann br
322223W	3222233YWV	2673300 pt	2673300 pt	3222333221 pt	2678225 pt	2678221	322299W pt	26750 pt	26750 pt
322223WYWW         2673000 pt         2673000 pt         322233341         2678245         32229WYWY         3990 pt         3990 pt           322223WYWY         2673002 pt         322233351         2678245         32229WYWW pt         3990 pt         3990 pt           3222333651         2678245         2678245         322299WYWW pt         2675000 pt         3990 pt           3222333691         2678298         2678298         322299WYWW pt         2675000 pt         2675000 pt           32222333691         2678290         2678200         2678200         322299WYWW pt         2679000 pt           3222241111         2674111         3222333WV         267800         2678200         322299WYWW pt         2679000 pt           322224121         2674112         22233W         267800         267800         322299WYWW pt         399000 pt           322224121         2674113         322233WYW         267800         2678000         322299WYWW pt         2675002 pt           322224121         2674113         322233WYW         2678000         2678000         322299WYWY pt         2675002 pt         2675002 pt           322224121         2674113         322233WYW         2678000         322299WYWY pt         2675002 pt         2675002 pt         <	322223W	26730 pt	26730 pt	3222333331	2678235	2678235	322299W pt	26790 pt	26790 pt
322223WYWY       2673002 pt       322233351       2678251       322239WV pt       39990 pt       3990 pt         3222241       26741       26741       3222333691       2678298       2678298       322299WV WV pt       2675000 pt       2675000 pt         3222241       267411       2674111       2674111       2674111       2674111       267800 pt       322239WV WV pt       2679000 pt       2679000 pt         3222241221       2674112       222233WV       26780       267800       322299WYWV pt       3999000 pt       3999000 pt         3222241231       2674113       322233WVW       267800       2678000       322299WYWV pt       2675000 pt       3999000 pt         3222241231       2674113       322233WYWW       2678000       2678000       322299WYWV pt       2675000 pt       3675000 pt         3222241231       2674113       322233WYWW       2678000       322299WYWY pt       2675000 pt       2675000 pt	322223WYWW	2673000 pt	2673000 pt	3222333441	2678245	2678245			
3222241	322223WYWY	2673002 pt	2673002 pt	3222333551	2678251	2678251	322299W pt	39990 pt	39990 pt
3222241111         2674111         2674111         3999000 pt         3999000 pt           3222241231         2674112         322233W         26780         32229WYWV pt         2675002 pt         2675002 pt           3222241231         2674113         322233W         2678000         32229WYWY pt         2675002 pt         2675002 pt	3222241	26741	26741	3222333691	20/0298	20/8298	322299WYWW pt	2679000 pt	2679000 pt
3222241221         2674112         2674112         322233W         26780         322299WYW pt         2675002 pt         2675002 pt           3222241231         2674113         322233WYWW         2678000         322299WYW pt         2675002 pt         2679002 pt	3222241111	2674111	2674111			2010200	322299WYWW pt	3999000 pt	3999000 pt
3222241231         2674113         2674113         322233WYWW         2678000         32229WYWY pt         2679002 pt         2679002 pt           3222241341         2674115         322233WYWY         2678002         2678002         32229WYWY pt         3999002 pt	3222241221	2674112	2674112	322233W	26780		322299WYWY pt	2675002 pt	2675002 pt
3222241341 2014115	3222241231	2674113	2674113	322233WYWW	2678000	2678000	322299WYWY pt	2679002 pt	2679002 pt
	3222241341	20/4115	20/4115	322233001001	20/8002	20/0002	322299001001 pt	2999005 bt	saaanns br