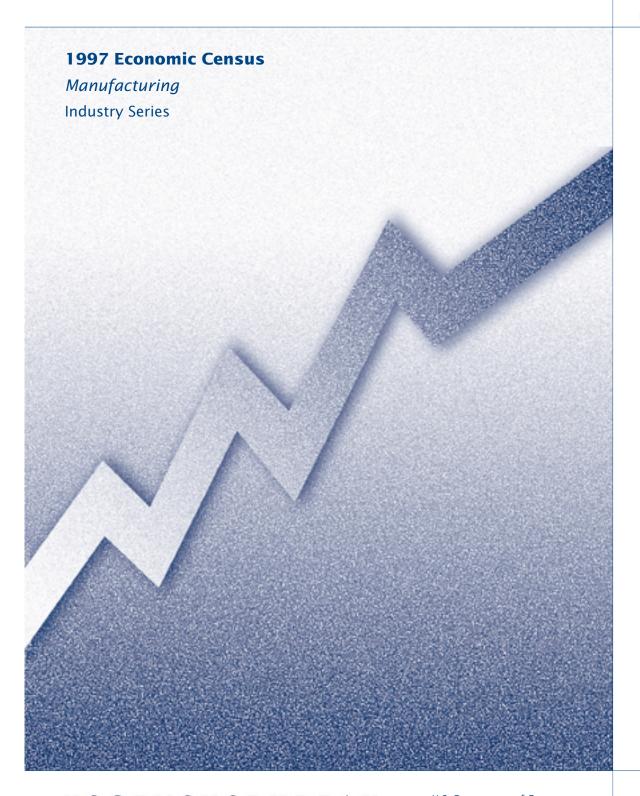
Motorcycle, Bicycle, and Parts Manufacturing

1997

Issued June 1999

EC97M-3369A





Helping You Make Informed Decisions

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



ACKNOWLEDGMENTS

The staff of the Manufacturing and Construction Division prepared this report. Judy M. Dodds, Assistant Chief for Census and Related Programs, was responsible for the overall planning, management, and coordination. Kenneth Hansen, Chief, Manufactured Durables Branch, assisted by Mike Brown, Renee Coley, Raphael Corrado, and Milbren Thomas, Section Chiefs, Michael Zampogna, Former Chief, Manufactured Nondurables Branch, assisted by Allen Foreman, Robert Miller, Robert Reinard, and Nat Shelton, Section Chiefs, and Tom Lee, Robert Rosati, and Tom Flood, Special Assistants, performed the planning and implementation. Stephanie Angel, Brian Appert, Stanis Batton, Carol Beasley, Chris Blackburn, Larry Blumberg, Vera Harris-Bourne, Brenda Campbell, Suzanne Conard, Vance Davis, Mary Ellickson, Matt Gaines, Merry Glascoe, Kay Hanks, Karen Harshbarger, Nancy Higgins, James Hinckley, Walter Hunter, Jim Jamski, Evelyn Jordan, Robert Lee, John Linehan, Paul Marck, Keith McKenzie, Philippe Morris, Joanna Nguyen, Betty Pannell, Joyce Pomeroy, Venita Powell, Cynthia Ramsey, Chris Savage, Aronda Stovall, Sue Sundermann, Thanos Theodoropoulos, Dora Thomas, Ann Truffa, Ronanne Vinson, Denneth Wallace, Tempie Whittington, Lissene Witt, and Mike Yamaner provided primary staff assistance.

Brian Greenberg, Assistant Chief for Research and Methodology Programs, assisted by Stacey Cole, Chief, Manufacturing Programs Methodology Branch, and Robert Struble, Section Chief, provided the mathematical and statistical techniques as well as the coverage operations. Jeffrey Dalzell and Cathy Ritenour provided primary staff assistance.

Mendel D. Gayle, Chief, Forms, Publications, and Customer Services Branch, assisted by **Julius Smith Jr.** and **Baruti Taylor,** Section Chiefs, performed overall coordination of the publication process.

Kim Credito, Patrick Duck, Chip Murph, Wanda Sledd, and Veronica White provided primary staff assistance.

The Economic Planning and Coordination Division, Lawrence A. Blum, Assistant Chief for Collection Activities and Shirin A. Ahmed, Assistant Chief for Post-Collection Processing, assisted by Dennis Shoemaker, Chief, Post-Collection Census Processing Branch, Brandy Yarbrough, Section Chief, Sheila Proudfoot, Richard Williamson, Andrew W. Hait, and Jennifer E. Lins, was responsible for developing the systems and procedures for data collection, editing, review, correction and dissemination

The staff of the National Processing Center, **Judith N. Petty,** Chief, performed mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review.

The Geography Division staff developed geographic coding procedures and associated computer programs.

The Economic Statistical Methods and Programming Division, Charles P. Pautler Jr., Chief, developed and coordinated the computer processing systems. Martin S. Harahush, Assistant Chief for Quinquennial Programs, assisted by Barbara Lambert and Christina Arledge were responsible for design and implementation of the computer systems. Gary T. Sheridan, Chief, Manufacturing and Construction Branch, Lori A. Guido and Roy A. Smith, Section Chiefs, supervised the preparation of the computer programs.

Computer Services Division, **Debra Williams**, Chief, performed the computer processing.

The staff of the Administrative and Customer Services Division, **Walter C. Odom,** Chief, performed planning, design, composition, editorial review, and printing planning and procurement for publications, Internet products, and report forms. **Cynthia G. Brooks** provided publication coordination and editing.

Motorcycle, Bicycle, and Parts Manufacturing

1997

Issued June 1999

EC97M-3369A

1997 Economic Census

Manufacturing
Industry Series





U.S. Department of Commerce
William M. Daley,
Secretary
Robert L. Mallett,
Deputy Secretary

Economics and Statistics Administration Robert J. Shapiro, Under Secretary for Economic Affairs

U.S. CENSUS BUREAU Kenneth Prewitt,

Director



Economics and Statistics Administration Robert J. Shapiro, Under Secretary for Economic Affairs



U.S. CENSUS BUREAU
Kenneth Prewitt,
Director
William G. Barron,
Deputy Director
William G. Bostic Jr.,
Chief, Manufacturing
and Construction Division

CONTENTS

	duction to the Economic Census	1 5
TABI	LES	
1. 2. 3. 4. 5. 6a. 6b. 7.	Industry Statistics on NAICS Basis With Distribution Among 1987 SIC-Based Industries: 1997	7 7 8 9 10 10
APP	ENDIXES	
A. B. C. D. E. F.	Explanation of Terms NAICS Codes, Titles, and Descriptions Coverage and Methodology Geographic Notes Metropolitan Areas Footnotes for Products Statistics and Materials Consumed by Kind Comparability of Product Classes and Product Codes: 1997 to 1992	A-1 B-1 C-1 G-1
	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**

Health Care and Social Assistance 62

Arts. Entertainment, and Recreation 71

72 Accommodation and Foodservices

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

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 Service Sector Statistics Division

301-457-4673 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 long-term 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/econquide. 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:

- Α 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 rev-
- Ν Not available or not comparable.
- Revenue not collected at this level of detail for Q multiestablishment firms.
- S Withheld because estimates did not meet publication standards.

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

1997 ECONOMIC CENSUS INTRODUCTION 3

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

NAICS	cs		All employees			Pr	Production workers			01		Total capital	
or SIC code	Industry	Com-	estab- lish- ments ²	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)	expendi- tures (\$1,000)	
		pariles	mems	Number	(ψ1,000)	Nullibei	(1,000)	(φ1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(Φ1,000)	
336991 375100 394410	Motorcycle, bicycle, & parts mfg Motorcycles, bicycles, & parts . Games, toys, & children's	371 N	387 383	17 074 D	567 520 D	12 734 D	24 266 D	364 795 D	1 617 497 D	1 797 470 D	3 411 677 D	103 730	
	vehicles (pt)	N	4	D	D	D	D	D	D	D	D	D	

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control. ²Includes 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]

paties that are dississated in with less than 150 employees are not shown. For explanation of terms, see appendixes. For meaning of abstrations and symbols, see introductory texts												
		All establishments		All employees		Production workers						
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)		Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
336991, MOTORCYCLE, BICYCLE, & PARTS MFG												
United States	-	387	98	17 074	567 520	12 734	24 266	364 795	1 617 497	1 797 470	3 411 677	103 730
California Illinois Wisconsin	_	159 10 13	41 7 11	3 255 2 009 4 388	90 799 38 933 195 789	2 346 1 697 2 589	4 330 3 250 5 427	50 123 28 718 111 067		212 820 107 922 723 443	465 592 183 753 1 223 601	16 163 5 469 44 468

^{*} 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.

