

Architectural, Engineering, and Related Services: 2002

Issued October 2004

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2002 Economic Census

Professional, Scientific, and Technical Services

Industry Series



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-- Not applicable for this report.

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

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

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

- Policymaking agencies of the federal government use the data to monitor economic activity and to 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.

INDUSTRY CLASSIFICATIONS

Data from the 2002 Economic Census are published primarily according to the 2002 North American Industry Classification System (NAICS). NAICS was first adopted in the United States, Canada, and Mexico in 1997. The 2002 Economic Census covers the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information
52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Food Services
81	Other Services (except Public Administration)

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

The 20 NAICS sectors are subdivided into 100 subsectors (three-digit codes), 317 industry groups (four-digit codes), and, as implemented in the United States, 1,179 industries (six-digit codes).

RELATIONSHIP TO HISTORICAL INDUSTRY CLASSIFICATIONS

Prior to the 1997 Economic Census, data were published according to the Standard Industrial Classification (SIC) system. 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 1997 Economic Census *Bridge Between NAICS and SIC* demonstrates the relationships between NAICS and SIC industries. Where changes are significant, it may not be possible to construct time series that include data for points both before and after 1997.

Most industry classifications remained unchanged between 1997 and 2002, but NAICS 2002 includes substantial revisions within the construction and wholesale trade sectors, and a number of revisions for the retail trade and information sectors. These changes are noted in industry definitions and will be demonstrated in the *Bridge Between NAICS 2002 and NAICS 1997*.

For 2002, data for enterprise support establishments (those functioning primarily to support the activities of their company's operating establishments, such as a warehouse or a research and development laboratory) are included in the industry that reflects their activities (such as warehousing). For 1997, such establishments were termed auxiliaries and were excluded from industry totals.

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. (For selected industries, only payroll, employment, and classification are collected for individual establishments, while other data are collected on a consolidated basis.)

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for states, metropolitan and micropolitan statistical areas, counties, and corporate municipalities (places) including cities, towns, townships, 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 administrative sources is used as a basis for coding.

AVAILABILITY OF ADDITIONAL DATA

All results of the 2002 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on digital versatile discs (DVD-ROMs) for sale by the Census Bureau. The American FactFinder system at the Internet site allows selective retrieval and downloading of the data. For more information, including a description of reports being issued, see the Internet site, write to the U.S. Census Bureau, Washington, DC 20233-6100, or call Customer Services at 301-763-4100.

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 service trades in 1933. Censuses of construction, manufacturing, and the other business 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 and 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 report forms.

The range of industries covered in the economic census expanded between 1967 and 2002. 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. New for 2002 is coverage of four industries classified in the agriculture, forestry, and fishing sector under the SIC system: landscape architectural services, landscaping services, veterinary services, and pet care services.

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. Reports for 1997 were published primarily on the Internet and copies of 1992 reports are also available there. CD-ROMs issued from the 1987, 1992, and 1997 Economic Censuses contain databases that include all or 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 the 2002 Economic Census and related surveys is published in the *Guide to the 2002 Economic Census* at www.census.gov/econ/census02/guide. More information on the methodology, procedures, and history of the census will be published in the *History of the 2002 Economic Census* at www.census.gov/econ/www/history.html.

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Professional, Scientific, and Technical Services

SCOPE

The Professional, Scientific, and Technical Services sector (sector 54) comprises establishments that specialize in performing professional, scientific, and technical activities for others. These activities require a high degree of expertise and training. The establishments in this sector specialize according to expertise and provide services to clients in a variety of industries and, in some cases, to households. Activities performed include: legal advice and representation; accounting, bookkeeping, and payroll services; architectural, engineering, and specialized design services; computer services; consulting services; research services; advertising services; photographic services; translation and interpretation services; veterinary services; and other professional, scientific, and technical services.

This sector excludes establishments primarily engaged in providing a range of day-to-day office administrative services, such as financial planning, billing and recordkeeping, personnel, and physical distribution and logistics. These establishments are classified in Sector 56, Administrative and Support and Waste Management and Remediation Services.

Data for this sector are shown for establishments of firms subject to federal income tax, and separately, of firms that are exempt from federal income tax under provisions of the Internal Revenue Code.

Many of the “kinds of business” included in this sector are not thought of as commercial businesses and the terms (such as “business,” “establishment,” and “firm”) used to describe them may not be descriptive of such services. However, these terms are applied to all “kinds of business” in order to maintain conformity in the measures of the production and delivery of goods and services and in the presentation of data.

Exclusions. The tabulations for this sector do not include central administrative offices, warehouses, or other establishments that serve professional, scientific, and technical service establishments within the same organization. Data for such establishments are classified according to the nature of the service they provide. For example, separate headquarters establishments are reported in NAICS sector 55, Management of Companies and Enterprises.

The reports described below exclude establishments of firms with no paid employees. These “nonemployers,” typically self-employed individuals or partnerships operating businesses that they have not chosen to incorporate, are reported separately in *Nonemployer Statistics*. The contribution of nonemployers, relatively large for this sector, may be examined at www.census.gov/nonemployerimpact.

Definitions. Industry categories are defined in Appendix B, NAICS Codes, Titles, and Descriptions. Other terms are defined in Appendix A, Explanation of Terms.

REPORTS

The following reports provide statistics on this sector.

Industry Series. There are nine reports, each covering a group of related industries. The reports present, by kind of business for the United States, general statistics for establishments of firms with payroll on number of establishments, receipts/revenue, expenses of tax-exempt establishments, payroll, and employment; comparative statistics for 2002 and 1997; product lines; and concentration of business activity in the largest firms. The data in industry reports are preliminary and subject to change in the following reports.

Geographic Area Series. There is a separate report for each state, the District of Columbia, and the United States. Each state report presents, for establishments of firms with payroll, general statistics on number of establishments, receipts/revenue, expenses of tax-exempt establishments, payroll, and employment by kind of business for the state, metropolitan and micropolitan statistical areas, counties, and places with 2,500 inhabitants or more. Greater kind-of-business detail is shown for larger areas. The United States report presents data for the United States as a whole for detailed kind-of-business classifications.

Subject Series:

- **Product Lines.** This report presents product lines data for establishments of firms with payroll by kind of business. Data are presented for the United States and states. Establishments may report negative revenue for selected product lines. Because of this, percentages for product lines may be in excess of 100 or less than 0.
- **Establishment and Firm Size (Including Legal Form of Organization).** This report presents receipts/revenue, payroll, and employment data for the United States by receipts/revenue size, by employment size, and by legal form of organization for establishments of firms with payroll; and by receipts/revenue size (including concentration by largest firms), by employment size, and by number of establishments operated (single units and multiunits) for firms with payroll.
- **Miscellaneous Subjects.** This report presents data for a variety of industry-specific topics for establishments of firms with payroll. Presentation of data varies by kind of business.

ZIP Code Statistics. This report presents data for establishments of firms with payroll by United States ZIP Code.

Other reports. Data for this sector are also included in reports with multisector coverage, including *Nonemployer Statistics*, *Comparative Statistics*, *Bridge Between 2002 NAICS and 1997 NAICS*, *Business Expenses*, and the Survey of Business Owners reports.

GEOGRAPHIC AREAS COVERED

The level of geographic detail varies by report. Maps are available at www.census.gov/econ2002maps. Notes specific to areas in the state are included in Appendix D, Geographic Notes. Data may be presented for –

1. The United States as a whole.
2. States and the District of Columbia.
3. Metropolitan and micropolitan statistical areas. A core based statistical area (CBSA) contains a core area with a substantial population nucleus, together with adjacent communities having a high degree of social and economic integration with that core. CBSAs are differentiated into metropolitan and micropolitan statistical areas based on size criteria. Both metropolitan and micropolitan statistical areas are defined in terms of entire counties, and are listed in Appendix E, Metropolitan and Micropolitan Statistical Areas.
 - a. Metropolitan Statistical Areas (metro areas). Metro areas have at least one urbanized area of 50,000 or more population, plus adjacent territory that has a high degree of social and economic integration with the core as measured by commuting ties.
 - b. Micropolitan Statistical Areas (micro areas). Micro areas have at least one urban cluster of at least 10,000, but less than 50,000 population, plus adjacent territory that has a high degree of social and economic integration with the core as measured by commuting ties.
 - c. Metropolitan Divisions (metro divisions). If specified criteria are met, a metro area containing a single core with a population of 2.5 million or more may be subdivided to form smaller groupings of counties referred to as Metropolitan Divisions.

-
- d. Combined Statistical Areas (combined areas). If specified criteria are met, adjacent metro and micro areas, in various combinations, may become the components of a new set of areas called Combined Statistical Areas. The areas that combine retain their own designations as metro or micro areas within the larger combined area.
4. Counties and county equivalents defined as of January 1, 2002. Counties are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs, census areas, and city and boroughs. Maryland, Missouri, Nevada, and Virginia have one place or more that is independent of any county organization and constitutes primary divisions of their states. These places are treated as counties and as places.
 5. Economic places.
 - a. Municipalities of 2,500 inhabitants or more defined as of January 1, 2002. These are areas of significant population incorporated as cities, boroughs, villages, or towns according to the 2000 Census of Population. For the economic census, boroughs, census areas, and city and boroughs in Alaska and boroughs in New York are not included in this category.
 - b. Consolidated cities defined as of January 1, 2002. Consolidated cities are consolidated governments that consist of separately incorporated municipalities.
 - c. Townships in Michigan, New Jersey, and Pennsylvania, and towns in New York, Wisconsin, and the six New England states with 10,000 inhabitants or more (according to the 2000 Census of Population).
 - d. Balance of county. Areas outside the entities listed above, including incorporated municipalities with populations of fewer than 2,500, towns and townships not qualifying as noted above, and the remainders of counties outside places are categorized as "Balance of county."

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 2002 data are expressed in 2002 dollars, and 1997 data, in 1997 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.

COMPARABILITY OF THE 1997 AND 2002 ECONOMIC CENSUSES

Both the 2002 Economic Census and the 1997 Economic Census present data based on the North American Industry Classification System (NAICS). However, for 2002, data for NAICS 54132, Landscape Architectural Services, and NAICS 54194, Veterinary Services, are included. These NAICS industries were out of scope in 1997.

Data for this sector for 2002 include totals for taxable and tax-exempt businesses together, not present in 1997 reports. For 1997, only data for taxable establishments were shown at county and place levels in the Geographic Area Series. For 2002, data for taxable and tax-exempt establishments, as well as the combined totals, are shown at these geographic levels.

These tables for 2002 include professional, scientific, and technical service establishments that primarily serve other establishments of the same enterprise. These "enterprise support" establishments were not included in data for the professional, scientific, and technical services sector in 1997, but were instead included in the "Other auxiliary establishments" kind-of-business category in the "Auxiliaries, Excluding Corporate, Subsidiary, and Regional Managing Offices" reports.

For 2002, the revenue data for tax-exempt establishments include gains or losses from the sale of real estate, investments, or other assets. In 1997, these gains or losses were excluded from revenue. Also, the 2002 expenses data for tax-exempt establishments exclude program service grants, contributions and gifts paid, specific assistance to individuals, and benefits paid to or for members. In 1997, these types of expenses were included.

RELIABILITY OF DATA

All data compiled for this sector are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, processing, and estimation for missing or misreported data. Data presented in the Miscellaneous Subjects and Product Lines reports for this sector are subject to sampling errors, as well as nonsampling errors.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors or by the joint effects of sampling and nonsampling errors. No direct measurement of these effects has been obtained except for estimation for missing or misreported data, as by the percentages shown in the tables. Precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors. More information on the reliability of the data is included in Appendix C, Methodology.

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 business. However, the number of establishments in a kind-of-business classification is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at www.census.gov/epcd/ec02/disclosure.htm.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Service Annual Survey (SAS) each year. This survey, while providing more frequent observations, yields less kind-of-business and geographic detail than the economic census. In addition, the County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county, and Statistics of U.S. Businesses program provides annual statistics classified by the employment size of the enterprise, further classified by industry for the United States, and by broader categories for states and metropolitan areas.

CONTACTS FOR DATA USERS

Questions about these data may be directed to the U.S. Census Bureau, Service Sector Statistics Division, Service Census Branch, 1-800-541-8345 or scb@census.gov.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with these data:

D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals
N	Not available or not comparable
S	Withheld because estimates did not meet publication standards
X	Not applicable
Z	Less than half the unit shown
a	0 to 19 employees
b	20 to 99 employees
c	100 to 249 employees
e	250 to 499 employees
f	500 to 999 employees
g	1,000 to 2,499 employees
h	2,500 to 4,999 employees
i	5,000 to 9,999 employees
j	10,000 to 24,999 employees
k	25,000 to 49,999 employees
l	50,000 to 99,999 employees
m	100,000 employees or more

r Revised
– Represents zero (page image/print only)
(CC) Consolidated city
(IC) Independent city

Table 1. Summary Statistics for the United States: 2002

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	Kind of business	Estab-lishments (number)	Receipts/ revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts/ revenue—	
							From admini-strative records ¹	Estimated ²
5413	Architectural, engineering, and related services	107 275	161 611 883	68 014 626	16 070 008	1 268 440	17.0	14.8
54131	Architectural services	23 269	25 345 747	9 757 149	2 198 686	186 293	25.2	5.9
541310	Architectural services	23 269	25 345 747	9 757 149	2 198 686	186 293	25.2	5.9
54132	Landscape architectural services	6 225	3 568 814	1 329 689	281 120	36 679	36.7	6.6
541320	Landscape architectural services	6 225	3 568 814	1 329 689	281 120	36 679	36.7	6.6
54133	Engineering services	55 229	116 525 315	49 717 865	11 891 655	860 517	14.1	17.3
541330	Engineering services	55 229	116 525 315	49 717 865	11 891 655	860 517	14.1	17.3
54134	Drafting services	2 674	731 682	353 745	84 082	10 129	35.0	7.5
541340	Drafting services	2 674	731 682	353 745	84 082	10 129	35.0	7.5
54135	Building inspection services	4 074	1 311 646	455 921	102 504	14 208	32.2	8.4
541350	Building inspection services	4 074	1 311 646	455 921	102 504	14 208	32.2	8.4
54136	Geophysical surveying and mapping services	738	1 028 476	384 372	100 037	7 997	14.5	8.8
541360	Geophysical surveying and mapping services	738	1 028 476	384 372	100 037	7 997	14.5	8.8
54137	Surveying and mapping (except geophysical) services	9 118	4 305 950	2 053 942	469 466	59 263	26.7	7.1
541370	Surveying and mapping (except geophysical) services	9 118	4 305 950	2 053 942	469 466	59 263	26.7	7.1
54138	Testing laboratories	5 948	8 794 253	3 961 943	942 458	93 354	15.4	16.6
541380	Testing laboratories	5 948	8 794 253	3 961 943	942 458	93 354	15.4	16.6

¹Includes receipts/revenue information obtained from administrative records of other federal agencies.

²Includes receipts/revenue information that was imputed based on historic data, administrative data, industry averages, or other statistical methods.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 2. Comparative Statistics for the United States (1997 NAICS Basis): 2002 and 1997

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 and 1997 Economic Censuses. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census.]

1997 NAICS code	Kind of business	Establishments (number)	Receipts/revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)	
5413	Architectural, engineering, and related services	2002..	101 050	158 043 069	66 684 937	1 231 761
		1997..	92 710	116 986 061	46 942 816	1 038 317
54131	Architectural services	2002..	23 269	25 345 747	9 757 149	186 293
		1997..	20 602	16 988 338	6 488 524	146 702
541310	Architectural services	2002..	23 269	25 345 747	9 757 149	186 293
		1997..	20 602	16 988 338	6 488 524	146 702
54133	Engineering services	2002..	55 229	116 525 315	49 717 865	860 517
		1997..	52 526	88 180 688	35 337 890	730 048
541330	Engineering services	2002..	55 229	116 525 315	49 717 865	860 517
		1997..	52 526	88 180 688	35 337 890	730 048
54134	Drafting services	2002..	2 674	731 682	353 745	10 129
		1997..	1 872	605 362	310 342	9 150
541340	Drafting services	2002..	2 674	731 682	353 745	10 129
		1997..	1 872	605 362	310 342	9 150
54135	Building inspection services	2002..	4 074	1 311 646	455 921	14 208
		1997..	2 771	639 041	240 080	8 674
541350	Building inspection services	2002..	4 074	1 311 646	455 921	14 208
		1997..	2 771	639 041	240 080	8 674
54136	Geophysical surveying and mapping services	2002..	738	1 028 476	384 372	7 997
		1997..	587	1 087 786	445 595	9 905
541360	Geophysical surveying and mapping services	2002..	738	1 028 476	384 372	7 997
		1997..	587	1 087 786	445 595	9 905
54137	Surveying and mapping (except geophysical) services	2002..	9 118	4 305 950	2 053 942	59 263
		1997..	8 864	3 041 882	1 431 603	51 814
541370	Surveying and mapping (except geophysical) services	2002..	9 118	4 305 950	2 053 942	59 263
		1997..	8 864	3 041 882	1 431 603	51 814
54138	Testing laboratories	2002..	5 948	8 794 253	3 961 943	93 354
		1997..	5 488	6 442 964	2 708 782	82 024
541380	Testing laboratories	2002..	5 948	8 794 253	3 961 943	93 354
		1997..	5 488	6 442 964	2 708 782	82 024

Note: The data in this table are based on the 2002 and 1997 Economic Censuses. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 3. Product Lines by Kind of Business for the United States: 2002

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2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
5413		Architectural, engineering, and related services	107 275	X	161 611 883	X	100.0	65.4
	34090	Architectural services for residential building projects, excluding landscape architecture	16 153	12 584 359	3 655 507	29.0	2.3	63.9
	34091	Architectural services for single-family residential projects, excluding landscape architecture	14 788	9 216 300	2 304 151	25.0	1.4	X
	34092	Architectural services for multi-family residential projects, excluding landscape architecture	6 695	7 645 687	1 351 356	17.7	.8	X
	34100	Architectural services for non-residential building projects, excluding landscape architecture	20 474	24 337 546	18 217 150	74.9	11.3	64.8
	34101	Architectural services for office building projects, excluding landscape architecture	11 951	14 610 041	2 831 837	19.4	1.8	X
	34102	Architectural services for retail and restaurant building projects, excluding landscape architecture	9 605	9 680 090	1 693 686	17.5	1.0	X
	34103	Architectural services for hotels and convention centers, excluding landscape architecture	2 527	5 263 355	681 429	12.9	.4	X
	34104	Architectural services for hospital and health care building projects, excluding landscape architecture	6 189	10 751 673	2 696 356	25.1	1.7	X
	34105	Architectural services for entertainment, recreational, and cultural building projects, excluding landscape architecture	6 658	10 589 868	1 473 610	13.9	.9	X
	34106	Architectural services for educational building projects, excluding landscape architecture	9 454	16 709 071	4 946 320	29.6	3.1	X
	34107	Architectural services for industrial building projects, excluding landscape architecture	5 790	6 084 016	711 832	11.7	.4	X
	34108	Architectural services for transportation and distribution facility projects, excluding landscape architecture	2 216	5 202 686	643 424	12.4	.4	X
	34109	Architectural services for other non-residential building projects, excluding landscape architecture	8 793	12 241 509	2 538 656	20.7	1.6	X
	34110	Architectural services for historic restoration projects, excluding landscape architecture	2 486	3 082 687	259 798	8.4	.2	X
	34120	Architectural advisory services, including expert witness testimony, excluding landscape architecture	1 882	1 803 912	97 231	5.4	.1	X
	34130	Landscape architectural services for residential building projects	5 233	3 785 035	1 526 625	40.3	.9	59.2
	34131	Landscape architectural services for single-family residential projects	4 293	2 535 884	1 040 459	41.0	.6	X
	34132	Landscape architectural services for multi-family residential projects	1 836	1 773 944	161 615	9.1	.1	X
	34133	Landscape architectural services for residential subdivision projects	2 112	1 709 636	324 551	19.0	.2	X
	34140	Landscape architectural services for non-residential building projects	4 402	4 565 690	822 029	18.0	.5	63.2
	34141	Landscape architectural services for corporate building projects	2 461	2 754 910	253 511	9.2	.2	X
	34142	Landscape architectural services for hotels, convention centers, stadiums, and arenas	1 150	1 178 076	106 586	9.0	.1	X
	34143	Landscape architectural services for educational building projects	2 116	2 593 262	221 307	8.5	.1	X
	34144	Landscape architectural services for other non-residential building projects	3 036	2 649 539	240 625	9.1	.1	X
	34150	Landscape architectural services for recreational and open space projects ..	2 267	2 014 918	327 624	16.3	.2	X
	34160	Landscape architectural advisory services including expert witness testimony	496	230 079	18 565	8.1	Z	X
	34170	Urban planning services	1 843	3 454 800	431 271	12.5	.3	61.8
	34171	Development of comprehensive urban plans	768	2 002 825	206 576	10.3	.1	X
	34172	Development of urban plans for communities	965	1 802 619	139 014	7.7	.1	X
	34173	Development of urban plan elements	794	1 414 609	85 440	6.0	.1	X
	34180	Urban planning advisory services including expert witness testimony	236	177 531	40 033	22.6	Z	X
	34190	Landscape architectural projects - specific elements	863	689 642	147 429	21.4	.1	X
	34200	Building engineering projects: Engineering services for residential building projects	18 735	24 796 967	8 345 298	33.7	5.2	59.6
	34201	Engineering services for new residential building projects	17 313	22 521 427	6 747 239	30.0	4.2	X
	34202	Engineering services for residential building renovation projects	9 295	10 475 241	1 598 059	15.3	1.0	X
	34210	Building engineering projects: Engineering services for commercial, public, and institutional building projects	25 631	39 278 685	14 700 911	37.4	9.1	64.1
	34211	Engineering services for new commercial, public, and institutional building projects	22 769	34 913 829	10 192 656	29.2	6.3	X
	34212	Engineering services for commercial, public, and institutional building renovation projects	16 207	22 227 404	4 508 255	20.3	2.8	X
	34220	Industrial engineering projects: Engineering services for industrial and manufacturing plant and process projects	13 071	27 835 505	12 504 014	44.9	7.7	63.6
	34222	Engineering services for mining and metallurgical plant and process projects	2 442	4 054 831	738 600	18.2	.5	X
	34223	Engineering services for petroleum and petrochemical plant and process projects	2 546	10 025 074	4 064 666	40.5	2.5	X
	34224	Engineering services for pharmaceutical plant and process projects	1 607	5 251 176	1 182 832	22.5	.7	X
	34225	Engineering services for pulp and paper plant and process projects	1 365	3 898 074	756 864	19.4	.5	X
	34226	Engineering services for microelectronic plant and process projects	1 041	2 432 681	492 329	20.2	.3	X
	34227	Engineering services for textile and clothing plant and process projects	418	2 079 315	30 849	1.5	Z	X
	34228	Engineering services for iron and steel plant and process projects	560	1 886 634	459 553	24.4	.3	X
	34229	Engineering services for other industrial and manufacturing projects	8 096	17 664 092	4 692 571	26.6	2.9	X
	34230	Industrial engineering projects: Engineering design services for industrial and manufactured products	4 062	6 753 634	4 700 341	69.6	2.9	X
	34240	Infrastructure engineering projects: Engineering services for transportation projects	15 762	39 613 259	15 188 508	38.3	9.4	65.1
	34241	Highway and roadway projects	13 179	32 898 679	9 357 318	28.4	5.8	X
	34242	Mass transit projects	2 503	14 521 062	2 784 372	19.2	1.7	X
	34243	All other transportation projects including aviation, railway, and marine	5 043	18 449 076	3 046 741	16.5	1.9	X
	34250	Infrastructure engineering projects: Engineering services for municipal utility projects	13 774	32 415 757	7 880 505	24.3	4.9	64.8
	34251	Water collection, distribution, treatment, and disposal projects	11 259	26 193 593	4 573 184	17.5	2.8	X
	34252	Municipal waste collection and disposal projects	6 994	16 661 044	2 053 843	12.3	1.3	X
	34253	Other municipal utility projects	5 366	12 248 349	1 253 478	10.2	.8	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