¹Some payroll and sales data for small single-unit 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
336991, MOTORCYCLE, BICYCLE, & PARTS MFG		336991, MOTORCYCLE, BICYCLE, & PARTS MFG	
Companies ¹ number	371	—Con.	
All establishments number	387	Value added	1 617 497
Establishments with 1 to 19 employees number	289	Total inventories, beginning of year\$1,000 Finished goods inventories, beginning of year\$1,000	391 610 211 996
Establishments with 20 to 99 employees	71 27	Work-in-process inventories, beginning of year\$1,000	69 332
• •	=-	Materials and supplies inventories, beginning of year \$1,000	110 282
All employees	17 074 692 964	Total inventories, end of year\$1,000	409 475
Annual payroll\$1,000	567 520	Finished goods inventories, end of year\$1,000 Work-in-process inventories, end of year\$1,000	227 363 57 255
Total fringé benefits\$1,000	125 444	Materials and supplies inventories, end of year	124 857
Production workers, average for year number	12 734		808 774
Production workers on March 15	12 624 12 787	Total capital expenditures (new and used)	103 730
Production workers on August 15number	12 767	(new and used)	19 463
Production workers on November 15 number	12 649	Capital expenditures for machinery and equipment (new	
Production-worker hours	24 266	and used)	84 267 9 066
Production-worker wages	364 795		903 438
Total cost of materials	1 797 470	Total depreciation during year ² \$1,000	67 751
Cost of materials, parts, containers, etc., consumed\$1,000	1 502 421	Total rental payments ² \$1,000 . Buildings and other structures rental payments ² \$1,000 .	16 798
Cost of resales \$1,000. Cost of fuels \$1,000.	211 114 8 577	Buildings and other structures rental payments ²	7 727
Cost of purchased electricity\$1,000	16 537	Machinery and equipment rental payments ² \$1,000	9 071
Cost of contract work	58 821	Cost of purchased services for the repair of buildings and other structures ³	3 684
Quantity of electricity purchased for heat and power1,000 kWh	284 051		83
Quantity of electricity generated less sold for heat and power1,000 kWh	_	Cost of purchased services for the repair of machinery and	
Total value of shipments\$1,000	3 411 677	equipment ³ \$1,000 Response coverage ratio ⁴ percent	11 714 83
Primary products value of shipments\$1,000	2 711 091	Cost of purchased communications services ³	5 716
Secondary products value of shipments\$1,000 Total miscellaneous receipts\$1,000	343 507	Response coverage ratio ⁴ percent Cost of purchased legal services ³ \$1,000	83 3 037
Value of resales	266 813		83
Contract receipts\$1,000	D	Cost of purchased accounting and bookkeeping services ³	1 289
Other miscellaneous receipts\$1,000	D	Response coverage ratio ⁴ percent Cost of purchased advertising services ³ \$1,000	83 21 860
Primary products specialization ratio percent	88	Response coverage ratio ⁴ percent	83
Value of primary products shipments made in all industries \$1,000	3 073 197	Cost of purchased software and other data processing	1 040
Value of primary products shipments made in this industry \$1,000 Value of primary products shipments made in other	2 711 091	services ³	1 943 83
industries\$1,000	362 106	Cost of purchased refuse removal (including hazardous waste)	
Coverage ratio percent	88	services ³	2 613 83
Ouverage ratio percent	00	Nesponse coverage ratio percent	

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

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²These 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.

³Based on ASM sample data.

⁴A 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.

Table 4. Industry Statistics by Employment Size: 1997

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

			All shments	All emp	oloyees	Pr	oduction work	ers				
Employment size class	E ¹	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)
336991, MOTORCYCLE, BICYCLE, & PARTS MFG												
All establishments	-	387	98	17 074	567 520	12 734	24 266	364 795	1 617 497	1 797 470	3 411 677	103 730
Establishments with 1 to 4 employees	8	169	-	312	7 189	270	455	5 308	15 505	15 749	33 588	1 502
employees Establishments with 10 to 19	7	66	-	437	10 750	346	646	7 866	26 335	25 149	51 551	2 244
employees Establishments with 20 to 49	4	54	-	725	17 364	542	956	10 924	40 935	38 098	79 408	2 668
employees Establishments with 50 to 99	2	53	53	1 639	42 436	1 242	2 327	27 334	105 554	76 823	182 227	5 964
employees	1	18	18	1 252	34 737	913	1 879	20 182	87 015	80 916	164 773	3 061
employees Establishments with 250 to 499	-	16	16	2 350	66 486	1 660	3 279	37 688	248 121	192 255	436 757	11 683
employees	1	5	5	1 602	47 303	1 261	2 326	27 419	134 582	161 417	294 485	8 927
employees Establishments with 1,000 to 2,499	-	2	2	D	D	D	D	D	D	D	D	D
employees	-	3	3	4 660	176 640	3 248	6 698	111 138	531 886	541 515	1 045 153	41 154
or more	-	1	1	D	D	D	D	D	D	D	D	D
Administrative records ²	9	208	-	749	17 413	627	1 107	13 010	41 661	36 079	77 750	3 765

¹Some payroll and sales data for small single-unit 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.

2 Some payroll and sales data for small single-unit 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

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		All	All employees		Production workers			Value added			Total capital
industry or product class code	Industry or primary product class	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)
336991	Motorcycle, bicycle, & parts mfg	387	17 074	567 520	12 734	24 266	364 795	1 617 497	1 797 470	3 411 677	103 730
3369911 3369913	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires) Motorcycles, including three-wheel, motorbikes, motor scooters,	66	7 578	188 054	5 915	11 147	109 901	537 346	803 011	1 325 093	25 788
	mopeds, and parts (including sidecars)	48	7 446	332 713	5 181	10 270	221 266	885 664	891 762	1 786 763	69 400

Table 6a. Products Statistics: 1997 and 1992

[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]

			19	997			19	992	
NAICS product	Product	Number of companies		Product	shipments	Number of companies		Product	shipments
code	Ploudi	with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)
336991	Motorcycles, bicycles, and parts	N	х	х	3 073 197	N	x	x	N
3369911	Bicycles and parts (excluding children's two- wheel sidewalk cycles with solid or semipneumatic tires)	N	х	х	1 199 078	N	x	х	N
33699111	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires)	N	X	Х	1 192 701	N	x	Х	N
3369911101	Bicycles, complete, wheels of all diameter and all speeds (including lightweight, road, mountain, all terrain,	00	V	V	044 007		V	V	N
3369911104	and cruiser type) Other cycles, including unicycles, adult tricycles, and childrens tricycles of metal tubular construction (excluding	22	Х	Х	811 307	N	X	Х	N
3369911109	children's sidewalk bikes with solid or semipheumatic tires) Frames, forks, and parts thereof for bicycles, unicycles, and adult	6	Х	Х	19 899	N	x	Х	N
3369911113	tricycles	28	X	X	187 030	20	X	X	44 520
3369911116	unicycles, and adult tricycles	10	X X	X	16 154	10	X X	X	18 265
3369911119	and adult tricycles	8	X	X	9 106	5	^	X	14 408
3369911122	tricycles. Other parts for bicycles, unicycles, and adult tricycles (including hubs, brakes, freewheel sprocket wheels, and parts	4	Х	Х	21 649	7	X	Х	N
	thereof)	36	X	Х	127 556	N	X	Х	N
3369911Y	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires), nsk	N	Х	Х	6 377	N	x	X	N
3369911YWV	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires), nsk	N	Х	Х	6 377	N	x	Х	N
3369913	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	N	х	Х	1 679 406	N	x	Х	968 354
33699131	Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds,		V	V	4 070 400			V	
3369913100	and parts (including sidecars) Motorcycles, including three-wheel, motorbikes, motor scooters, mopeds, and parts (including sidecars)	N 56	X X	X X	1 679 406 1 679 406	N N	X X	x x	N N
336991W	Motorcycle, bicycle, and parts manufacturing, nsk, total	N	X	X	194 713	N	x	X	N
336991WY	Motorcycle, bicycle, and parts manufacturing, nsk, total	N	X	×	194 713	N	x	X	N
336991WYWW	Motorcycle, bicycle, and parts manufacturing, nsk, for nonadministrative-record	IN	^	^	134 / 13	IN IN	^	^	IN
336991WYWY	establishments Motorcycle, bicycle, and parts manufacturing, nsk, for administrative- record establishments	N N	×	x x	122 238 72 475	N N	x x	x x	N

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		ue of product shipments (\$1,000)		
code		1997	1992		
3369911	BICYCLES AND PARTS (EXCLUDING CHILDREN'S TWO-WHEEL SIDEWALK CYCLES WITH SOLID OR SEMIPNEUMATIC TIRES)				
	United States	1 199 078	N		
	California	225 699 154 281 15 687 65 885	N N N N		

[#] Additional information is available for this item; see Appendix F.