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			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
5413		Architectural, engineering, and related services—Con.						
	34260	Infrastructure engineering projects: Engineering services for power generation and distribution projects	4 889	20 889 068	11 386 987	54.5	7.0	64.6
	34261	Fossil fuel power generating unit projects	2 033	11 862 094	5 191 750	43.8	3.2	X
	34262	Hydro power generating unit projects	1 119	4 177 094	201 585	4.8	.1	X
	34263	Nuclear power generating unit projects	564	8 244 467	3 482 344	42.2	2.2	X
	34264	Other power generating projects	1 031	5 021 654	1 569 655	31.3	1.0	X
	34265	Power transmission and distribution projects	2 056	7 343 072	941 653	12.8	.6	X
	34270	Infrastructure engineering projects: Engineering services for telecommunications and broadcasting projects	5 027	12 544 800	4 438 840	35.4	2.7	63.7
	34271	Wireless network projects, including direct broadcast satellite TV and radio systems	2 526	7 199 392	1 706 487	23.7	1.1	X
	34272	Wired telephone system projects	1 731	3 620 808	948 863	26.2	.6	X
	34273	Cable television system projects	427	727 143	194 832	26.8	.1	X
	34274	Television and radio broadcasting system projects, excludes direct broadcast satellite systems	413	421 755	69 856	16.6	Z	X
	34275	Other telecommunications and broadcasting	1 715	7 117 357	1 518 802	21.3	.9	X
	34280	Engineering services for hazardous and industrial waste projects	4 892	18 950 925	5 103 064	26.9	3.2	64.6
	34281	Industrial waste collection, treatment, and disposal projects	2 318	9 694 986	1 532 442	15.8	.9	X
	34282	Hazardous waste remediation projects	3 594	13 867 997	3 570 622	25.7	2.2	X
	34290	Engineering services for all other projects	6 145	25 596 782	16 894 749	66.0	10.5	X
	34300	Engineering advisory and consulting services, performed independently of an engineering project	6 123	10 456 511	2 976 449	28.5	1.8	X
	34310	Project management services	4 585	13 333 452	1 629 530	12.2	1.0	X
	34320	Construction management services	5 193	16 127 532	3 815 866	23.7	2.4	X
	34350	Surveying and mapping services, excluding geophysical surveying: Geospatial photo and image acquisition from aircraft and satellites	550	475 205	192 175	40.4	.1	X
	34360	Surveying & mapping serv, excl geophysical surveying: Geospatial photo & image processing, incl orthophoto, elevation & terrain modeling, aerotriangulation, photomosaics, & photogrammetric restitution	245	333 840	135 336	40.5	.1	X
	34370	Surveying and mapping services, excluding geophysical surveying: Geospatial data interpretation	165	122 629	25 307	20.6	Z	X
	34380	Surveying and mapping services, excluding geophysical surveying: Integrated surveying and mapping services	8 711	3 899 639	3 315 384	85.0	2.1	61.0
	34381	Property line surveying and mapping services, including subdivision layout and design	8 110	3 238 064	1 563 205	48.3	1.0	X
	34382	Topographic and planimetric surveying and mapping services	6 038	2 865 610	642 843	22.4	.4	X
	34383	Hydrographic and bathymetric surveying and mapping services	756	721 551	116 460	16.1	.1	X
	34384	Construction surveying	6 108	3 032 046	884 896	29.2	.5	X
	34385	Geodetic surveying and ground control support	1 650	1 158 380	107 980	9.3	.1	X
	34390	Surveying and mapping services, excluding geophysical surveying: Thematic mapping, orthophoto mapping, and charting	230	230 320	51 916	22.5	Z	62.3
	34391	Thematic mapping	116	109 684	15 593	14.2	Z	X
	34392	Orthophoto mapping	140	200 291	33 977	17.0	Z	X
	34393	Nautical charting	14	15 351	2 048	13.3	Z	X
	34400	Surveying and mapping services, excluding geophysical surveying: Geographic information system development and customization	216	334 175	52 667	15.8	Z	X
	34410	Surveying and mapping services, excluding geophysical surveying: Geospatial consulting services, including expert witness (testimony) services	217	155 879	7 254	4.7	Z	X
	34420	Surveying and mapping services, excluding geophysical surveying: Geospatial data conversion and digitizing services	196	261 749	43 435	16.6	Z	X
	34430	Surveying and mapping services, excluding geophysical surveying: Training services related to surveying and mapping	104	103 164	5 737	5.6	Z	X
	34440	Surveying and mapping services, excluding geophysical surveying: Sale of geospatial products	478	299 870	73 341	24.5	Z	42.4
	34441	Satellite images	25	31 809	1 757	5.5	Z	X
	34442	Aerial photographs	268	186 815	25 988	13.9	Z	X
	34443	Maps	221	99 854	28 791	28.8	Z	X
	34444	Geographic information systems (GIS) software	119	82 275	16 805	20.4	Z	X
	34450	Geophysical surveying and mapping services: Geophysical data acquisition	316	768 484	499 390	65.0	.3	62.8
	34451	Geophysical data acquisition by seismic methods	232	738 933	447 576	60.6	.3	X
	34452	Geophysical data acquisition by non-seismic methods	129	329 014	51 814	15.7	Z	X
	34460	Geophysical surveying and mapping services: Geophysical data processing	144	178 803	60 411	33.8	Z	X
	34470	Geophysical surveying and mapping services: Geophysical data interpretation services	123	57 332	21 484	37.5	Z	X
	34480	Geophysical surveying and mapping services: Integrated geophysical services	448	348 308	185 306	53.2	.1	54.4
	34481	Acquiring and processing only of geophysical data	131	216 079	125 219	58.0	.1	X
	34482	Processing and interpreting only of geophysical data	113	94 356	11 067	11.7	Z	X
	34483	Acquiring, processing, and interpreting geophysical data	168	75 794	32 385	42.7	Z	X
	34484	Geophysical borehole logging surveys	179	84 259	16 635	19.7	Z	X
	34490	Geophysical surveying and mapping services: Sale of geophysical products	77	314 327	252 485	80.3	.2	65.4
	34491	Sale of geophysical data	68	303 647	250 336	82.4	.2	X
	34492	Sale of geophysical software	13	23 955	2 149	9.0	Z	X
	34500	Geophysical surveying and mapping services: Geophysical consulting services, including survey design and expert witness services	137	54 719	6 969	12.7	Z	X
	34510	Geophysical surveying and mapping services: Geophysical data management services	23	217 736	21 413	9.8	Z	X
	34520	Geophysical surveying and mapping services: Training services related to geophysical surveying	13	13 990	177	1.3	Z	X
	34530	Geophysical surveying and mapping services: Rental of geophysical surveying equipment	45	31 132	2 910	9.3	Z	X
	34540	Geophysical surveying and mapping services: Sale of geophysical survey equipment	22	86 410	4 129	4.8	Z	X
	34550	Training services	1 390	4 034 661	218 300	5.4	.1	X
	34560	Interior design services	3 703	7 990 684	866 577	10.8	.5	X

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						Establishments with the product line	All establishments ¹	
5413		Architectural, engineering, and related services—Con.						
	34570	Industrial design services	97	28 126	7 346	26.1	Z	X
	34600	Graphic design services	38	19 916	3 980	20.0	Z	X
	34610	Golf course design services	6	878	7	.8	Z	X
	34630	Specialized design services	27	10 046	3 622	36.1	Z	X
	35150	Computer systems design, development, and integration services	843	2 611 939	233 647	8.9	.1	64.3
	35151	Computer systems design services	843	2 611 939	233 647	8.9	.1	X
	35830	Landscape architectural services: Project site master plans for residential building projects	1 531	1 199 796	136 286	11.4	.1	X
	35840	Landscape architectural services: Project site master plans for non-residential building projects	1 621	2 054 689	112 506	5.5	.1	X
	35850	Landscape architectural services: Project site master plans for recreational and open-space projects	1 339	1 231 407	127 989	10.4	.1	X
	36100	Research and development in the physical and engineering sciences	215	229 675	69 772	30.4	Z	64.9
	36101	Chemistry and chemical engineering	24	20 469	6 911	33.8	Z	X
	36102	Computer science and electrical engineering	7	5 567	361	6.5	Z	X
	36103	Civil engineering	39	28 645	4 428	15.5	Z	X
	36104	Earth and environmental sciences	128	108 184	23 791	22.0	Z	X
	36105	Other physical and engineering sciences	56	102 920	34 281	33.3	Z	X
	36150	Research and development in the life sciences	70	142 702	45 110	31.6	Z	65.4
	36151	Biotechnology and other biological sciences	16	95 058	19 506	20.5	Z	X
	36152	Medical sciences	25	5 037	2 098	41.7	Z	X
	36153	Agriculture, forestry, fisheries, and allied sciences	23	39 496	18 955	48.0	Z	X
	36154	Other life sciences	35	28 506	4 551	16.0	Z	X
	36250	Market research and public opinion polling services	25	13 515	4 300	31.8	Z	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	5 918	8 776 278	8 303 407	94.6	5.1	61.7
	36301	Chemical analysis and testing	2 356	3 183 683	2 400 325	75.4	1.5	X
	36302	Nondestructive testing	938	1 645 815	1 171 018	71.2	.7	X
	36303	Mechanical testing	548	786 881	330 970	42.1	.2	X
	36304	Geotechnical/geosciences testing	455	611 970	214 558	35.1	.1	X
	36305	Electrical testing	398	667 348	491 806	73.7	.3	X
	36306	Biological testing	413	705 788	316 440	44.8	.2	X
	36307	Metrology	162	177 983	103 542	58.2	.1	X
	36308	Acoustic, optical, and thermal testing	87	132 259	27 235	20.6	Z	X
	36309	Other testing services, excluding medical and veterinary	2 213	3 744 048	3 247 513	86.7	2.0	X
	36750	Photography services, including commercial photography	49	8 319	988	11.9	Z	X
	36900	Architectural services, excluding landscape architecture, not specified by type	1 305	5 278 232	587 463	11.1	.4	X
	36910	Landscape architectural services, not specified by type	1 623	5 663 429	310 506	5.5	.2	X
	36920	Engineering services, not specified by type	2 907	5 783 992	1 100 626	19.0	.7	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	7 772	16 010 403	2 475 366	15.5	1.5	X
	36940	Geophysical surveying services, not specified by type	665	1 882 487	104 926	5.6	.1	X
	36950	Research and development services, not specified by type	1 962	2 915 907	434 859	14.9	.3	X
	37000	Building inspection services: Home inspection services	5 500	2 971 349	1 029 343	34.6	.6	58.3
	37001	Home inspection services, except pest inspection and new home construction	4 208	2 217 049	750 257	33.8	.5	X
	37002	Combined home and pest inspection	794	201 297	108 712	54.0	.1	X
	37003	New home construction inspection services	2 662	1 530 033	170 374	11.1	.1	X
	37010	Building inspection services: Commercial building inspection services	3 000	3 074 336	345 228	11.2	.2	X
	37020	Building inspection services: Pest inspection services	358	71 393	4 591	6.4	Z	X
	37030	Building inspection services: Environmental hazard detection services	3 332	4 946 303	545 877	11.0	.3	62.7
	37031	Lead-based paint inspection services	1 038	1 853 138	36 091	1.9	Z	X
	37032	Radon inspection services	1 107	571 375	18 246	3.2	Z	X
	37033	Asbestos inspection services	1 218	2 458 233	92 370	3.8	.1	X
	37034	Water quality inspection services	1 384	2 192 407	86 261	3.9	.1	X
	37035	Carbon monoxide and carbon dioxide inspection services	119	110 392	3 719	3.4	Z	X
	37036	Indoor air quality inspection services	820	1 846 904	87 676	4.7	.1	X
	37037	Underground fuel tank inspection services	1 029	2 471 786	97 106	3.9	.1	X
	37038	Other environmental hazard detection services	637	1 066 231	124 408	11.7	.1	X
	37040	Building inspection services: Specific element, system, or site feature inspection services	5 246	6 302 034	738 566	11.7	.5	62.2
	37041	Structural component inspection services	2 956	3 292 140	212 795	6.5	.1	X
	37042	Electrical inspection services	940	1 321 288	70 132	5.3	Z	X
	37043	Heating system inspection services	657	1 227 487	39 512	3.2	Z	X
	37044	Cooling system inspection services	808	1 105 099	33 441	3.0	Z	X
	37045	Septic system inspection services	807	573 053	18 478	3.2	Z	X
	37046	Exterior inspection services	474	691 183	39 084	5.7	Z	X
	37047	Roofing inspection services	1 128	944 239	97 306	10.3	.1	X
	37048	Moisture intrusion analysis services	393	578 740	32 478	5.6	Z	X
	37049	Recreational facilities inspection services	547	674 514	10 015	1.5	Z	X
	37051	Other specific element inspection services	961	1 082 270	185 325	17.1	.1	X
	37100	Drafting services: Mechanical drafting services	550	183 557	127 393	69.4	.1	62.5
	37101	Machine drafting services	235	86 321	49 485	57.3	Z	X
	37102	Mechanical systems drafting services	193	73 214	27 733	37.9	Z	X
	37103	Mechanical flow diagram drafting services	64	32 567	2 461	7.6	Z	X
	37104	Industrial machinery and equipment layout drafting services	223	66 973	47 714	71.2	Z	X
	37110	Drafting services: Process piping systems drafting	142	49 842	14 048	28.2	Z	X
	37120	Drafting services: Electrical and electronic drafting services	207	60 759	15 263	25.1	Z	X
	37130	Drafting services: Site drafting services for civil engineering projects	154	39 489	14 831	37.6	Z	X
	37140	Drafting services: Structural drafting services for civil engineering projects	146	43 659	11 590	26.5	Z	X
	37150	Drafting services: Structural drafting services for buildings	783	93 589	42 430	45.3	Z	X
	37160	Drafting services: Steel detailing drafting services	325	215 327	181 860	84.5	.1	X
	37170	Drafting services: Other engineering drafting services	194	56 705	23 165	40.9	Z	X
	37180	Drafting services: Architectural drafting services	738	131 147	83 061	63.3	.1	X
	37190	Drafting services: Display and presentation drafting services	89	20 194	12 314	61.0	Z	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
5413		Architectural, engineering, and related services—Con.						
	37200	Drafting services: Patent drawing and trademark illustration services	40	12 409	1 932	15.6	Z	X
	37210	Drafting services: Drafting of as-built drawings	311	89 170	25 192	28.3	Z	X
	37220	Drafting services: Checking and revision services	207	44 230	3 000	6.8	Z	X
	37230	Drafting services: Drafting consulting services	233	44 150	4 683	10.6	Z	X
	37240	Drafting services: Drafting training services	76	15 190	468	3.1	Z	X
	37250	Drafting services: Other drafting services	605	189 074	135 654	71.7	.1	50.9
	37251	Interior design drafting services	86	21 613	12 614	58.4	Z	X
	37252	Landscape design drafting services	80	18 541	1 702	9.2	Z	X
	37253	All other drafting services	470	155 203	121 338	78.2	.1	X
	37260	Plotting and printing services for technical drawings	224	45 701	5 883	12.9	Z	X
	37270	Conversion services for technical drawings	93	29 158	2 166	7.4	Z	X
	39000	Merchandise sales	2 317	3 451 522	776 649	22.5	.5	64.4
	39045	Sale of merchandise, not specified by type	813	507 534	79 184	15.6	Z	X
	39046	Sale of merchandise, not specified by type	1 089	2 423 087	615 755	25.4	.4	X
	39047	Sale of other merchandise, not specified by type	91	107 908	9 655	8.9	Z	X
	39048	Sales of merchandise, not specified by type	21	9 109	1 317	14.5	Z	X
	39052	Sales of merchandise, not specified by type	303	403 884	70 738	17.5	Z	X
	39500	All other receipts	5 685	16 490 099	2 233 595	13.5	1.4	63.9
	39541	All other operating receipts, not specified by type	1 392	2 276 615	368 040	16.2	.2	X
	39542	All other operating receipts, not specified by type	3 302	12 713 507	1 579 381	12.4	1.0	X
	39543	All other operating receipts, not specified by type	362	598 886	85 917	14.3	.1	X
	39544	All other operating receipts	99	19 602	4 368	22.3	Z	X
	39547	All other operating receipts	530	881 489	195 889	22.2	.1	X
54131		Architectural services	23 269	X	25 345 747	X	100.0	78.1
	34090	Architectural services for residential building projects, excluding landscape architecture	16 044	12 485 967	3 637 734	29.1	14.4	76.3
	34091	Architectural services for single-family residential projects, excluding landscape architecture	14 682	9 121 998	2 288 680	25.1	9.0	X
	34092	Architectural services for multi-family residential projects, excluding landscape architecture	6 664	7 624 681	1 349 054	17.7	5.3	X
	34100	Architectural services for non-residential building projects, excluding landscape architecture	20 340	24 205 500	18 186 637	75.1	71.8	77.4
	34101	Architectural services for office building projects, excluding landscape architecture	11 906	14 555 977	2 824 902	19.4	11.1	X
	34102	Architectural services for retail and restaurant building projects, excluding landscape architecture	9 592	9 639 840	1 691 340	17.5	6.7	X
	34103	Architectural services for hotels and convention centers, excluding landscape architecture	2 501	5 226 694	679 264	13.0	2.7	X
	34104	Architectural services for hospital and health care building projects, excluding landscape architecture	6 183	10 728 120	2 695 960	25.1	10.6	X
	34105	Architectural services for entertainment, recreational, and cultural building projects, excluding landscape architecture	6 588	10 495 505	1 469 284	14.0	5.8	X
	34106	Architectural services for educational building projects, excluding landscape architecture	9 428	16 672 264	4 944 897	29.7	19.5	X
	34107	Architectural services for industrial building projects, excluding landscape architecture	5 777	6 070 739	710 909	11.7	2.8	X
	34108	Architectural services for transportation and distribution facility projects, excluding landscape architecture	2 187	5 174 894	640 709	12.4	2.5	X
	34109	Architectural services for other non-residential building projects, excluding landscape architecture	8 745	12 173 430	2 529 372	20.8	10.0	X
	34110	Architectural services for historic restoration projects, excluding landscape architecture	2 452	3 048 498	258 263	8.5	1.0	X
	34120	Architectural advisory services, including expert witness testimony, excluding landscape architecture	1 845	1 764 013	95 803	5.4	.4	X
	34130	Landscape architectural services for residential building projects	413	920 277	39 285	4.3	.2	74.4
	34131	Landscape architectural services for single-family residential projects	272	356 147	20 214	5.7	.1	X
	34132	Landscape architectural services for multi-family residential projects	163	501 275	12 570	2.5	.1	X
	34133	Landscape architectural services for residential subdivision projects	88	288 258	6 501	2.3	Z	X
	34140	Landscape architectural services for non-residential building projects	709	2 345 174	98 845	4.2	.4	75.7
	34141	Landscape architectural services for corporate building projects	254	1 204 857	31 219	2.6	.1	X
	34142	Landscape architectural services for hotels, convention centers, stadiums, and arenas	89	356 396	7 633	2.1	Z	X
	34143	Landscape architectural services for educational building projects	287	1 164 848	30 408	2.6	.1	X
	34144	Landscape architectural services for other non-residential building projects	429	1 176 715	29 585	2.5	.1	X
	34150	Landscape architectural services for recreational and open space projects	205	552 775	25 345	4.6	.1	X
	34160	Landscape architectural advisory services including expert witness testimony	37	17 235	507	2.9	Z	X
	34170	Urban planning services	897	2 482 797	158 658	6.4	.6	74.3
	34171	Development of comprehensive urban plans	280	1 342 349	67 433	5.0	.3	X
	34172	Development of urban plans for communities	531	1 201 922	59 025	4.9	.2	X
	34173	Development of urban plan elements	331	981 872	32 200	3.3	.1	X
	34180	Urban planning advisory services including expert witness testimony	124	85 920	4 309	5.0	Z	X
	34190	Landscape architectural projects - specific elements	57	226 838	5 069	2.2	Z	X
	34310	Project management services	714	1 783 022	208 587	11.7	.8	X
	34320	Construction management services	828	1 578 234	583 183	37.0	2.3	X
	34550	Training services	49	23 317	2 535	10.9	Z	X
	34560	Interior design services	3 626	7 950 477	856 652	10.8	3.4	X
	35830	Landscape architectural services: Project site master plans for residential building projects	250	408 055	16 981	4.2	.1	X
	35840	Landscape architectural services: Project site master plans for non-residential building projects	581	1 355 451	58 546	4.3	.2	X
	35850	Landscape architectural services: Project site master plans for recreational and open-space projects	1 158	387 525	18 248	4.7	.1	X
	36920	Engineering services, not specified by type	1 294	4 186 489	725 621	17.3	2.9	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census.]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
54131		Architectural services—Con.						
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	143	418 193	21 543	5.2	.1	X
	36940	Geophysical surveying services, not specified by type	42	112 278	2 281	2.0	Z	X
	36950	Research and development services, not specified by type	280	992 511	55 251	5.6	Z	X
	39000	Merchandise sales	504	346 973	41 819	12.1	.2	78.1
	39045	Sale of merchandise, not specified by type	504	346 973	41 819	12.1	.2	X
	39500	All other receipts	998	1 732 585	243 310	14.0	1.0	78.1
	39541	All other operating receipts, not specified by type	998	1 732 585	243 310	14.0	1.0	X
541310		Architectural services	23 269	X	25 345 747	X	100.0	78.1
	34090	Architectural services for residential building projects, excluding landscape architecture	16 044	12 485 967	3 637 734	29.1	14.4	76.3
	34091	Architectural services for single-family residential projects, excluding landscape architecture	14 682	9 121 998	2 288 680	25.1	9.0	X
	34092	Architectural services for multi-family residential projects, excluding landscape architecture	6 664	7 624 681	1 349 054	17.7	5.3	X
	34100	Architectural services for non-residential building projects, excluding landscape architecture	20 340	24 205 500	18 186 637	75.1	71.8	77.4
	34101	Architectural services for office building projects, excluding landscape architecture	11 906	14 555 977	2 824 902	19.4	11.1	X
	34102	Architectural services for retail and restaurant building projects, excluding landscape architecture	9 592	9 639 840	1 691 340	17.5	6.7	X
	34103	Architectural services for hotels and convention centers, excluding landscape architecture	2 501	5 226 694	679 264	13.0	2.7	X
	34104	Architectural services for hospital and health care building projects, excluding landscape architecture	6 183	10 728 120	2 695 960	25.1	10.6	X
	34105	Architectural services for entertainment, recreational, and cultural building projects, excluding landscape architecture	6 588	10 495 505	1 469 284	14.0	5.8	X
	34106	Architectural services for educational building projects, excluding landscape architecture	9 428	16 672 264	4 944 897	29.7	19.5	X
	34107	Architectural services for industrial building projects, excluding landscape architecture	5 777	6 070 739	710 909	11.7	2.8	X
	34108	Architectural services for transportation and distribution facility projects, excluding landscape architecture	2 187	5 174 894	640 709	12.4	2.5	X
	34109	Architectural services for other non-residential building projects, excluding landscape architecture	8 745	12 173 430	2 529 372	20.8	10.0	X
	34110	Architectural services for historic restoration projects, excluding landscape architecture	2 452	3 048 498	258 263	8.5	1.0	X
	34120	Architectural advisory services, including expert witness testimony, excluding landscape architecture	1 845	1 764 013	95 803	5.4	.4	X
	34130	Landscape architectural services for residential building projects	413	920 277	39 285	4.3	.2	74.4
	34131	Landscape architectural services for single-family residential projects	272	356 147	20 214	5.7	.1	X
	34132	Landscape architectural services for multi-family residential projects	163	501 275	12 570	2.5	.1	X
	34133	Landscape architectural services for residential subdivision projects	88	288 258	6 501	2.3	Z	X
	34140	Landscape architectural services for non-residential building projects	709	2 345 174	98 845	4.2	.4	75.7
	34141	Landscape architectural services for corporate building projects	254	1 204 857	31 219	2.6	.1	X
	34142	Landscape architectural services for hotels, convention centers, stadiums, and arenas	89	356 396	7 633	2.1	Z	X
	34143	Landscape architectural services for educational building projects	287	1 164 848	30 408	2.6	.1	X
	34144	Landscape architectural services for other non-residential building projects	429	1 176 715	29 585	2.5	.1	X
	34150	Landscape architectural services for recreational and open space projects	205	552 775	25 345	4.6	.1	X
	34160	Landscape architectural advisory services including expert witness testimony	37	17 235	507	2.9	Z	X
	34170	Urban planning services	897	2 482 797	158 658	6.4	.6	74.3
	34171	Development of comprehensive urban plans	280	1 342 349	67 433	5.0	.3	X
	34172	Development of urban plans for communities	531	1 201 922	59 025	4.9	.2	X
	34173	Development of urban plan elements	331	981 872	32 200	3.3	.1	X
	34180	Urban planning advisory services including expert witness testimony	124	85 920	4 309	5.0	Z	X
	34190	Landscape architectural projects - specific elements	57	226 838	5 069	2.2	Z	X
	34310	Project management services	714	1 783 022	208 587	11.7	.8	X
	34320	Construction management services	828	1 578 234	583 183	37.0	2.3	X
	34550	Training services	49	23 317	2 535	10.9	Z	X
	34560	Interior design services	3 626	7 950 477	856 652	10.8	3.4	X
	35830	Landscape architectural services: Project site master plans for residential building projects	250	408 055	16 981	4.2	.1	X
	35840	Landscape architectural services: Project site master plans for non-residential building projects	581	1 355 451	58 546	4.3	.2	X
	35850	Landscape architectural services: Project site master plans for recreational and open-space projects	158	387 525	18 248	4.7	.1	X
	36920	Engineering services, not specified by type	1 294	4 186 489	725 621	17.3	2.9	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	143	418 193	21 543	5.2	.1	X
	36940	Geophysical surveying services, not specified by type	42	112 278	2 281	2.0	Z	X
	36950	Research and development services, not specified by type	280	992 511	55 251	5.6	Z	X
	39000	Merchandise sales	504	346 973	41 819	12.1	.2	78.1
	39045	Sale of merchandise, not specified by type	504	346 973	41 819	12.1	.2	X
	39500	All other receipts	998	1 732 585	243 310	14.0	1.0	78.1
	39541	All other operating receipts, not specified by type	998	1 732 585	243 310	14.0	1.0	X
54132		Landscape architectural services	6 225	X	3 568 814	X	100.0	45.3

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
54132		Landscape architectural services—Con.						
	34090	Architectural services for residential building projects, excluding landscape architecture	109	98 392	17 773	18.1	.5	45.3
	34091	Architectural services for single-family residential projects, excluding landscape architecture	106	94 302	15 471	16.4	.4	X
	34092	Architectural services for multi-family residential projects, excluding landscape architecture	31	21 006	2 302	11.0	.1	X
	34100	Architectural services for non-residential building projects, excluding landscape architecture	134	132 046	30 513	23.1	.9	44.7
	34101	Architectural services for office building projects, excluding landscape architecture	45	54 064	6 935	12.8	.2	X
	34102	Architectural services for retail and restaurant building projects, excluding landscape architecture	13	40 250	2 346	5.8	.1	X
	34103	Architectural services for hotels and convention centers, excluding landscape architecture	26	36 661	2 165	5.9	.1	X
	34104	Architectural services for hospital and health care building projects, excluding landscape architecture	6	23 553	396	1.7	Z	X
	34105	Architectural services for entertainment, recreational, and cultural building projects, excluding landscape architecture	70	94 363	4 326	4.6	.1	X
	34106	Architectural services for educational building projects, excluding landscape architecture	26	36 807	1 423	3.9	Z	X
	34107	Architectural services for industrial building projects, excluding landscape architecture	13	13 277	923	7.0	Z	X
	34108	Architectural services for transportation and distribution facility projects, excluding landscape architecture	29	27 792	2 715	9.8	.1	X
	34109	Architectural services for other non-residential building projects, excluding landscape architecture	48	68 079	9 284	13.6	.3	X
	34110	Architectural services for historic restoration projects, excluding landscape architecture	34	34 189	1 535	4.5	Z	X
	34120	Architectural advisory services, including expert witness testimony, excluding landscape architecture	37	39 899	1 428	3.6	Z	X
	34130	Landscape architectural services for residential building projects	4 820	2 864 758	1 487 340	51.9	41.7	39.8
	34131	Landscape architectural services for single-family residential projects	4 021	2 179 737	1 020 245	46.8	28.6	X
	34132	Landscape architectural services for multi-family residential projects	1 673	1 272 669	149 045	11.7	4.2	X
	34133	Landscape architectural services for residential subdivision projects	2 024	1 421 378	318 050	22.4	8.9	X
	34140	Landscape architectural services for non-residential building projects	3 693	2 220 516	723 184	32.6	20.3	43.5
	34141	Landscape architectural services for corporate building projects	2 207	1 550 053	222 292	14.3	6.2	X
	34142	Landscape architectural services for hotels, convention centers, stadiums, and arenas	1 061	821 680	98 953	12.0	2.8	X
	34143	Landscape architectural services for educational building projects	1 829	1 428 414	190 899	13.4	5.3	X
	34144	Landscape architectural services for other non-residential building projects	2 607	1 472 824	211 040	14.3	5.9	X
	34150	Landscape architectural services for recreational and open space projects ..	2 062	1 462 143	302 279	20.7	8.5	X
	34160	Landscape architectural advisory services including expert witness testimony	459	212 844	18 058	8.5	.5	X
	34170	Urban planning services	925	967 291	272 372	28.2	7.6	41.9
	34171	Development of comprehensive urban plans	488	660 476	139 143	21.1	3.9	X
	34172	Development of urban plans for communities	434	600 697	79 989	13.3	2.2	X
	34173	Development of urban plan elements	463	432 737	53 240	12.3	1.5	X
	34180	Urban planning advisory services including expert witness testimony	112	91 611	35 724	39.0	1.0	X
	34190	Landscape architectural services - specific elements	806	462 804	142 360	30.8	4.0	X
	34310	Project management services	259	95 038	12 419	13.1	.3	X
	34320	Construction management services	128	96 965	14 632	15.1	.4	X
	34550	Training services	41	13 490	1 499	11.1	Z	X
	34560	Interior design services	9	25 910	5 425	20.9	.2	X
	35830	Landscape architectural services: Project site master plans for residential building projects	1 281	791 741	119 305	15.1	3.3	X
	35840	Landscape architectural services: Project site master plans for non-residential building projects	1 040	699 238	53 960	7.7	1.5	X
	35850	Landscape architectural services: Project site master plans for recreational and open-space projects	1 181	843 882	109 741	13.0	3.1	X
	36920	Engineering services, not specified by type	131	244 963	45 217	18.5	1.3	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	47	51 998	3 390	6.5	.1	X
	36940	Geophysical surveying services, not specified by type	19	19 664	571	2.9	Z	X
	36950	Research and development services, not specified by type	59	68 593	7 994	11.7	.2	X
	39000	Merchandise sales	309	160 561	37 365	23.3	1.0	42.2
	39045	Sale of merchandise, not specified by type	309	160 561	37 365	23.3	1.0	X
	39500	All other receipts	394	544 030	124 730	22.9	3.5	45.1
	39541	All other operating receipts, not specified by type	394	544 030	124 730	22.9	3.5	X
541320		Landscape architectural services	6 225	X	3 568 814	X	100.0	45.3
	34090	Architectural services for residential building projects, excluding landscape architecture	109	98 392	17 773	18.1	.5	45.3
	34091	Architectural services for single-family residential projects, excluding landscape architecture	106	94 302	15 471	16.4	.4	X
	34092	Architectural services for multi-family residential projects, excluding landscape architecture	31	21 006	2 302	11.0	.1	X
	34100	Architectural services for non-residential building projects, excluding landscape architecture	134	132 046	30 513	23.1	.9	44.7
	34101	Architectural services for office building projects, excluding landscape architecture	45	54 064	6 935	12.8	.2	X
	34102	Architectural services for retail and restaurant building projects, excluding landscape architecture	13	40 250	2 346	5.8	.1	X
	34103	Architectural services for hotels and convention centers, excluding landscape architecture	26	36 661	2 165	5.9	.1	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