@ Additional data are available for this item 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; q 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—Con.

[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		
3369913	MOTORCYCLES, INCLUDING THREE-WHEEL, MOTORBIKES, MOTOR SCOOTERS, MOPEDS, AND PARTS (INCLUDING SIDECARS)				
	United States	1 679 406	968 354		
	California	126 750 598 662	51 001 185 496		

[#] Additional information is available for this item; see Appendix F.

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)	
336991	MOTORCYCLE, BICYCLE, & PARTS MFG					
33699101 33699103 33699109 32621003 33699115	Frames, forks, and parts thereof, bicycle Wheel rims and spokes, bicycle Seats (saddles), bicycle Pneumatic tires and inner tubes Other bicycle parts	X X X X	92 162 33 494 15 573 49 593 143 439	X X X X	N N N N	
33200081 33210001 33100035 33100033	Fabricated metal products (except forgings) Forgings Castings (rough and semifinished) Metal shapes and forms, except castings, forgings, and fabricated metal	X X X	D D D	X X X	N N N	
00970099 00971000	products All other materials and components, parts, containers, and supplies Materials, ingredients, containers, and supplies, n.s.k.	X X	238 717 241 626	X X	N N N	

[#] 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: P 10 to 19 percent estimated; q 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-of-year 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:

- 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.
- Cost of products bought and sold in the same condition.

- 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

1997 ECONOMIC CENSUS APPENDIX A A-1

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 line-supervisor 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 six-digit 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

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
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 reproducing
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 six-digit 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 beginning-and 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.

1997 ECONOMIC CENSUS APPENDIX A A-5

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

336991 MOTORCYCLE, BICYCLE, AND PARTS MANUFACTURING

This U.S. industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, tricycles and similar equipment, and parts.

The data published with NAICS code 336991 include the following SIC industries:

3751 Motorcycles, bicycles, and parts 3944 Games, toys, and children's vehicles (pt)

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:

 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 four-digit 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.

MANUFACTURING APPENDIX C C-1

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 materials-consumed 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 supply-based 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.

C-2 APPENDIX C MANUFACTURING

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 APPENDIX C C-3

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

C-4 APPENDIX C MANUFACTURING

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 broader-based annual survey of manufactures and the economic

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.

C-6 APPENDIX C MANUFACTURING

Appendix D. Geographic Notes

Not applicable for this report.

1997 ECONOMIC CENSUS APPENDIX D D-1

Appendix E. Metropolitan Areas

Not applicable for this report.