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2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
541320		Landscape architectural services—Con.						
	34100	Architectural services for non-residential building projects, excluding landscape architecture—Con.						
	34104	Architectural services for hospital and health care building projects, excluding landscape architecture	6	23 553	396	1.7	Z	X
	34105	Architectural services for entertainment, recreational, and cultural building projects, excluding landscape architecture	70	94 363	4 326	4.6	.1	X
	34106	Architectural services for educational building projects, excluding landscape architecture	26	36 807	1 423	3.9	Z	X
	34107	Architectural services for industrial building projects, excluding landscape architecture	13	13 277	923	7.0	Z	X
	34108	Architectural services for transportation and distribution facility projects, excluding landscape architecture	29	27 792	2 715	9.8	.1	X
	34109	Architectural services for other non-residential building projects, excluding landscape architecture	48	68 079	9 284	13.6	.3	X
	34110	Architectural services for historic restoration projects, excluding landscape architecture	34	34 189	1 535	4.5	Z	X
	34120	Architectural advisory services, including expert witness testimony, excluding landscape architecture	37	39 899	1 428	3.6	Z	X
	34130	Landscape architectural services for residential building projects	4 820	2 864 758	1 487 340	51.9	41.7	39.8
	34131	Landscape architectural services for single-family residential projects	4 021	2 179 737	1 020 245	46.8	28.6	X
	34132	Landscape architectural services for multi-family residential projects	1 673	1 272 669	149 045	11.7	4.2	X
	34133	Landscape architectural services for residential subdivision projects	2 024	1 421 378	318 050	22.4	8.9	X
	34140	Landscape architectural services for non-residential building projects	3 693	2 220 516	723 184	32.6	20.3	43.5
	34141	Landscape architectural services for corporate building projects	2 207	1 550 053	222 292	14.3	6.2	X
	34142	Landscape architectural services for hotels, convention centers, stadiums, and arenas	1 061	821 680	98 953	12.0	2.8	X
	34143	Landscape architectural services for educational building projects	1 829	1 428 414	190 899	13.4	5.3	X
	34144	Landscape architectural services for other non-residential building projects	2 607	1 472 824	211 040	14.3	5.9	X
	34150	Landscape architectural services for recreational and open space projects	2 062	1 462 143	302 279	20.7	8.5	X
	34160	Landscape architectural advisory services including expert witness testimony	459	212 844	18 058	8.5	.5	X
	34170	Urban planning services	925	967 291	272 372	28.2	7.6	41.9
	34171	Development of comprehensive urban plans	488	660 476	139 143	21.1	3.9	X
	34172	Development of urban plans for communities	434	600 697	79 989	13.3	2.2	X
	34173	Development of urban plan elements	463	432 737	53 240	12.3	1.5	X
	34180	Urban planning advisory services including expert witness testimony	112	91 611	35 724	39.0	1.0	X
	34190	Landscape architectural projects - specific elements	806	462 804	142 360	30.8	4.0	X
	34310	Project management services	259	95 038	12 419	13.1	.3	X
	34320	Construction management services	128	96 965	14 632	15.1	.4	X
	34550	Training services	41	13 490	1 499	11.1	Z	X
	34560	Interior design services	9	25 910	5 425	20.9	.2	X
	35830	Landscape architectural services: Project site master plans for residential building projects	1 281	791 741	119 305	15.1	3.3	X
	35840	Landscape architectural services: Project site master plans for non-residential building projects	1 040	699 238	53 960	7.7	1.5	X
	35850	Landscape architectural services: Project site master plans for recreational and open-space projects	1 181	843 882	109 741	13.0	3.1	X
	36920	Engineering services, not specified by type	131	244 963	45 217	18.5	1.3	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	47	51 998	3 390	6.5	.1	X
	36940	Geophysical surveying services, not specified by type	19	19 664	571	2.9	Z	X
	36950	Research and development services, not specified by type	59	68 593	7 994	11.7	.2	X
	39000	Merchandise sales	309	160 561	37 365	23.3	1.0	42.2
	39045	Sale of merchandise, not specified by type	309	160 561	37 365	23.3	1.0	X
	39500	All other receipts	394	544 030	124 730	22.9	3.5	45.1
	39541	All other operating receipts, not specified by type	394	544 030	124 730	22.9	3.5	X
54133		Engineering services	55 229	X	116 525 315	X	100.0	63.2
	34200	Building engineering projects: Engineering services for residential building projects	18 441	24 693 111	8 320 626	33.7	7.1	57.5
	34201	Engineering services for new residential building projects	17 030	22 419 122	6 736 711	30.0	5.8	X
	34202	Engineering services for residential building renovation projects	9 016	10 404 442	1 583 915	15.2	1.4	X
	34210	Building engineering projects: Engineering services for commercial, public, and institutional building projects	25 356	39 174 435	14 672 107	37.5	12.6	61.9
	34211	Engineering services for new commercial, public, and institutional building projects	22 707	34 858 196	10 175 987	29.2	8.7	X
	34212	Engineering services for commercial, public, and institutional building renovation projects	15 963	22 146 092	4 496 120	20.3	3.9	X
	34220	Industrial engineering projects: Engineering services for industrial and manufacturing plant and process projects	13 029	27 802 294	12 502 755	45.0	10.7	61.5
	34222	Engineering services for mining and metallurgical plant and process projects	2 414	4 041 626	737 935	18.3	.6	X
	34223	Engineering services for petroleum and petrochemical plant and process projects	2 546	10 025 074	4 064 666	40.5	3.5	X
	34224	Engineering services for pharmaceutical plant and process projects	1 607	5 251 176	1 182 832	22.5	1.0	X
	34225	Engineering services for pulp and paper plant and process projects	1 363	3 892 511	756 809	19.4	.6	X
	34226	Engineering services for microelectronic plant and process projects	1 041	2 432 681	492 329	20.2	.4	X
	34227	Engineering services for textile and clothing plant and process projects	416	2 073 752	30 794	1.5	Z	X
	34228	Engineering services for iron and steel plant and process projects	558	1 886 111	459 549	24.4	.4	X
	34229	Engineering services for other industrial and manufacturing projects	8 087	17 650 172	4 692 091	26.6	4.0	X
	34230	Industrial engineering projects: Engineering design services for industrial and manufactured products	4 058	6 748 046	4 699 921	69.6	4.0	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

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2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
54133		Engineering services—Con.						
	34240	Infrastructure engineering projects: Engineering services for transportation projects	15 718	39 574 382	15 182 488	38.4	13.0	62.9
	34241	Highway and roadway projects	13 137	32 863 690	9 352 727	28.5	8.0	X
	34242	Mass transit projects	2 477	14 507 940	2 783 060	19.2	2.4	X
	34243	All other transportation projects including aviation, railway, and marine	5 041	18 445 188	3 046 624	16.5	2.6	X
	34250	Infrastructure engineering projects: Engineering services for municipal utility projects	13 737	32 384 789	7 878 905	24.3	6.8	62.6
	34251	Water collection, distribution, treatment, and disposal projects	11 224	26 166 910	4 571 970	17.5	3.9	X
	34252	Municipal waste collection and disposal projects	6 990	16 653 230	2 053 558	12.3	1.8	X
	34253	Other municipal utility projects	5 362	12 238 536	1 253 377	10.2	1.1	X
	34260	Infrastructure engineering projects: Engineering services for power generation and distribution projects	4 854	20 868 777	11 382 449	54.5	9.8	62.4
	34261	Fossil fuel power generating unit projects	2 024	11 854 926	5 190 676	43.8	4.5	X
	34262	Hydro power generating unit projects	1 119	4 177 094	201 585	4.8	.2	X
	34263	Nuclear power generating unit projects	529	8 224 176	3 479 536	42.3	3.0	X
	34264	Other power generating projects	1 031	5 021 654	1 569 655	31.3	1.3	X
	34265	Power transmission and distribution projects	2 030	7 329 949	940 997	12.8	.8	X
	34270	Infrastructure engineering projects: Engineering services for telecommunications and broadcasting projects	4 998	12 526 148	4 438 132	35.4	3.8	61.6
	34271	Wireless network projects, including direct broadcast satellite TV and radio systems	2 497	7 180 740	1 705 779	23.8	1.5	X
	34272	Wired telephone system projects	1 731	3 620 808	948 863	26.2	.8	X
	34273	Cable television system projects	427	727 143	194 832	26.8	.2	X
	34274	Television and radio broadcasting system projects, excludes direct broadcast satellite systems	413	421 755	69 856	16.6	.1	X
	34275	Other telecommunications and broadcasting	1 715	7 117 357	1 518 802	21.3	1.3	X
	34280	Engineering services for hazardous and industrial waste projects	4 890	18 948 472	5 103 038	26.9	4.4	62.4
	34281	Industrial waste collection, treatment, and disposal projects	2 318	9 694 986	1 532 442	15.8	1.3	X
	34282	Hazardous waste remediation projects	3 592	13 865 544	3 570 596	25.8	3.1	X
	34290	Engineering services for all other projects	6 136	25 585 843	16 892 336	66.0	14.5	X
	34300	Engineering advisory and consulting services, performed independently of an engineering project	6 077	10 418 696	2 972 317	28.5	2.6	X
	34310	Project management services	3 583	11 428 831	1 400 720	12.3	1.2	X
	34320	Construction management services	4 204	14 435 990	3 216 425	22.3	2.8	X
	34550	Training services	1 267	3 977 773	213 886	5.4	.2	X
	35150	Computer systems design, development, and integration services	843	2 611 939	233 647	8.9	.2	62.1
	35151	Computer systems design services	843	2 611 939	233 647	8.9	.2	X
	36900	Architectural services, excluding landscape architecture, not specified by type	1 208	5 179 706	580 049	11.2	.5	X
	36910	Landscape architectural services, not specified by type	1 538	5 517 968	298 743	5.4	.3	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	7 547	15 436 827	2 448 063	15.9	2.1	X
	36940	Geophysical surveying services, not specified by type	581	1 643 650	99 968	6.1	.1	X
	36950	Research and development services, not specified by type	1 492	1 719 673	356 167	20.7	.3	X
	37000	Building inspection services: Home inspection services	1 873	1 908 680	147 627	7.7	.1	61.5
	37001	Home inspection services, except pest inspection and new home construction	1 214	1 395 245	83 159	6.0	.1	X
	37002	Combined home and pest inspection	10	13 991	614	4.4	Z	X
	37003	New home construction inspection services	1 110	1 073 957	63 854	5.9	.1	X
	37010	Building inspection services: Commercial building inspection services	2 066	2 737 479	242 946	8.9	.2	X
	37030	Building inspection services: Environmental hazard detection services	2 284	4 750 776	516 116	10.9	.4	60.5
	37031	Lead-based paint inspection services	899	1 809 571	34 921	1.9	Z	X
	37032	Radon inspection services	198	413 508	4 614	1.1	Z	X
	37033	Asbestos inspection services	1 187	2 429 119	91 632	3.8	.1	X
	37034	Water quality inspection services	998	2 110 960	82 162	3.9	.1	X
	37035	Carbon monoxide and carbon dioxide inspection services	52	93 590	2 689	2.9	Z	X
	37036	Indoor air quality inspection services	748	1 822 825	84 092	4.6	.1	X
	37037	Underground fuel tank inspection services	1 000	2 458 242	96 948	3.9	.1	X
	37038	Other environmental hazard detection services	417	1 018 329	119 058	11.7	.1	X
	37040	Building inspection services: Specific element, system, or site feature inspection services	4 295	5 957 360	563 776	9.5	.5	60.2
	37041	Structural component inspection services	2 524	3 122 729	170 595	5.5	.1	X
	37042	Electrical inspection services	700	1 247 352	45 609	3.7	Z	X
	37043	Heating system inspection services	462	1 167 345	33 386	2.9	Z	X
	37044	Cooling system inspection services	634	1 059 636	30 957	2.9	Z	X
	37045	Septic system inspection services	582	521 507	14 162	2.7	Z	X
	37046	Exterior inspection services	298	642 918	28 995	4.5	Z	X
	37047	Roofing inspection services	827	852 439	77 672	9.1	.1	X
	37048	Moisture intrusion analysis services	271	540 392	29 919	5.5	Z	X
	37049	Recreational facilities inspection services	512	664 067	9 477	1.4	Z	X
	37051	Other specific element inspection services	595	958 480	123 004	12.8	.1	X
	39000	Merchandise sales	1 049	2 387 594	610 272	25.6	.5	62.7
	39046	Sale of merchandise, not specified by type	1 049	2 387 594	610 272	25.6	.5	X
	39500	All other receipts	3 170	12 633 090	1 551 836	12.3	1.3	61.3
	39542	All other operating receipts, not specified by type	3 170	12 633 090	1 551 836	12.3	1.3	X
541330		Engineering services	55 229	X	116 525 315	X	100.0	63.2
	34200	Building engineering projects: Engineering services for residential building projects	18 441	24 693 111	8 320 626	33.7	7.1	57.5
	34201	Engineering services for new residential building projects	17 030	22 419 122	6 736 711	30.0	5.8	X
	34202	Engineering services for residential building renovation projects	9 016	10 404 442	1 583 915	15.2	1.4	X

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2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
541330		Engineering services—Con.						
	34210	Building engineering projects: Engineering services for commercial, public, and institutional building projects	25 356	39 174 435	14 672 107	37.5	12.6	61.9
	34211	Engineering services for new commercial, public, and institutional building projects	22 707	34 858 196	10 175 987	29.2	8.7	X
	34212	Engineering services for commercial, public, and institutional building renovation projects	15 963	22 146 092	4 496 120	20.3	3.9	X
	34220	Industrial engineering projects: Engineering services for industrial and manufacturing plant and process projects	13 029	27 802 294	12 502 755	45.0	10.7	61.5
	34222	Engineering services for mining and metallurgical plant and process projects	2 414	4 041 626	737 935	18.3	.6	X
	34223	Engineering services for petroleum and petrochemical plant and process projects	2 546	10 025 074	4 064 666	40.5	3.5	X
	34224	Engineering services for pharmaceutical plant and process projects	1 607	5 251 176	1 182 832	22.5	1.0	X
	34225	Engineering services for pulp and paper plant and process projects	1 363	3 892 511	756 809	19.4	.6	X
	34226	Engineering services for microelectronic plant and process projects	1 041	2 432 681	492 329	20.2	.4	X
	34227	Engineering services for textile and clothing plant and process projects	416	2 073 752	30 794	1.5	Z	X
	34228	Engineering services for iron and steel plant and process projects	558	1 886 111	459 549	24.4	.4	X
	34229	Engineering services for other industrial and manufacturing projects	8 087	17 650 172	4 692 091	26.6	4.0	X
	34230	Industrial engineering projects: Engineering design services for industrial and manufactured products	4 058	6 748 046	4 699 921	69.6	4.0	X
	34240	Infrastructure engineering projects: Engineering services for transportation projects	15 718	39 574 382	15 182 488	38.4	13.0	62.9
	34241	Highway and roadway projects	13 137	32 863 690	9 352 727	28.5	8.0	X
	34242	Mass transit projects	2 477	14 507 940	2 783 060	19.2	2.4	X
	34243	All other transportation projects including aviation, railway, and marine	5 041	18 445 188	3 046 624	16.5	2.6	X
	34250	Infrastructure engineering projects: Engineering services for municipal utility projects	13 737	32 384 789	7 878 905	24.3	6.8	62.6
	34251	Water collection, distribution, treatment, and disposal projects	11 224	26 166 910	4 571 970	17.5	3.9	X
	34252	Municipal waste collection and disposal projects	6 990	16 653 230	2 053 558	12.3	1.8	X
	34253	Other municipal utility projects	5 362	12 238 536	1 253 377	10.2	1.1	X
	34260	Infrastructure engineering projects: Engineering services for power generation and distribution projects	4 854	20 868 777	11 382 449	54.5	9.8	62.4
	34261	Fossil fuel power generating unit projects	2 024	11 854 926	5 190 676	43.8	4.5	X
	34262	Hydro power generating unit projects	1 119	4 177 094	201 585	4.8	.2	X
	34263	Nuclear power generating unit projects	529	8 224 176	3 479 536	42.3	3.0	X
	34264	Other power generating projects	1 031	5 021 654	1 569 655	31.3	1.3	X
	34265	Power transmission and distribution projects	2 030	7 329 949	940 997	12.8	.8	X
	34270	Infrastructure engineering projects: Engineering services for telecommunications and broadcasting projects	4 998	12 526 148	4 438 132	35.4	3.8	61.6
	34271	Wireless network projects, including direct broadcast satellite TV and radio systems	2 497	7 180 740	1 705 779	23.8	1.5	X
	34272	Wired telephone system projects	1 731	3 620 808	948 863	26.2	.8	X
	34273	Cable television system projects	427	727 143	194 832	26.8	.2	X
	34274	Television and radio broadcasting system projects, excludes direct broadcast satellite systems	413	421 755	69 856	16.6	.1	X
	34275	Other telecommunications and broadcasting	1 715	7 117 357	1 518 802	21.3	1.3	X
	34280	Engineering services for hazardous and industrial waste projects	4 890	18 948 472	5 103 038	26.9	4.4	62.4
	34281	Industrial waste collection, treatment, and disposal projects	2 318	9 694 986	1 532 442	15.8	1.3	X
	34282	Hazardous waste remediation projects	3 592	13 865 544	3 570 596	25.8	3.1	X
	34290	Engineering services for all other projects	6 136	25 585 843	16 892 336	66.0	14.5	X
	34300	Engineering advisory and consulting services, performed independently of an engineering project	6 077	10 418 696	2 972 317	28.5	2.6	X
	34310	Project management services	3 583	11 428 831	1 400 720	12.3	1.2	X
	34320	Construction management services	4 204	14 435 990	3 216 425	22.3	2.8	X
	34550	Training services	1 267	3 977 773	213 886	5.4	.2	X
	35150	Computer systems design, development, and integration services	843	2 611 939	233 647	8.9	.2	62.1
	35151	Computer systems design services	843	2 611 939	233 647	8.9	.2	X
	36900	Architectural services, excluding landscape architecture, not specified by type	1 208	5 179 706	580 049	11.2	.5	X
	36910	Landscape architectural services, not specified by type	1 538	5 517 968	298 743	5.4	.3	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	7 547	15 436 827	2 448 063	15.9	2.1	X
	36940	Geophysical surveying services, not specified by type	581	1 643 650	99 968	6.1	.1	X
	36950	Research and development services, not specified by type	1 492	1 719 673	356 167	20.7	.3	X
	37000	Building inspection services: Home inspection services	1 873	1 908 680	147 627	7.7	.1	61.5
	37001	Home inspection services, except pest inspection and new home construction	1 214	1 395 245	83 159	6.0	.1	X
	37002	Combined home and pest inspection	10	13 991	614	4.4	Z	X
	37003	New home construction inspection services	1 110	1 073 957	63 854	5.9	.1	X
	37010	Building inspection services: Commercial building inspection services	2 066	2 737 479	242 946	8.9	.2	X
	37030	Building inspection services: Environmental hazard detection services	2 284	4 750 776	516 116	10.9	.4	60.5
	37031	Lead-based paint inspection services	899	1 809 571	34 921	1.9	Z	X
	37032	Radon inspection services	198	413 508	4 614	1.1	Z	X
	37033	Asbestos inspection services	1 187	2 429 119	91 632	3.8	.1	X
	37034	Water quality inspection services	998	2 110 960	82 162	3.9	.1	X
	37035	Carbon monoxide and carbon dioxide inspection services	52	93 590	2 689	2.9	Z	X
	37036	Indoor air quality inspection services	748	1 822 825	84 092	4.6	.1	X
	37037	Underground fuel tank inspection services	1 000	2 458 242	96 948	3.9	.1	X
	37038	Other environmental hazard detection services	417	1 018 329	119 058	11.7	.1	X
	37040	Building inspection services: Specific element, system, or site feature inspection services	4 295	5 957 360	563 776	9.5	.5	60.2
	37041	Structural component inspection services	2 524	3 122 729	170 595	5.5	.1	X
	37042	Electrical inspection services	700	1 247 352	45 609	3.7	Z	X
	37043	Heating system inspection services	462	1 167 345	33 386	2.9	Z	X
	37044	Cooling system inspection services	634	1 059 636	30 957	2.9	Z	X

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						Establishments with the product line	All establishments ¹	
541330		Engineering services—Con.						
	37040	Building inspection services: Specific element, system, or site feature inspection services—Con.						
	37045	Septic system inspection services	582	521 507	14 162	2.7	Z	X
	37046	Exterior inspection services	298	642 918	28 995	4.5	Z	X
	37047	Roofing inspection services	827	852 439	77 672	9.1	.1	X
	37048	Moisture intrusion analysis services	271	540 392	29 919	5.5	Z	X
	37049	Recreational facilities inspection services	512	664 067	9 477	1.4	Z	X
	37051	Other specific element inspection services	595	958 480	123 004	12.8	.1	X
	39000	Merchandise sales	1 049	2 387 594	610 272	25.6	.5	62.7
	39046	Sale of merchandise, not specified by type	1 049	2 387 594	610 272	25.6	.5	X
	39500	All other receipts	3 170	12 633 090	1 551 836	12.3	1.3	61.3
	39542	All other operating receipts, not specified by type	3 170	12 633 090	1 551 836	12.3	1.3	X
54134		Drafting services	2 674	X	731 682	X	100.0	62.0
	34170	Urban planning services	21	4 712	241	5.1	Z	X
	34560	Interior design services	68	14 297	4 500	31.5	.6	62.0
	34561	Fees	62	13 602	3 234	23.8	.4	X
	34563	Income from subcontracted work	38	6 184	429	6.9	.1	X
	34570	Industrial design services	97	28 126	7 346	26.1	1.0	X
	34600	Graphic design services	38	19 916	3 980	20.0	.5	X
	34610	Golf course design services	6	878	7	.8	Z	X
	34630	Specialized design services	27	10 046	3 622	36.1	.5	X
	36750	Photography services, including commercial photography	49	8 319	988	11.9	.1	X
	37100	Drafting services: Mechanical drafting services	550	183 557	127 393	69.4	17.4	59.3
	37101	Machine drafting services	235	86 321	49 485	57.3	6.8	X
	37102	Mechanical systems drafting services	193	73 214	27 733	37.9	3.8	X
	37103	Mechanical flow diagram drafting services	64	32 567	2 461	7.6	.3	X
	37104	Industrial machinery and equipment layout drafting services	223	66 973	47 714	71.2	6.5	X
	37110	Drafting services: Process piping systems drafting	142	49 842	14 048	28.2	1.9	X
	37120	Drafting services: Electrical and electronic drafting services	207	60 759	15 263	25.1	2.1	X
	37130	Drafting services: Site drafting services for civil engineering projects	154	39 489	14 831	37.6	2.0	X
	37140	Drafting services: Structural drafting services for civil engineering projects ..	146	43 659	11 590	26.5	1.6	X
	37150	Drafting services: Structural drafting services for buildings	383	93 589	42 430	45.3	5.8	X
	37160	Drafting services: Steel detailing drafting services	725	215 327	181 860	84.5	24.9	X
	37170	Drafting services: Other engineering drafting services	194	56 705	23 165	40.9	3.2	X
	37180	Drafting services: Architectural drafting services	738	131 147	83 061	63.3	11.4	X
	37190	Drafting services: Display and presentation drafting services	89	20 194	12 314	61.0	1.7	X
	37200	Drafting services: Patent drawing and trademark illustration services	40	12 409	1 932	15.6	.3	X
	37210	Drafting services: Drafting of as-built drawings	311	89 170	25 192	28.3	3.4	X
	37220	Drafting services: Checking and revision services	207	44 230	3 000	6.8	.4	X
	37230	Drafting services: Drafting consulting services	233	44 150	4 683	10.6	.6	X
	37240	Drafting services: Drafting training services	76	15 190	468	3.1	.1	X
	37250	Drafting services: Other drafting services	605	189 074	135 654	71.7	18.5	48.3
	37251	Interior design drafting services	86	21 613	12 614	58.4	1.7	X
	37252	Landscape design drafting services	80	18 541	1 702	9.2	.2	X
	37253	All other drafting services	470	155 203	121 338	78.2	16.6	X
	37260	Plotting and printing services for technical drawings	224	45 701	5 883	12.9	.8	X
	37270	Conversion services for technical drawings	93	29 158	2 166	7.4	.3	X
	39000	Merchandise sales	21	9 109	1 317	14.5	.2	62.0
	39048	Sales of merchandise, not specified by type	21	9 109	1 317	14.5	.2	X
	39500	All other receipts	99	19 602	4 368	22.3	.6	62.0
	39544	All other operating receipts	99	19 602	4 368	22.3	.6	X
541340		Drafting services	2 674	X	731 682	X	100.0	62.0
	34170	Urban planning services	21	4 712	241	5.1	Z	X
	34560	Interior design services	68	14 297	4 500	31.5	.6	62.0
	34561	Fees	62	13 602	3 234	23.8	.4	X
	34563	Income from subcontracted work	38	6 184	429	6.9	.1	X
	34570	Industrial design services	97	28 126	7 346	26.1	1.0	X
	34600	Graphic design services	38	19 916	3 980	20.0	.5	X
	34610	Golf course design services	6	878	7	.8	Z	X
	34630	Specialized design services	27	10 046	3 622	36.1	.5	X
	36750	Photography services, including commercial photography	49	8 319	988	11.9	.1	X
	37100	Drafting services: Mechanical drafting services	550	183 557	127 393	69.4	17.4	59.3
	37101	Machine drafting services	235	86 321	49 485	57.3	6.8	X
	37102	Mechanical systems drafting services	193	73 214	27 733	37.9	3.8	X
	37103	Mechanical flow diagram drafting services	64	32 567	2 461	7.6	.3	X
	37104	Industrial machinery and equipment layout drafting services	223	66 973	47 714	71.2	6.5	X
	37110	Drafting services: Process piping systems drafting	142	49 842	14 048	28.2	1.9	X
	37120	Drafting services: Electrical and electronic drafting services	207	60 759	15 263	25.1	2.1	X
	37130	Drafting services: Site drafting services for civil engineering projects	154	39 489	14 831	37.6	2.0	X
	37140	Drafting services: Structural drafting services for civil engineering projects ..	146	43 659	11 590	26.5	1.6	X
	37150	Drafting services: Structural drafting services for buildings	383	93 589	42 430	45.3	5.8	X
	37160	Drafting services: Steel detailing drafting services	725	215 327	181 860	84.5	24.9	X
	37170	Drafting services: Other engineering drafting services	194	56 705	23 165	40.9	3.2	X
	37180	Drafting services: Architectural drafting services	738	131 147	83 061	63.3	11.4	X
	37190	Drafting services: Display and presentation drafting services	89	20 194	12 314	61.0	1.7	X
	37200	Drafting services: Patent drawing and trademark illustration services	40	12 409	1 932	15.6	.3	X
	37210	Drafting services: Drafting of as-built drawings	311	89 170	25 192	28.3	3.4	X
	37220	Drafting services: Checking and revision services	207	44 230	3 000	6.8	.4	X
	37230	Drafting services: Drafting consulting services	233	44 150	4 683	10.6	.6	X
	37240	Drafting services: Drafting training services	76	15 190	468	3.1	.1	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