1997 ECONOMIC CENSUS APPENDIX E E-1

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

2011 19	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
Section Sect	3361110 pt	37110 pt	37110 pt	336211W pt	37110 pt	37110 pt		37142 pt	
SECTION STITLE	3361110 pt	37111 pt	37111 pt	336211W pt	37130	37130	3363121224	3714218	3714218
September Sept	3361110 pt			336211W pt	37140 pt	37140 nt	3363121354	3714232	3714232
SSS-11100 ST-1000 ST	3361110100 pt	3711111	3711111 pt	336211WYWW pt	3711000 pt	3711000 pt	3363121457	3714234	
30811107WW 371400	3361110100 pt	3711400 pt		336211WYWW pt	3714000 pt		3363121504	3714206	3714206
3001100 pt. 371100 pt. 371100 pt. 371100 pt. 3001120 pt. 371200 pt. 37120 pt	3361110100 pt	3711403		336211WYWY pt	3711002 pt		3363121511	3714208	
304120 pt. 3714 pt. 3	3361110YWY	3711002 pt	3711002 pt	336211WYWY pt	3714002 pt		1		
368112 p	3361120 pt	37110 pt	37110 pt	3362121	37151		3363121517	3714215	
\$200.00 pt	3361120 pt	37114 pt	37114 pt	3362121000	3715100	3715100	3363121527	3714217	3714217
3061 200 pt	3361120 pt				37152		3363121534	3714224	3714224
3081 120 WW	3361120100 pt	3711400 pt	3711400 pt	3362123100	3715200	3715200	3363121541	3714225 3714226	
Section 1,	3361120YWW	3711000 pt		336212W	37150		3363121544	3714227	3714227
SSECTION STITLED STI	3361120YWY	3711002 pt	3711002 pt	336212WYWY	3715000	3715000	3363121574	3714249	3714249
Section Property 19 19 19 19 19 19 19 1	3361201 pt	•	37114 pt	3362130	37160	37160		·	·
SSR1201100 pt S711400 pt	3361201 pt	·		3362130101	3716001	3716001	3363123101	3714A02	3714A02
381620110 pt 371400 pt 371400 pt 371400 pt 371400 pt 371500 330213110 371400 pt 371500 330213110 371400 pt 371500 330213110 33021410 33021410 3702112 3702112 3381127W 371400 pt	3361201 pt 3361201100 pt			3362130107	3716007	3716007	3363123104	3714A03	
3861202 m. 37119 37114 m. 38213 m. 3714 m. 3714 m. 38213 m. 3714 m. 37	3361201100 pt	3711400 pt	3711400 pt	3362130111 3362130YWW	3716021 3716000		3363123111	3714A25	3714A25
381020 m	3361201100 pt	3711500 pt		3362130YWY	3716002		3363123YWV	3714A00 pt	
\$381300	3361202 pt	37114 pt	37114 pt	3362141			336312W		
\$381200 \$371400 \$371400 \$362141207 \$36214131 \$379215 \$3852101 \$34700 \$4700 \$4700 \$3512010 \$371400 \$371400 \$367100 \$36700 \$36	3361202 pt	37119		3362141104	3792114	3792114	336312WYWY	3714000 pt	
3861209 37119 37119 37119 3861401 3861401 3792125 3792125 3863210100 3861401 3	3361202100 pt	3711400 pt	3711400 pt				3363210	36470	
336120190 3711300 3711301 3861401 3702100 3702100 36632101WW 5847002 5847002 3864101 370301 3	•			3362141413	3792125	3792125	3363210100 3363210YWW		
33612039W 3711303 3711303 336243110 336243110 379861 379861 379861 38622110 3864101 38		37113 3711304	37113 3711304	3362141YWV	3792120		3363210YWY	3647002	
386120W 37110 pt 37110 pt 3322.43115 3798615 3798610 pt 36222104 3684102 3684103 368100 378610 378610 3798617	3361203104	3711303	3711303	3362143	37996	37996	3363221		
336120WVWW 3711000 pt 3711000 pt 3711000 pt 3362143110 3798617 3798617 pt 3363221204 3894100 3894100 3861101 371101 37111 3362143117 pt 3798617 pt 3363221110 33621111 pt 37111 pt 37111 pt 37111 pt 37111 pt 3798617 pt 3798617 pt 3789602 pt 3363223101 389420 389420 3894201 3862111 pt 37111 pt 37111 pt 3798617 pt 3798617 pt 3789602 pt 3789602 pt 3863223101 3894201 3894201 3894201 3894201 3894201 3894201 3894201 371101 371101 371101 3362143117 pt 3798618 pt 3789602 pt 3863223101 3894201 3894201 3894201 3894201 371101 3713101				3362143101	3799611	3799601 pt	3363221104	3694102	3694102
3822111 pt. 37111 pt. 37111 pt. 37211 pt. 3729651 pt. 3739602 pt. 363223101 3604201 3604201 3604201 3604201 3604201 3604201 3604201 3604202 3604202 3604202 3604203 3604	336120WYWW	3711000 pt	3711000 pt	3362143108	3799615	3799604 pt	3363221201	3694104	
3362111 pt. 37131 37131 336214317 pt 3799651 pt 3799602 pt 3363223101 3694201 3694202 371302 3713102 3		•		3362143114	3799619	3799609 pt	1	3694100	
3362111 pt. 37149 pt. 37149 pt. 3749 pt. 3749 pt. 379905 pt. 379900 pt. 336322210 3694202 3694202 3692101 371401 37140 pt. 3749 p	·	•	·	3362143117 pt 3362143117 pt	3799651 pt		3363223101		
336211101 3713101 3713101 3713101 3362143117 pt 3799600 pt 33632232VW 3694200 3694200 3694200 3694200 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713102 3713101 3904401 3790400 3713101 3713115 3713115 3713115 3713116 3713116 3713116 3713116 3713116 3713116 3713116 3713116 3713116 3713116 3713116 3713116 3713116 3713116 3713110 336214501 379224 379224 3363225101 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 3694301 371312	3362111 pt	37131	37131	3362143117 pt	3799651 pt	3799604 pt	3363223104	3694202	
3362111204 3713102 3713102 376312 376312 3362145 37922 37922 3363225 56843 36843 368211411 3713112 3713112 3763112 3773112 3773112 3773112 3773112 3773112 3773112 3773112 3773112 3773112 3773112 3773112 336214501 379224 3792242 3363225101 368430 3684301 3684301 3684301 3684301 368211416 3773117 3773117 3362146207 3792244 3792244 3792244 386322501 368430 3684301 368211518 3773121 3773121 3362146207 3792249 3792241 33632257WV 3684300 3684300 3684300 368211518 3773131 3773131 3773131 3773131 3773131 3773131 3773131 3773131 3773131 3773132 3362146207 3792268 pt 3792268 pt 3792268 pt 3792268 33632257WV 3684400 3684400 36824400 36824400 3692440 36924163 3773135 3773155 3773155 382244WWW pt. 379200 379200 3863223910 3692470				3362143117 pt	3799651 pt	3799609 pt	3363223204	3694204	3694204
336211411 3713115 3713115 3362145101 3792242 3792242 3363225101 3694301 3694401 3694400 369440	3362111204	3713102	3713102				1		
3362114146 3713117 371317 371317 37362145207 3792247 3792247 383622501 3694303 3694303 3694303 362111519 3713121 3713121 3362145311 pt 3792268 pt 3792261 3363225WW 3694300 3694300 3694300 3692111522 3713131 3713131 3362145311 pt 3792268 pt 3792263 3363227100 3694400 3694400 3692200 3692200 369	3362111411	3713115	3713115		3792242		3363225101	3694301	3694301
3362111519 3713121 3713121 3713121 3362145311 pt 3792268 pt 3792261 33632257W 3694300 3694300 3362111512 3713131 3362145311 pt 3792268 pt 3792263 3363227100 3694400 3694400 3692400 3792200 3792200 3792200 3692200 3	3362111416	3713117	3713117	3362145204	3792244 3792247		3363225201	3694303	3694303
3362111525 3713132 3713132 3731315 33621457WV 3792200 3792200 3363227100 3994400 3694400 3694400 3792200 3792200 3363227100 3994400 3694400 3792200 3792200 3363227100 3994400 3694400 3792200 3792200 3792200 3363227100 3994400 3694701 3694702 37911541 3713155 3713153 36214WP, 379900 3792000 3792000 3792000 36922900 3694702 3694702 3694702 3694703 369211543 3713161 3713161 36214WF, 3792000 7972000 3792000 369229300 3694705 3694705 369211546 3713162 3713162 3713163 36214WF, 3792000 7972000 3792000 369229300 3694705 3694705 369211546 3713162 3713163 36214WF, 3792000 7972000 3792000 3792000 36922930 369470 3694705 369211546 3713162 3713163 36214WF, 3792000 7972000 3792000 3792000 36922930 3694719 369470 3694700 3792000 37				3362145311 pt	3792268 pt	3792261	3363225YWV		
362111531 3713139 3713139 362149VB 379200 379200 336322910 3694701 369	3362111525	3713132	3713132	3362145311 pt	3792268 pt	3792269	3363227		
3362111534 3713143 3713143 37614Wpt 37920 37920 3363229101 3694702 3694703 3694703 3694703 3694703 3694703 3694703 3694703 3694703 3694704 3694704 3694705 3694905 3694705 3694705 3694705 3694705 3694705 3694705 3694905 3694705 369							3363229	36947	36947
3362111541 3713155 3713155 336214WYW pt 3792000 3792000 363229301 3694702 3694704 3362111646 3713161 3713161 336214WYW pt 3792000 3792000 363229307 3694705 3694704 3694704 3362111646 3713162 3713162 336214WYW pt 3792000 3792000 363229307 3694705 3694705 3694705 3694705 3694705 3694705 3694705 3694705 3694709 3694709 3694719 3694719 3694719 3694719 3694719 3694719 3711162 3711171 3711171 3711171 3711171 3711171 3711171 3711171 3711171 3711171 3711171 371371 371371 363111101 359210 3592101 3363224307 3694700 369470	3362111534	3713143	3713143	336214W pt	37920	37920		3694701	
3362111546 3713162 3713162 336214WYWW pt 3799000 pt 3799000 pt 336322307 3694705 3694705 3694705 3362111546 3713162 3713162 336214WYWW pt 3799002 pt 3799000 pt 386322307 3694705 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694907 3694911 3694907 3694907 3694911 3694907 3694911 3694911 3694911 3694911 3694911 3694911 3694911 3694917 371400 pt 371100 pt 371100 pt 3714000 pt 3714400	3362111541	3713155		336214W pt	37990 pt		3363229301	3694702	3694702
3362111552 3711171 371171 371171 336214WYW pt 3799002 pt 3799002 pt 3799002 pt 3694709 3694709 3694709 3694709 3694709 37991171 371171 371171 3711171 3362111555 3711181 37114925 369491 3694901 3694911 3694912 3694911 3694912 3694911 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694913 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694910 3714900 pt 3714910		3713161		336214WYWW pt	3799000 pt	3799000 pt	3363229307	3694705	3694705
3362111555 3711181 371111 pt 3363111 35921 3592101 336322A 36949 369490 3694907 3711100 pt 371300 36321117WV pt 371300 371300 363111103 3592105 3592105 3592105 36322A07 3694913 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694912 3694913 3694919 3694919 3694919 3694919 3714900 pt 3714900 pt 3714900 pt 3714900 pt 3714900 pt 3694900	3362111549	3713163	3713163	336214WYWY pt 336214WYWY pt	3/92002 3799002 pt		3363229309 3363229YWV	3694719 3694700	
3362111571 pt 3713171 3713171 37363111101 3592101 3592102 336322A204 36949017 36949017 36949017 36949017 36949017 36949017 3694911 36949017 3713100 3713100 3713100 3713100 3713100 3713100 3713100 3713100 3713100 3694900 3694913 3694913 3694913 3694913 3694913 3694919 36949	3362111555	3711181	3711111 pt	1	•	•	336322A	36949	36949
3362111571 pt 371317 371491 336311105 3592103 3592105 336322A307 3694911 3694911 3362111571 pt 3714100 pt 3711100 pt 3711400 pt 3711400 pt 3711400 pt 371490 pt 3694911 3694913 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694919 3694910				3363111101	3592101	3592101	336322A101 336322A204	3694901	3694901
3362111YWV pt	3362111571 pt	3714924		3363111105	3592103	3592103	336322A307	3694911	3694911
3362111YWV pt. 3714900 pt. 3714900 pt. 3714900 pt. 3363113 35922 35922 35922 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694900 3694919 3694900 3694900 3694900 3694900 3694900 3694919 3694900	3362111YWV pt	3711100 pt	3711100 pt	3363111207 3363111YWV	3592105 3592100		336322A512	3694913	3694913
3362113 pt. 37114 pt 3363113101 3592201 3592202 3592202 336322 pt 36799 pt 3679 pt 36799 pt 36799 pt 36799 pt 36799 pt 3679 pt 3679 pt 36799 pt 3679	3362111YWV pt	3714900 pt					336322A615 336322AYWV	3694919 3694900	
336211301 3713201 3713201 3363113205 3592203 3592203 36322C pt 37149 pt 336313201 3362113210 3592204 3592204 3592204 3713225 3713225 3713225 363113209 3592206 3592206 3592206 36322C pt 3714A pt 3714A pt 3362113307 3713211 3713211 3363113211 3592206 3592206 3592206 336322C pt 3714D pt 3362113307 3713213 3363113211 3592206 3592209 36322C pt 3714D 3714D pt 3362113307 3713213 3363113211 3592206 3592209 36322C pt 3714D 3714D pt 3362113307 3713215 3713215 3363113211 3592206 3592209 36322C pt 3714D 3714D pt 3362113311 3713215 3713215 3363113211 3952200 3592209 36322C pt 3714D 3714D pt 3362113311 3713215 3713215 3363113211 3952200 3592200 36322C pt 3714D pt 3714D pt 3714D pt 3362113313 3713217 3713217 3713217 3713216 3713218 3713218 3713218 3713218 3713218 363115 35923 359230 33632C 111 pt 3714D pt 37	3362113 pt	37114 pt	37114 pt	3363113101	3592201	3592201			
3362113101 3713201 3713201 373201 3363113207 3592204 3592205 3592205 336322C pt 3714A pt 3714		37132		3363113205	3592203	3592203	336322C pt	37149 pt	37149 pt
3362113304 3713211 3713211 3363113211 3592206 3592206 336322C102 3714913 3714913 3362113307 3713213 3713213 3363113313 3592209 3592209 336322C104 3714914 3714941 pt 3362113311 3713215 33631137WV 3592200 3592200 336322C107 3714915 3714941 pt 3362113313 3713217 3713217 3363113716 3713218 3363115. 359230 3592200 336322C111 pt 3714921 pt 3714917 3362113316 3713218 3363115. 35923 359230 359230 359220111 pt 3714921 pt 3714941 pt 3362113322 3713226 3713226 3363115101 3592301 3592301 33632C111 pt 3714921 pt 3714941 pt 3362113328 3713221 3713227	3362113219	3713201 3713225	3713201 3713225	3363113209	3592205		336322C pt	·	•
3362113311 3713215 3713215 3713215 3363113YWV 3592200 3592200 336322C107 3714915 3714941 pt 3362113316 3713217 3713217 3362113316 3713218 3363115 35923 35923 336322C111 pt 3714921 pt 3714917 3362113322 3713226 3713226 3363115101 3592301 3592301 336322C111 pt 3714921 pt 3714941 pt 3362113325 3713227 3713227 3363115101 3592301 3592301 336322C114 3714942 3714904 pt 3362113328 3713241 371329 pt 3363115103 3592300 3592300 36322C117 3714944 3714904 pt 3362113331 pt 3711411 371400 pt 336211331 pt 3713243 3713243 3713239 pt 3363115103 3592300 3592300 36322C112 3714945 3714941 pt 336211331VV pt 371400 pt 371400 pt 336311WV 359200 359200 36322C122 3714966 3714941 pt 3362113YWV pt 371400 pt 371400 pt 336311WVW 3592000 359200 36322C124 3714405 3714A41 pt	3362113304	3713211	3713211	3363113211	3592206	3592206	336322C102	3714913	3714913
3362113316 3713218 3713218 3363115 35923 35923 336322C111 pt 3714921 pt 3714941 pt 3362113322 3713226 3713226 3713227 3363115101 3592301 3592301 336322C114 3714942 3714904 pt 3362113328 3713227 3363115103 3592302 3592302 3592302 336322C117 3714944 3714904 pt 3362113328 3713241 371329 pt 3363115103 3592300 3592300 3592300 336322C119 3679926 3679920 pt 3362113331 pt 3711411 3711400 pt 3363115101 35920 359200 359200 336322C122 3714946 3714941 pt 336211374W pt 3711400 pt 3711400 pt 336311W. 359200 359200 336322C124 3714405 3714441 pt	3362113311	3713215	3713215	3363113YWV	3592200		336322C107	3714915	3714941 pt
3362113322 3713226 3713226 3363115101 3592301 3592301 336322C114 3714942 3714904 pt 3362113325 371327 3363115103 3592302 3592302 336322C119 371324 3714944 pt 3362113331 pt 3713243 3713243 371329 pt 336311W. 35920 359200 336322C121 3714945 3714941 pt 336211331W pt 371400 pt 371400 pt 336311W. 359200 359200 336322C122 3714966 3714941 pt 371400 pt	3362113316	3713218	3713218	3363115	35923		336322C111 pt	3714921 pt	3714941 pt
3362113328 3713241 3713239 pt 33631157WV 3592300 3592300 3592300 36322C119 3679926 3679920 pt 3362113331 pt 37114400 pt 336311W 35920 35920 35920 36322C121 3714945 3714941 pt 33621133YW pt 3711400 pt 3711400 pt 371400 pt 36311W 359200 359200 359200 36322C124 3714946 3714941 pt 3714401 pt 371400 pt 3714401 pt	3362113322	3713226	3713226	3363115101	3592301	3592301	336322C114	3714942	3714904 pt
3362113331 pt 3713243 3713239 pt 336311W 35920 35920 35920 336322C122 3714946 3714941 pt 3362113YWV pt 3711400 pt 336311WYWW 3592000 359200 336322C124 3714A05 3714A41 pt	3362113328	3713241	3713239 pt	3363115YWV	3592300		336322C119	3679926	3679920 pt
3362113YWV pt 3711400 pt 3711400 pt 336311WYWW 3592000 3592000 3592000 336322C124 3714A05 3714A41 pt 3362113YWV pt 3713200 3713200 336311WYWY 3592002 3592002 336322C127 3714A40 3714A41 pt	3362113331 pt	3713243	3713239 pt	336311W	35920		336322C122	3714946	3714941 pt
	3362113YWV pt 3362113YWV pt	3711400 pt	3711400 pt 3713200	336311WYWW	3592000	3592000 3592002	336322C124 336322C127	3714A05	3714A41 pt 3714A41 pt