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2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
541340		Drafting services—Con.						
	37250	Drafting services: Other drafting services	605	189 074	135 654	71.7	18.5	48.3
	37251	Interior design drafting services	86	21 613	12 614	58.4	1.7	X
	37252	Landscape design drafting services	80	18 541	1 702	9.2	.2	X
	37253	All other drafting services	470	155 203	121 338	78.2	16.6	X
	37260	Plotting and printing services for technical drawings	224	45 701	5 883	12.9	.8	X
	37270	Conversion services for technical drawings	93	29 158	2 166	7.4	.3	X
	39000	Merchandise sales	21	9 109	1 317	14.5	.2	62.0
	39048	Sales of merchandise, not specified by type	21	9 109	1 317	14.5	.2	X
	39500	All other receipts	99	19 602	4 368	22.3	.6	62.0
	39544	All other operating receipts	99	19 602	4 368	22.3	.6	X
54135		Building inspection services	4 074	X	1 311 646	X	100.0	56.6
	34200	Building engineering projects: Engineering services for residential building projects	294	103 856	24 672	23.8	1.9	56.3
	34201	Engineering services for new residential building projects	283	102 305	10 528	10.3	.8	X
	34202	Engineering services for residential building renovation projects	279	70 799	14 144	20.0	1.1	X
	34210	Building engineering projects: Engineering services for commercial, public, and institutional building projects	275	104 250	28 804	27.6	2.2	56.6
	34211	Engineering services for new commercial, public, and institutional building projects	62	55 633	16 669	30.0	1.3	X
	34212	Engineering services for commercial, public, and institutional building renovation projects	244	81 312	12 135	14.9	.9	X
	34220	Industrial engineering projects: Engineering services for industrial and manufacturing plant and process projects	42	33 211	1 259	3.8	.1	56.2
	34222	Engineering services for mining and metallurgical plant and process projects	28	13 205	665	5.0	.1	X
	34229	Engineering services for other industrial and manufacturing projects	9	13 920	480	3.4	Z	X
	34240	Infrastructure engineering projects: Engineering services for transportation projects	44	38 877	6 020	15.5	.5	56.6
	34241	Highway and roadway projects	42	34 989	4 591	13.1	.4	X
	34242	Mass transit projects	26	13 122	1 312	10.0	.1	X
	34250	Infrastructure engineering projects: Engineering services for municipal utility projects	37	30 968	1 600	5.2	.1	56.6
	34251	Water collection, distribution, treatment, and disposal projects	35	26 683	1 214	4.6	.1	X
	34260	Infrastructure engineering projects: Engineering services for power generation and distribution projects	35	20 291	4 538	22.4	.3	56.6
	34261	Fossil fuel power generating unit projects	9	7 168	1 074	15.0	.1	X
	34263	Nuclear power generating unit projects	35	20 291	2 808	13.8	.2	X
	34265	Power transmission and distribution projects	26	13 123	656	5.0	.1	X
	34270	Infrastructure engineering projects: Engineering services for telecommunications and broadcasting projects	29	18 652	708	3.8	.1	56.6
	34271	Wireless network projects, including direct broadcast satellite TV and radio systems	29	18 652	708	3.8	.1	X
	34290	Engineering services for all other projects	9	10 939	2 413	22.1	.2	X
	34300	Engineering advisory and consulting services, performed independently of an engineering project	46	37 815	4 132	10.9	.3	X
	34310	Project management services	29	26 561	7 804	29.4	.6	X
	34320	Construction management services	33	16 343	1 626	9.9	.1	X
	34550	Training services	33	20 081	380	1.9	Z	X
	36950	Research and development services, not specified by type	9	7 162	1 076	15.0	.1	X
	37000	Building inspection services: Home inspection services	3 627	1 062 669	881 716	83.0	67.2	41.1
	37001	Home inspection services, except pest inspection and new home construction	2 994	821 804	667 098	81.2	50.9	X
	37002	Combined home and pest inspection	784	187 306	108 098	57.7	8.2	X
	37003	New home construction inspection services	1 552	456 076	106 520	23.4	8.1	X
	37010	Building inspection services: Commercial building inspection services	934	336 857	102 282	30.4	7.8	X
	37020	Building inspection services: Pest inspection services	358	71 393	4 591	6.4	.4	X
	37030	Building inspection services: Environmental hazard detection services	1 048	195 527	29 761	15.2	2.3	56.0
	37031	Lead-based paint inspection services	139	43 567	1 170	2.7	.1	X
	37032	Radon inspection services	909	157 867	13 632	8.6	1.0	X
	37033	Asbestos inspection services	31	29 114	738	2.5	.1	X
	37034	Water quality inspection services	386	81 447	4 099	5.0	.3	X
	37035	Carbon monoxide and carbon dioxide inspection services	67	16 802	1 030	6.1	.1	X
	37036	Indoor air quality inspection services	72	24 079	3 584	14.9	.3	X
	37037	Underground fuel tank inspection services	29	13 544	158	1.2	Z	X
	37038	Other environmental hazard detection services	220	47 902	5 350	11.2	.4	X
	37040	Building inspection services: Specific element, system, or site feature inspection services	951	344 674	174 790	50.7	13.3	52.7
	37041	Structural component inspection services	432	169 411	42 200	24.9	3.2	X
	37042	Electrical inspection services	240	73 936	24 523	33.2	1.9	X
	37043	Heating system inspection services	195	60 142	6 126	10.2	.5	X
	37044	Cooling system inspection services	174	45 463	2 484	5.5	.2	X
	37045	Septic system inspection services	225	51 546	4 316	8.4	.3	X
	37046	Exterior inspection services	176	48 265	10 089	20.9	.8	X
	37047	Roofing inspection services	301	91 800	19 634	21.4	1.5	X
	37048	Moisture intrusion analysis services	122	38 348	2 559	6.7	.2	X
	37049	Recreational facilities inspection services	35	10 447	538	5.2	Z	X
	37051	Other specific element inspection services	366	123 790	62 321	50.3	4.8	X
	39000	Merchandise sales	40	35 493	5 483	15.4	.4	46.7
	39046	Sale of merchandise, not specified by type	40	35 493	5 483	15.4	.4	X
	39500	All other receipts	132	80 417	27 545	34.3	2.1	55.1
	39542	All other operating receipts, not specified by type	132	80 417	27 545	34.3	2.1	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

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2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
541350		Building inspection services	4 074	X	1 311 646	X	100.0	56.6
	34200	Building engineering projects: Engineering services for residential building projects	294	103 856	24 672	23.8	1.9	56.3
	34201	Engineering services for new residential building projects	283	102 305	10 528	10.3	.8	X
	34202	Engineering services for residential building renovation projects	279	70 799	14 144	20.0	1.1	X
	34210	Building engineering projects: Engineering services for commercial, public, and institutional building projects	275	104 250	28 804	27.6	2.2	56.6
	34211	Engineering services for new commercial, public, and institutional building projects	62	55 633	16 669	30.0	1.3	X
	34212	Engineering services for commercial, public, and institutional building renovation projects	244	81 312	12 135	14.9	.9	X
	34220	Industrial engineering projects: Engineering services for industrial and manufacturing plant and process projects	42	33 211	1 259	3.8	.1	56.2
	34222	Engineering services for mining and metallurgical plant and process projects	28	13 205	665	5.0	.1	X
	34229	Engineering services for other industrial and manufacturing projects	9	13 920	480	3.4	Z	X
	34240	Infrastructure engineering projects: Engineering services for transportation projects	44	38 877	6 020	15.5	.5	56.6
	34241	Highway and roadway projects	42	34 989	4 591	13.1	.4	X
	34242	Mass transit projects	26	13 122	1 312	10.0	.1	X
	34250	Infrastructure engineering projects: Engineering services for municipal utility projects	37	30 968	1 600	5.2	.1	56.6
	34251	Water collection, distribution, treatment, and disposal projects	35	26 683	1 214	4.6	.1	X
	34260	Infrastructure engineering projects: Engineering services for power generation and distribution projects	35	20 291	4 538	22.4	.3	56.6
	34261	Fossil fuel power generating unit projects	9	7 168	1 074	15.0	.1	X
	34263	Nuclear power generating unit projects	35	20 291	2 808	13.8	.2	X
	34265	Power transmission and distribution projects	26	13 123	656	5.0	.1	X
	34270	Infrastructure engineering projects: Engineering services for telecommunications and broadcasting projects	29	18 652	708	3.8	.1	56.6
	34271	Wireless network projects, including direct broadcast satellite TV and radio systems	29	18 652	708	3.8	.1	X
	34290	Engineering services for all other projects	9	10 939	2 413	22.1	.2	X
	34300	Engineering advisory and consulting services, performed independently of an engineering project	46	37 815	4 132	10.9	.3	X
	34310	Project management services	29	26 561	7 804	29.4	.6	X
	34320	Construction management services	33	16 343	1 626	9.9	.1	X
	34550	Training services	33	20 081	380	1.9	Z	X
	36950	Research and development services, not specified by type	9	7 162	1 076	15.0	.1	X
	37000	Building inspection services: Home inspection services	3 627	1 062 669	881 716	83.0	67.2	41.1
	37001	Home inspection services, except pest inspection and new home construction	2 994	821 804	667 098	81.2	50.9	X
	37002	Combined home and pest inspection	784	187 306	108 098	57.7	8.2	X
	37003	New home construction inspection services	1 552	456 076	106 520	23.4	8.1	X
	37010	Building inspection services: Commercial building inspection services	934	336 857	102 282	30.4	7.8	X
	37020	Building inspection services: Pest inspection services	358	71 393	4 591	6.4	.4	X
	37030	Building inspection services: Environmental hazard detection services	1 048	195 527	29 761	15.2	2.3	56.0
	37031	Lead-based paint inspection services	139	43 567	1 170	2.7	.1	X
	37032	Radon inspection services	909	157 867	13 632	8.6	1.0	X
	37033	Asbestos inspection services	31	29 114	738	2.5	.1	X
	37034	Water quality inspection services	386	81 447	4 099	5.0	.3	X
	37035	Carbon monoxide and carbon dioxide inspection services	67	16 802	1 030	6.1	.1	X
	37036	Indoor air quality inspection services	72	24 079	3 584	14.9	.3	X
	37037	Underground fuel tank inspection services	29	13 544	158	1.2	Z	X
	37038	Other environmental hazard detection services	220	47 902	5 350	11.2	.4	X
	37040	Building inspection services: Specific element, system, or site feature inspection services	951	344 674	174 790	50.7	13.3	52.7
	37041	Structural component inspection services	432	169 411	42 200	24.9	3.2	X
	37042	Electrical inspection services	240	73 936	24 523	33.2	1.9	X
	37043	Heating system inspection services	195	60 142	6 126	10.2	.5	X
	37044	Cooling system inspection services	174	45 463	2 484	5.5	.2	X
	37045	Septic system inspection services	225	51 546	4 316	8.4	.3	X
	37046	Exterior inspection services	176	48 265	10 089	20.9	.8	X
	37047	Roofing inspection services	301	91 800	19 634	21.4	1.5	X
	37048	Moisture intrusion analysis services	122	38 348	2 559	6.7	.2	X
	37049	Recreational facilities inspection services	35	10 447	538	5.2	Z	X
	37051	Other specific element inspection services	366	123 790	62 321	50.3	4.8	X
	39000	Merchandise sales	40	35 493	5 483	15.4	.4	46.7
	39046	Sale of merchandise, not specified by type	40	35 493	5 483	15.4	.4	X
	39500	All other receipts	132	80 417	27 545	34.3	2.1	55.1
	39542	All other operating receipts, not specified by type	132	80 417	27 545	34.3	2.1	X
54136		Geophysical surveying and mapping services	738	X	1 028 476	X	100.0	55.9
	34370	Surveying and mapping services, excluding geophysical surveying: Geospatial data interpretation	8	555	31	5.6	Z	X
	34380	Surveying and mapping services, excluding geophysical surveying: Integrated surveying and mapping services	16	10 892	7 168	65.8	.7	55.9
	34382	Topographic and planimetric surveying and mapping services	8	8 975	5 316	59.2	.5	X
	34390	Surveying and mapping services, excluding geophysical surveying: Thematic mapping, orthophoto mapping, and charting	8	555	72	13.0	Z	55.9
	34391	Thematic mapping	8	555	72	13.0	Z	X