1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published	1997 published	1997 collected	1992 published
336322CYWV pt 336322CYWV pt 336322CYWV pt	3714A51	3679900 pt 3714900 pt 3714A00 pt	3363503YWV 336350W 336350WYWW 336350WYWY	3714A00 pt	37140 pt 3714000 pt	3364117 3364117101 3364117104 3364117107 3364117111	3721813	3721813 3721815 3721853 3721855
336322W pt	36940	36940	3363601 3363601100	23962 2396200	23962 2396200	336411W 336411W	3721800 37210 3721000	37210
336322WYWW pt 336322WYWW pt	37140 pt	3679000 pt 3694000	3363602 3363602100	23990 pt 2399025	23990 pt 2399025	336411WYWY	3721002	3721002
336322WYWY pt 336322WYWY pt	3714000 pt 3679002 pt 3694002 3714002 pt	3679002 pt 3694002	3363603 3363603101 3363603104 3363603YWV	25312 pt	2531213 2531215	3364121100 3364123 3364123000	3724100	3724100 37242
	37142 pt		336360W pt	23960 pt	23960 pt	3364125 3364125101	37243 3724321	37243 3724321
3363301 pt	3714905 3714906 3714907 3714920	3714906 3714907 3714920	336360W pt 336360W pt 336360WYWW pt 336360WYWW pt	23990 pt	25310 pt 2396000 pt	3364125104 3364125107 3364125111 3364125YWV	3724323	3724323 3724331 3724333
3363301511 3363301514 3363301521 3363301524 3363301526	3714943 3714918 3714919 3714228	3714941 pt 3714941 pt 3714941 pt 3714228	336360WYWW pt 336360WYWY pt 336360WYWY pt 336360WYWY pt	2531000 pt	2531000 pt 2396002 pt 2399002 pt	3364127 3364127101 3364127204 3364127307	3724401	3724401 3724402 3724405
3363301528 3363301531 3363301YWV pt 3363301YWV pt	3714926 3714200 pt 3714900 pt	3714941 pt 3714200 pt 3714900 pt	3363700 3363700100 3363700YWW 3363700YWY	34650	3465000 pt 3465000 pt	3364127411 3364127YWV 336412W 336412WYWW 336412WYWY	37240 3724000	3724400 37240 3724000
3363303101 3363303104 3363303121	3714A pt	3714A06 3714A39 3714A41 pt	3363917 3363917010 3363917020 3363917030 3363917YWV	35857	3585100 pt 3585100 pt 3585100 pt	3364131	37282	37282 3728210 3728231
336330W	3714000 pt	3714000 pt	336391B 336391B000	3585B	35854 pt	3364131111 3364131YWV	3728261 3728200	3728261 3728200
3363401 pt 3363401 pt	32922 37148	32922 37148	336391W	35850 pt	3585000 pt	3364133 3364133101 3364133104 3364133YWV	3728313	3728313 3728315
3363401 pt. 3363401101 3363401104 3363401211 3363401313 3363401416 3363401519 3363401625	3714801	3714801 3714802	3363991 3363991101 3363991104 3363991107 3363991111 3363991111 3363991119	3714402 3714404 3714405 3714407 3714408	3714401 3714402 3714404 3714405 3714407 3714408	3364135 3364135101 3364135104 3364135207 3364135211 3364135313 3364135416 3364135YWV	3728513	3728513 3728515 3728594 3728595 3728598 3728599
	3714815 3714821	3714815 3714821	3363991YWV 3363993 3363993101	3714400 37145 3714501	3714400 37145	336413W	37280 pt 3728000 pt	37280 pt 3728000 pt
3363401741 3363401744 3363401745 3363401747 pt	3714825	3714825 3714912 3292200 pt	3363993104 3363993107 3363993YWV	3714502 3714503 3714500	3714502 3714503	3364141 3364141100	37611	37611
3363401747 pt 3363401747 pt 3363401747 pt 3363401747 pt	3292200 pt 3292200 pt 3292200 pt	3292215 3292221 3292258	3363995 3363995101 3363995104 3363995107	37147 3714701 3714705 3714707	3714701 3714705	3364143 3364143100 3364145	3761300	3761300
3363401747 pt 3363401YWV pt 3363401YWV pt 3363401YWV pt	3292200 pt	3292200 pt 3714800	3363995111 3363995YWV 3363997 pt	3714714 3714700	3714714 3714700	3364145100 3364147 3364147101	3761600 37612 3761201	3761600 37612 3761201
3363403101	3714A pt 3714A09 3714A10	3714A09	3363997 pt	·	•		3761202 3761200	
3363403107 3363403111 3363403114 3363403117	3714A11	3714A11 3714A33 3714A35 3714A37	3363997 pt 3363997101 3363997204	3714902	3714A pt 3714901 3714902	3364149 3364149101 3364149104 3364149YWV	3761401 3761402 3761400	3761402 3761400
3363403YWV	3714A44	3714A00 pt	3363997307 3363997401 3363997405 3363997409	3714235 3714236 3519987	3714235 3714236 3519987	336414A 336414A101 336414A104 336414AYWV	3761702	3761702 3761703
336340WYWW pt 336340WYWW pt 336340WYWY pt	37140 pt	3292000 pt 3714000 pt 3292002 pt	3363997514 3363997524 3363997527 3363997531	3714922 3714923	3714916 3714922 3714923	336414W	3761000	3761000 3761002
3363501 3363501101 3363501104 3363501207	3714603 3714605 3714613	37146 3714603 3714605 3714613	3363997534 3363997551 3363997554 3363997YWV pt 3363997YWV pt	3714951	3714941 pt 3714A41 pt 3519900 pt 3714200 pt	3364151	3764511	3764511 3764513 3764515 3764500
3363501211 3363501313 3363501316 3363501434	3714623 3714625 3714641	3714623 3714625 3714641	3363997YWV pt 336399W pt	3714A00 pt	3714A00 pt	3364153 3364153101 3364153104 3364153107	3764611	3764611 3764613 3764615
3363501519 3363501522 3363501525 3363501528 3363501531 3363501537	3714631	3714631 3714633 3714635	336399W pt 336399WYWW pt 336399WYWW pt 336399WYWY pt 336399WYWY pt	3714000 pt 3519002 pt 3714002 pt	3519000 pt 3714000 pt 3519002 pt 3714002 pt	3364153YWV 3364155 3364155101 3364155104 3364155107 3364155YWV	37647 3764711 3764713	37647 3764711 3764713 3764715
3363501541 3363501YWV	3714649 3714600	3714649 3714600	3364111 3364111100	3721100	3721100	3364157 3364157101	37648 3764811	37648 3764811
3363503104	3714A pt	3714AÖ4 3714A27	3364113 3364113000 3364115	3721500	3721500	3364157104 3364157107 3364157YWV	3764813 3764815 3764800	3764813 3764815
3363503111 3363503114	3714A31	3714A31 3714A41 pt	3364115101 3364115104 3364115YWV	3721711 3721751	3721711 3721751	336415W	37640	3764000

37691917WV 3769200 3769200 3366115119 3731321 3731321 3369111pt. 37511 336611933 376941 3366115121 3731332 3731332 3369911pt. 39443 pt. 33661193101 3769414 3769414 3366115124 pt 3731361 pt 3731324 33699111pt. 3751148 pt 3769419 3769419 3769419 3769419 3769419 3769419 3769419 3769425 3369115124 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3764135 3769425 33691111 3769425 3369115124 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3769425 33691111 3769425 3369115124 pt 3731361 pt 3731300 3369911101 pt 3751148 pt 33641937WV 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3366117101 3731441 373144 3369911101 pt 3751148 pt 336419WYWW 3769000 3769000 3366117104 3731449 3731449 3369911104 pt 3751148 pt 336419WYWW 3769000 3769000 33661171WV 3731400 3731400 3369911104 pt 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751109 3751100 3751101 3743200 3743200 3743200 3743200 3743200 3743201 3743200 3743	ected 1992 published
3364191104 3769211 3769213 3366115107 3731335 3731335 336612WW 3732700 3364191104 3769213 3769219 3769219 3366115107 3731335 3731335 3731335 336612WWW 373200 pt 3364191207 3769219 3769225 3366115111 3731343 3731348 336612WWW 373200 pt 3364191413 3769225 3769225 3366115113 3731348 3731348 336612WWW 373200 pt 3364191413 3769225 3769225 3366115116 3731347 3731348 336612WWW 373200 pt 33641914WW 3769200	
3364191104 3769213 3769219 3366115107 3731335 3731335 336612W 373200 pt 3364191207 3769219 3366129 336611511 3731343 3731343 3336612WVW 3732000 pt 3364191311 3769225 3769225 3366115113 3731348 3731348 336612WVW 3732000 pt 3364191413 3769235 3366125111 3731327 3731357 336612WVW 3732002 pt 3364191YWV 3769200 3769200 3366115119 3731321 3731357 336612WVW 3732002 pt 3364191YWV 3769200 3769200 3366115119 3731322 3731332 3731332 336612WVW 3732002 pt 3364191YWV 3769200 3366115121 3731322 3731332 3731332 3369911 pt 3751148 pt 3364193101 3769414 3366115124 pt 3731361 pt 3731324 3369911 pt 3751148 pt 3364193101 3769414 3369115124 pt 3731361 pt 3731324 3369911 pt 3751148 pt 3364193101 3769419 3769419 3366115124 pt 3731361 pt 3731328 3369911 pt 3751148 pt 3364193107 3769425 3769425 3366115124 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3364193107 3769435 3769400 37694	
3364191207 3769219 3769219 3366115111 3731343 3731348 336612W. 3732000 pt 3364191311 3769225 3769225 3366115113 3731348 3731348 336612WVW 3732000 pt 3364191413 3769225 3769235 3366115116 3731357 3731348 336612WVWY 3732000 pt 3364191WV 3769200 3769200 336611512 3731321 336612WVWY 3732000 pt 3743102 pt 376940 336611512 3731322 3731322 3731322 3731322 3731323 3369911 pt. 3751148 pt 3364193101 3769414 3769414 3366115124 pt 3731361 pt 3731324 3369911 pt. 3751148 pt 3364193101 3769419 3769419 3366115124 pt 3731361 pt 3731324 3369911101 pt 3751148 pt 3364193101 3769419 3769419 3366115124 pt 3731361 pt 3731326 3369911101 pt 3751148 pt 3364193101 3769435 3769425 33691452 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3364193111 3769435 3769435 3366115124 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3364193111 3769435 3769435 33691361 pt 3731300 3731300 336991110 pt 3751148 pt 33641931W 3769400 37	3732700
3364191311 3769225 3769225 336815113 3731348 3731348 336612WYWW 3732000 pt 3364191YWV 3769200 3769200 336815116 3731357 373135	37320 pt
3364191413 3769225 3769225 3769200 3366115116 3731357 3731357 336612WYWY 3732002 pt 3364191YW 3769200 3769200 3366115121 3731321 3731322 3731322 3369911 pt. 3751148 pt 3364193101 3769414 3769414 3769414 3769414 3769419 3366115124 pt 3731361 pt. 3731326 3369911101 pt 3751148 pt 3364193107 3769425 3769425 3769425 3366115124 pt 3731361 pt. 3731328 3369911101 pt 3751148 pt 3364193111 3769425 3769425 3366115124 pt 3731361 pt. 3731328 3369911101 pt 3751148 pt 3364193111 3769425 3769425 3366115124 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3364193111 3769425 3769425 3366115124 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3364193111 3769435 3769400	37320 pt
3364191YWV 3769200 3769200 3366115119 3731321 3731321 3369911 pt. 37511	3732000 pt
3364193 37694 376944 3366115123 3731332 3731332 3731333 336991110 pt. 39443 pt. 3364193101 3769414 3769414 3366115124 pt. 3731361 pt. 3731324 3369911101 pt. 3751148 pt. 3364193104 3769419 3769419 3366115124 pt. 3731361 pt. 3731328 3369911101 pt. 3751148 pt. 3364193107 3769425 3769425 3366115124 pt. 3731361 pt. 3731328 3369911101 pt. 3751148 pt. 3364193111 3769435 3769435 3366115124 pt. 3731361 pt. 3731328 3369911101 pt. 3751148 pt. 33641931W 3769400 37694	•
3364193.101 3769414 3769414 3366115124 pt 3731361 pt 3731324 3369911101 pt 3751148 pt 3364193101 3769415 3769415 3769425 3769425 3769425 3366115124 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3364193101 3769435 3769435 3366115124 pt 3731300 3731300 3369911101 pt 3751148 pt 3364193111 3769435 3769435 3366115124 pt 3731300 3731300 3369911101 pt 3751148 pt 3364193111 3769435 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769000 3769	37511
3364193101 3769414 3769414 3366115124 pt 3731361 pt 3731324 3369911101 pt 3751148 pt 3364193104 3769419 3769419 3366115124 pt 3731361 pt 3731326 3369911101 pt 3751148 pt 3364193107 3769425 3769425 3366115124 pt 3731361 pt 3731328 3369911101 pt 3751148 pt 3364193111 3769435 3769435 33661157WV 3731300 3731300 3369911101 pt 3751148 pt 33641931W 3769400 3769400 3366117 373144 373144 3369911101 pt 3751148 pt 336419WV 376900 376900 3366117 3731441 3731441 3369911101 pt 3751148 pt 336419WVW 3769000 3769000 3366117 3731449 3731449 3369911101 pt 3751109 3751109 336419WVWY 3769002 3769002 3366117 373140 3731400 3369911104 pt 3751109 336419WVWY 3769002 3769002 3769002 3366119 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3731601 3369911110 3751116 3365101101 3743105 3743101 pt 3366119104 3731600 3731600 3369911112 pt 3751116 3365101101 3743105 3743101 pt 3366119104 373100 373100 3369911112 pt 3751112 3365101111 3743105 3743101 pt 3366119WW 3731000 3731000 3369911112 pt 375112 pt 375112 pt 3365101111 3743105 3743101 pt 3366119WW 3731000 3731000 3369911112 pt 3751124 pt 3365101101 3743200 pt 3743205 3366121107 3732201 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743265 3366121107 3732201 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743265 3366121107 3732200 3732201 336991WPt 3751000 pt 3769000 pt 3743200 pt 3743265 3366121109 3732200 3732219 pt 336991WPt 375100 pt 3769000 3	39443 pt
3364193104 3769419 3769419 3769419 3366115124 pt 3731361 pt 3731326 3369911101 pt 3751148 pt 3364193107 3769425 3769425 3366115124 pt 3731300 3731300 3369911101 pt 3751148 pt 3364193111 3769435 3769425 33661157WV 3731300 3731300 3369911101 pt 3751148 pt 3364193YWV 3769400 3769400 3769400 3769400 3769400 3769400 376900 376900 376900 3366117 373144 373144 3369911101 pt 3751148 pt 336419WVWW 376900 3769000 3769000 3366117101 3731441 3731441 3369911101 pt 3751148 pt 336419WVWW 3769000 3769000 3366117104 3731449 3731449 3369911104 pt 3751148 pt 336419WVWW 3769002 3769002 3366117104 3731449 3731449 3369911104 pt 3751148 pt 336419WVWW 3769002 3769002 3366117104 3731400 3731400 3369911101 pt 3751148 pt 3365101101 3743102 3743101 pt 3366119101 3731601 373160 3369911110 pt 3751110 3365101101 3743102 3743101 pt 3366119101 3731601 3731601 3369911103 3751110 3365101101 3743102 3743101 pt 3366119104 3731602 3731600 3369911113 3751116 3365101101 3743105 3743101 pt 33661191WW 3731600 3731600 3369911119 3751116 3365101111 3743113 3743103 pt 33661191WW 373100 373100 3369911112 pt 37511149 pt 3365101101 3743100 pt 3743100 pt 3743100 pt 3743100 pt 3743100 pt 3743100 pt 3743200 pt 3743200 pt 3743200 pt 3743200 pt 3743201 3366121101 3732201 3732201 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743205 3366121101 3732200 3732201 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743265 3366121101 3732200 3732201 336991WW pt 39691W pt 3751000 336611111 3732210 3743200 pt 3743200 pt 3743265 3366121101 3732200 3732201 336991Wy pt 3751200 pt 3765103100 pt 3743200 pt 3743265 3366121113 3732200 3732210 336991Wy pt 3751000 336611111 3732210 3732210 336991Wy pt 3751000 336611111 3732200 3732210 336991Wy pt 3751000 3366111	
3364193107 3769425 3769425 3769425 33661157WV 3731300 3731300 3369911101 pt 3751148 pt 33641937WV 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 3769400 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376900 376911104 pt 3751148 pt 3751149 pt 3751100 3751110 3751148 pt 3751148 pt 3751149 pt 3751100 3751110 3751149 pt 3751100 3751110 3	3751141
3364193111 3769435 3769400 3769400 3769400 3366117 3731300 3731300 3369911101 pt 3751148 pt 336911931 3769400 3769400 3769400 3769400 3366117 373144 373144 3369911101 pt 3751148 pt 336419W. 376900 3769000 3769000 3366117104 3731449 3731449 3369911104 pt 3751109 336419W. 3769002	
3364193YWV 3769400 3769400 3769400 3366117 37314 37314 3369911101 pt 3751148 pt 336911901 pt 3751149 pt 336911901 pt 3751149 pt 336911901 pt 3751149 pt 336911901 pt 3751140 pt 336911101 pt 3751140 pt 336911101 pt 3751110 pt 336911111 pt 3751110 pt 3751110 pt 336911111 pt 3751110 pt 37	3751145
336419W 37690 376900 3769000 3366117101 3731441 3731449 3731449 3369911104 pt 3751148 pt 336419WYWW 3769000 3769000 3769000 3769000 33661177WV 3731400 3731440 3369911104 pt 394336 336911104 pt 394336 3369911104 pt 394336 3369911110 373160 373160 3369911111 373160 373160 3369911112 pt 3751116 3365101107 3743105 3743101 pt 33661197WV 3743100 pt 3743200 pt 3743200 33691111 373220 373200 336991111Wy pt 3944300 pt 3365103100 pt 3743200 pt 374320 pt 3743215 3366121104 373220 373220 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743205 3369121104 373220 373220 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743265 3366121107 3732211 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743265 3366121113 373220 3732219 pt 336991Wy pt 375100 pt 3366121119 3732200 3732219 pt 336991Wy pt 375100 pt 3366121119 3732200 3732219 pt 336991Wy pt 3751000 336991Wy pt 3751000 pt 37691000 pt 3743200 pt 3743265 3366121119 3732200 3732219 pt 336991Wy pt 3751000 pt 37691000 pt 3743200 pt 3743265 3366121119 3732200 3732219 pt 336991Wy pt 3751000 pt 37691000 pt 376910	3751147
336419WYWW 3769000 3769000 3366117YWV 3731449 3369911104 pt 3751109 336419WYWW 3769002	3751149 3751155
336419WYWW 3769002 3769002 3366117YWV 3731400 3731400 3369911104 pt 3944336 336911109 3751110 3365101 37431 pt 3743101 pt 3366119101 3731601 3731601 3369911113 3751115 3365101101 3743102 3743101 pt 3366119104 3731602 3731602 3731602 3731602 3369911116 3751115 3365101107 3743104 3743101 pt 33661191WV 3731600 3731600 3369911112 pt 3751114 pt 3365101107 3743105 3743101 pt 33661191WV 3731600 3731600 3369911112 pt 3751114 pt 3365101107 3743103 pt 33651011W 3743103 pt 33661191WV 373100 373100 3369911112 pt 3751124 pt 33651011WV 3743100 pt 3743100 pt 3743100 pt 3743100 3369911112 pt 3751124 pt 3751124 pt 3751100 3369911112 pt 3751124 p	3751133
336419WYWY 3769002 3769002 336911109 3751110 3366119 37316 3369911109 3751110 3365101 3743101 3743101 pt 3366119101 3731601 3731601 3369911113 3751112 3365101101 3743102 3743101 pt 3366119104 3731602 3731602 3369911113 3751116 3365101104 3743105 3743101 pt 3366119104 3731600 3731600 3369911112 pt 3751114 pt 3365101107 3743105 3743101 pt 3366119 3743100 373100 373100 3369911112 pt 3751124 pt 33651011VW 3743100 pt 3743100 pt 336611WWW 373100 373100 3369911112 pt 3751124 pt 3365101 3743103 pt 336611WWW 373100 373100 3369911112 pt 3751124 pt 3751124 pt 3365103100 pt 3743200 pt 3743200 3366111 373220 373202 3369911 374320 3369911 3743201 3369911 3743201 336991 3743201 336991 3743201 336991 3743201 336991 3743200 pt 3743201 33691 3743201 336991 3743201 336991 3743200 pt 3743200 pt 3743215 3366121104 3732201 3732201 3369913100 pt 3751200 pt 3765103100 pt 3743200 pt 3743241 3366121107 3732201 3732207 3369913100 pt 3751200 pt 3765103100 pt 3743200 pt 3743265 3366121113 3732200 3732201 3369913100 pt 375100 pt 3765103 pt 3765103100 pt 3743200 pt 3743265 3366121113 3732200 3732219 pt 336991Wytw pt 3751000 336	
3365101	
3365101 374310 3743101 pt 3366119101 3731601 3731601 336931110 336931110 3366119101 3731601 3731602 3731602 3369311110 3366119104 3731602 3731600 33699111110 3751116 3365101107 3743104 3743103 pt 336611910W 3743100 pt 3743200 pt 3743200 pt 3743201 pt 3366121101 3732201 3365103100 pt 3743200 pt 3743211 3366121101 373220 373220 3369313100 pt 3743200 pt 3743215 3366121104 3732201 3732201 3369313100 pt 3743200 pt 3743205 pt 3743205 pt 3743200 pt 3743200 pt 3743211 3366121104 3732201 3732201 3369313100 pt 3743200 pt 3743241 3366121107 3732211 3732211 3369313100 pt 3743200 pt 3743241 3366121113 3732207 3732207 3369313100 pt 3743200 pt 3743265 3366121113 3732200 3732210 pt 336991WPt 375100 pt 3765105 pt	
3365101101 3743102 3743101 pt 3366119104 3731602 3731602 3369911110 3751116 3365101101 3743104 3743101 pt 3365101107 3743105 3743101 pt 33661191WV 3731600 3731600 3369911112 pt 3751124 pt 3751124 pt 3365101111 3743105 3743100 pt 3743100 pt 336611W. 373100 3731000 3731000 3369911122 pt 3751124 pt 3751124 pt 33651011WW 373100 pt 3743100 pt 336611W/WY 3731000 3731000 3731000 3369911122 pt 3751124 pt 3761124 pt 336611W/WY 3731000 3731000 3731000 3369911122 pt 3751124 pt 336611W/WY 3731000 3731000 3731000 3369911122 pt 3751124 pt 33661103 pt 3743200 pt 3743200 336911122 pt 3751120 pt 3365103100 pt 3743200 pt 3743211 3366121101 3732201 3732201 3369911WV pt 3743200 pt 3743215 3366121104 3732202 3732202 3369913100 pt 3751200 pt 3763200 pt 3743241 3366121107 3732211 3732210 3369913100 pt 3751200 pt 3761200 pt 3743200 pt 3743241 3366121107 3732201 3732210 3369913100 pt 3751200 pt 3761200	3751112
3365101704 3743104 3743101 pt 3366119YWV 3731600 3731600 3731600 3369911122 pt 3751124 pt 3365101111 3743113 3743103 pt 336611W 373100 373100 373100 3369911122 pt 3751124 pt 3365101YWV 3743100 pt 3743200 pt 3743200 pt 3743200 pt 3743201 336611WYWY 3731002 3731002 3369911YW pt 3751100 3743200 pt 3743200 pt 3743200 pt 3743201 3366121101 3732201 3732201 3369913100 pt 3751200 pt 3765103100 pt 3743200 pt 3743201 37612101 3761201 pt 3761200 pt	3751115 3751116
3365101111 3743113 3743103 pt 336611W 37310 37310 3369911122 pt 3751124 pt 3365101YWV 3743100 pt 3743100 pt 336611WYWY 373100 373100 3369911YWV pt 3751124 pt 336611WYWY 3731000 3731000 3369911YWV pt 3751120 pt 3365103 3743200 pt 3743200 pt 3743200 pt 3743201 3366121101 3732201 3732201 3369913100 pt 3743200 pt 3743201 3366121104 3732201 3732201 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743205 3366121104 3732201 3732201 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743200 pt 3743200 pt 3743200 pt 3743200 pt 3743201 3369913100 pt 3751200 pt 3365103100 pt 3743200	
3365101YWV 3743100 pt 3743100 pt 336611WYW 3731000 3731000 33699111YWV pt 37511124 pt 3751124 pt 3366113100 pt 3743200 pt 3743200 336611WYW 3731000 3731000 3369911YWV pt 3944300 pt 3365103100 pt 3743200 pt 3743215 3366121101 3732201 3732201 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743215 3366121104 3732202 373220 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743215 3366121104 3732202 3732202 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743235 3366121107 3732211 3732211 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743245 3366121110 3732207 3732207 3365103100 pt 3743200 pt 3743265 3366121113 3732209 3732219 pt 3369913100 pt 375100 pt 376100 pt	3751113
33661103	3751123
3365103	3751100
3365103100 pt	3944300 pt
3365103100 pt 3743200 pt 3743211 3366121101 3732201 3732201 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743215 3366121104 3732202 3732202 3369913100 pt 3751200 pt 3365103100 pt 3743205 3366121107 3732211 3732211 3369913100 pt 3751200 pt 3365103100 pt 3743200 pt 3743241 3366121111 3732207 3732207 3732219 pt 3365103100 pt 3743200 pt 3743265 3366121116 3732210 3732219 pt 336991W pt 37510 3365105 pt 3531M pt 3531M pt 3366121119 3732220 3732219 pt 336991W pt 3940 pt 3365105 pt 3531M pt 369913100 pt 3732210 3732219 pt 336991W pt 39691W pt 3751000	37512
3365103100 pt	
3365103100 pt	
3365103100 pt 3743200 pt 3743265 3366121113 3732209 3732219 pt 336991W pt 37510	3751209
3366121116 3732210 3732219 pt 336612119 3732220 3732219 pt 336612119 3732220 3732219 pt 336931W pt 3440 pt 336931W pt 3751000 3732219 pt 336931W pt 3751000 3732219 pt	37510
3365105 pt 3531X pt 3531M pt 3366121119 3732220 3732219 pt 336931WYWW pt 3751000 3751000	
3300100 pt 3031A pt 3031N pt. 3366434333 3733334 3733334 3733331V pt 3731000	39440 pt
	3751000
3366121225 3732223 3732223 30000 M TWY W J 374000 Pt	3944000 pt
3365105 nt 3531X nt 3531P nt 2266424220 272226 272226 330331W1W1 PL 373100Z	3751002 3944002 pt
	•
3365105 pt	37110 pt
3365105301 3743301 3743301 3743301 3366121234 3732226 3732229 pt 3369920 pt 37141 pt 3714 pt 3	37114 pt
3732222 pt	•
	37950
	3795001
3365105411 3743311 3743311 3366121337 3732228 3732228 3369920214 3795051 3745105416 3743312 3743312 3366121YWV 3732200 3732200 3369920216 3711401	3795051 3711400 pt
3369920217 3743314 [3369920217 3795098	3711400 pt
33651U5419 pt 3531X8U 3531MZ1 pt 3366123 37323 37323 336020V\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
3365105419 pt 3743319 3743319 3366123104 3732311 3369920YWW pt 3711400 pt	3711400 pt
3365105YWV pt 3531X00 pt 3531M00 pt 3366123107 3732316 3732316 3369920YWW pt 3795000	3795000
33651037WV pt 3531700 pt 3531700 pt 3731700 pt	3711002 pt
	3795002
	37993
3799382 37934	3799382
3366125107 3732405 3732405 3309991104 3799304	3799384
	3799300
336510WYWW pt 3743000 pt 3743000 pt 3743000 pt 3743000 pt 376500WYWW pt 376500WYWW pt 376500WYWW pt 376500 pt 3765000 pt	37999 pt
336510WYWY pt 3531002 pt 3531002 pt 3366125211 3732406 3732409 pt 3369993101 3799903	3799903
336510WYWY pt 3743002 pt 3743002 pt 3366125273 pt 3732408 pt 3732407 3369993204 3799904	3799904
3369993307 3732408 pt 3732409 pt 3369993307 3799905	3799905
3300111	
3366111101 3731111 3731111 379915 379915	3799923 pt
$3366111104 \dots 3731107 \dots 3731107 \dots 3731107 \dots 3732703 \dots 3$	
$3366127104 \dots 3731119 \dots 3731119 \dots 3731119 \dots 3732704 \dots 3$	3799925 3799900 pt
	•
3366127111 3732708 3732708 336999W 37990 pt	37990 pt
3366113	3799000 pt
3366113100 3731200 3731200 3366127116 3732717 3732717 336999WYWY 3799002 pt	2700000