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						Establishments with the product line	All establishments ¹	
54136		Geophysical surveying and mapping services—Con.						
	34400	Surveying and mapping services, excluding geophysical surveying: Geographic information system development and customization	12	679	134	19.7	Z	X
	34410	Surveying and mapping services, excluding geophysical surveying: Geospatial consulting services, including expert witness (testimony) services	8	1 080	278	25.7	Z	X
	34420	Surveying and mapping services, excluding geophysical surveying: Geospatial data conversion and digitizing services	12	679	31	4.6	Z	X
	34440	Surveying and mapping services, excluding geophysical surveying: Sale of geospatial products	8	1 080	226	20.9	Z	25.2
	34443	Maps	8	1 080	226	20.9	Z	X
	34450	Geophysical surveying and mapping services: Geophysical data acquisition	292	679 308	488 970	72.0	47.5	53.5
	34451	Geophysical data acquisition by seismic methods	224	658 650	444 684	67.5	43.2	X
	34452	Geophysical data acquisition by non-seismic methods	110	252 859	44 286	17.5	4.3	X
	34460	Geophysical surveying and mapping services: Geophysical data processing	132	175 057	60 239	34.4	5.9	X
	34470	Geophysical surveying and mapping services: Geophysical data interpretation services	111	47 557	21 053	44.3	2.0	X
	34480	Geophysical surveying and mapping services: Integrated geophysical services	366	252 974	158 738	62.7	15.4	42.0
	34481	Acquiring and processing only of geophysical data	116	197 593	124 763	63.1	12.1	X
	34482	Processing and interpreting only of geophysical data	107	85 113	10 646	12.5	1.0	X
	34483	Acquiring, processing, and interpreting geophysical data	152	19 722	8 105	41.1	.8	X
	34484	Geophysical borehole logging surveys	116	44 331	15 224	34.3	1.5	X
	34490	Geophysical surveying and mapping services: Sale of geophysical products	70	294 864	241 419	81.9	23.5	55.9
	34491	Sale of geophysical data	62	286 608	239 343	83.5	23.3	X
	34492	Sale of geophysical software	12	21 531	2 076	9.6	.2	X
	34500	Geophysical surveying and mapping services: Geophysical consulting services, including survey design and expert witness services	99	26 946	4 515	16.8	.4	X
	34510	Geophysical surveying and mapping services: Geophysical data management services	16	143 760	19 346	13.5	1.9	X
	34520	Geophysical surveying and mapping services: Training services related to geophysical surveying	12	8 392	134	1.6	Z	X
	34530	Geophysical surveying and mapping services: Rental of geophysical surveying equipment	41	27 687	2 479	9.0	.2	X
	34540	Geophysical surveying and mapping services: Sale of geophysical survey equipment	16	13 812	2 191	15.9	.2	X
	36920	Engineering services, not specified by type	16	11 519	617	5.4	.1	X
	36950	Research and development services, not specified by type	37	38 146	9 462	24.8	.9	X
	39000	Merchandise sales	12	6 675	483	7.2	Z	X
	39500	All other receipts	58	183 706	10 778	5.9	1.0	54.2
	39543	All other operating receipts, not specified by type	58	183 706	10 778	5.9	1.0	X
541360		Geophysical surveying and mapping services	738	X	1 028 476	X	100.0	55.9
	34370	Surveying and mapping services, excluding geophysical surveying: Geospatial data interpretation	8	555	31	5.6	Z	X
	34380	Surveying and mapping services, excluding geophysical surveying: Integrated surveying and mapping services	16	10 892	7 168	65.8	.7	55.9
	34382	Topographic and planimetric surveying and mapping services	8	8 975	5 316	59.2	.5	X
	34390	Surveying and mapping services, excluding geophysical surveying: Thematic mapping, orthophoto mapping, and charting	8	555	72	13.0	Z	55.9
	34391	Thematic mapping	8	555	72	13.0	Z	X
	34400	Surveying and mapping services, excluding geophysical surveying: Geographic information system development and customization	12	679	134	19.7	Z	X
	34410	Surveying and mapping services, excluding geophysical surveying: Geospatial consulting services, including expert witness (testimony) services	8	1 080	278	25.7	Z	X
	34420	Surveying and mapping services, excluding geophysical surveying: Geospatial data conversion and digitizing services	12	679	31	4.6	Z	X
	34440	Surveying and mapping services, excluding geophysical surveying: Sale of geospatial products	8	1 080	226	20.9	Z	25.2
	34443	Maps	8	1 080	226	20.9	Z	X
	34450	Geophysical surveying and mapping services: Geophysical data acquisition	292	679 308	488 970	72.0	47.5	53.5
	34451	Geophysical data acquisition by seismic methods	224	658 650	444 684	67.5	43.2	X
	34452	Geophysical data acquisition by non-seismic methods	110	252 859	44 286	17.5	4.3	X
	34460	Geophysical surveying and mapping services: Geophysical data processing	132	175 057	60 239	34.4	5.9	X
	34470	Geophysical surveying and mapping services: Geophysical data interpretation services	111	47 557	21 053	44.3	2.0	X
	34480	Geophysical surveying and mapping services: Integrated geophysical services	366	252 974	158 738	62.7	15.4	42.0
	34481	Acquiring and processing only of geophysical data	116	197 593	124 763	63.1	12.1	X
	34482	Processing and interpreting only of geophysical data	107	85 113	10 646	12.5	1.0	X
	34483	Acquiring, processing, and interpreting geophysical data	152	19 722	8 105	41.1	.8	X
	34484	Geophysical borehole logging surveys	116	44 331	15 224	34.3	1.5	X
	34490	Geophysical surveying and mapping services: Sale of geophysical products	70	294 864	241 419	81.9	23.5	55.9
	34491	Sale of geophysical data	62	286 608	239 343	83.5	23.3	X
	34492	Sale of geophysical software	12	21 531	2 076	9.6	.2	X
	34500	Geophysical surveying and mapping services: Geophysical consulting services, including survey design and expert witness services	99	26 946	4 515	16.8	.4	X
	34510	Geophysical surveying and mapping services: Geophysical data management services	16	143 760	19 346	13.5	1.9	X
	34520	Geophysical surveying and mapping services: Training services related to geophysical surveying	12	8 392	134	1.6	Z	X
	34530	Geophysical surveying and mapping services: Rental of geophysical surveying equipment	41	27 687	2 479	9.0	.2	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
541360		Geophysical surveying and mapping services—Con.						
	34540	Geophysical surveying and mapping services: Sale of geophysical survey equipment	16	13 812	2 191	15.9	.2	X
	36920	Engineering services, not specified by type	16	11 519	617	5.4	.1	X
	36950	Research and development services, not specified by type	37	38 146	9 462	24.8	.9	X
	39000	Merchandise sales	12	6 675	483	7.2	Z	X
	39500	All other receipts	58	183 706	10 778	5.9	1.0	54.2
	39543	All other operating receipts, not specified by type	58	183 706	10 778	5.9	1.0	X
54137		Surveying and mapping (except geophysical) services	9 118	X	4 305 950	X	100.0	75.6
	34350	Surveying and mapping services, excluding geophysical surveying: Geospatial photo and image acquisition from aircraft and satellites	550	475 205	192 175	40.4	4.5	X
	34360	Surveying & mapping serv, excl geophysical surveying: Geospatial photo & image processing, incl orthophoto, elevation & terrain modeling, aerotriangulation, photomosaics, & photogrammetric restitution	245	333 840	135 336	40.5	3.1	X
	34370	Surveying and mapping services, excluding geophysical surveying: Geospatial data interpretation	157	122 074	25 276	20.7	.6	X
	34380	Surveying and mapping services, excluding geophysical surveying: Integrated surveying and mapping services	8 695	3 888 747	3 308 216	85.1	76.8	70.5
	34381	Property line surveying and mapping services, including subdivision layout and design	8 106	3 237 576	1 563 132	48.3	36.3	X
	34382	Topographic and planimetric surveying and mapping services	6 030	2 856 635	637 527	22.3	14.8	X
	34383	Hydrographic and bathymetric surveying and mapping services	752	717 590	115 324	16.1	2.7	X
	34384	Construction surveying	6 104	3 030 617	884 253	29.2	20.5	X
	34385	Geodetic surveying and ground control support	1 650	1 158 380	107 980	9.3	2.5	X
	34390	Surveying and mapping services, excluding geophysical surveying: Thematic mapping, orthophoto mapping, and charting	222	229 765	51 844	22.6	1.2	71.9
	34391	Thematic mapping	108	109 129	15 521	14.2	.4	X
	34392	Orthophoto mapping	140	200 291	33 977	17.0	.8	X
	34393	Nautical charting	14	15 351	2 048	13.3	Z	X
	34400	Surveying and mapping services, excluding geophysical surveying: Geographic information system development and customization	204	333 496	52 533	15.8	1.2	X
	34410	Surveying and mapping services, excluding geophysical surveying: Geospatial consulting services, including expert witness (testimony) services	209	154 799	6 976	4.5	.2	X
	34420	Surveying and mapping services, excluding geophysical surveying: Geospatial data conversion and digitizing services	184	261 070	43 404	16.6	1.0	X
	34430	Surveying and mapping services, excluding geophysical surveying: Training services related to surveying and mapping	100	103 041	5 727	5.6	.1	X
	34440	Surveying and mapping services, excluding geophysical surveying: Sale of geospatial products	470	298 790	73 115	24.5	1.7	49.0
	34441	Satellite images	25	31 809	1 757	5.5	Z	X
	34442	Aerial photographs	268	186 815	25 988	13.9	.6	X
	34443	Maps	213	98 774	28 565	28.9	.7	X
	34444	Geographic information systems (GIS) software	119	82 275	16 805	20.4	.4	X
	34450	Geophysical surveying and mapping services: Geophysical data acquisition ..	24	89 176	10 420	11.7	.2	74.6
	34451	Geophysical data acquisition by seismic methods	8	80 283	2 892	3.6	.1	X
	34452	Geophysical data acquisition by non-seismic methods	19	76 155	7 528	9.9	.2	X
	34460	Geophysical surveying and mapping services: Geophysical data processing ..	12	3 746	172	4.6	Z	X
	34470	Geophysical surveying and mapping services: Geophysical data interpretation services	12	9 775	431	4.4	Z	X
	34480	Geophysical surveying and mapping services: Integrated geophysical services	82	95 334	26 568	27.9	.6	75.1
	34481	Acquiring and processing only of geophysical data	15	18 486	456	2.5	Z	X
	34482	Processing and interpreting only of geophysical data	6	9 243	421	4.6	Z	X
	34483	Acquiring, processing, and interpreting geophysical data	16	56 072	24 280	43.3	.6	X
	34484	Geophysical borehole logging surveys	63	39 928	1 411	3.5	Z	X
	34490	Geophysical surveying and mapping services: Sale of geophysical products ..	7	19 463	11 066	56.9	.3	75.6
	34491	Sale of geophysical data	6	17 039	10 993	64.5	.3	X
	34500	Geophysical surveying and mapping services: Geophysical consulting services, including survey design and expert witness services	38	27 773	2 454	8.8	.1	X
	34510	Geophysical surveying and mapping services: Geophysical data management services	7	73 976	2 067	2.8	Z	X
	34540	Geophysical surveying and mapping services: Sale of geophysical survey equipment	6	72 598	1 938	2.7	Z	X
	36900	Architectural services, excluding landscape architecture, not specified by type	93	97 271	7 363	7.6	.2	X
	36910	Landscape architectural services, not specified by type	81	144 206	11 712	8.1	.3	X
	36920	Engineering services, not specified by type	1 229	958 375	247 463	25.8	5.7	X
	36950	Research and development services, not specified by type	85	89 822	4 909	5.5	.1	X
	39000	Merchandise sales	79	101 233	9 172	9.1	.2	75.6
	39047	Sale of other merchandise, not specified by type	79	101 233	9 172	9.1	.2	X
	39500	All other receipts	304	415 180	75 139	18.1	1.7	75.6
	39543	All other operating receipts, not specified by type	304	415 180	75 139	18.1	1.7	X
541370		Surveying and mapping (except geophysical) services	9 118	X	4 305 950	X	100.0	75.6
	34350	Surveying and mapping services, excluding geophysical surveying: Geospatial photo and image acquisition from aircraft and satellites	550	475 205	192 175	40.4	4.5	X
	34360	Surveying & mapping serv, excl geophysical surveying: Geospatial photo & image processing, incl orthophoto, elevation & terrain modeling, aerotriangulation, photomosaics, & photogrammetric restitution	245	333 840	135 336	40.5	3.1	X
	34370	Surveying and mapping services, excluding geophysical surveying: Geospatial data interpretation	157	122 074	25 276	20.7	.6	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census.]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
541370		Surveying and mapping (except geophysical) services—Con.						
	34380	Surveying and mapping services, excluding geophysical surveying: Integrated surveying and mapping services	8 695	3 888 747	3 308 216	85.1	76.8	70.5
	34381	Property line surveying and mapping services, including subdivision layout and design	8 106	3 237 576	1 563 132	48.3	36.3	X
	34382	Topographic and planimetric surveying and mapping services	6 030	2 856 635	637 527	22.3	14.8	X
	34383	Hydrographic and bathymetric surveying and mapping services	752	717 590	115 324	16.1	2.7	X
	34384	Construction surveying	6 104	3 030 617	884 253	29.2	20.5	X
	34385	Geodetic surveying and ground control support	1 650	1 158 380	107 980	9.3	2.5	X
	34390	Surveying and mapping services, excluding geophysical surveying: Thematic mapping, orthophoto mapping, and charting	222	229 765	51 844	22.6	1.2	71.9
	34391	Thematic mapping	108	109 129	15 521	14.2	.4	X
	34392	Orthophoto mapping	140	200 291	33 977	17.0	.8	X
	34393	Nautical charting	14	15 351	2 048	13.3	Z	X
	34400	Surveying and mapping services, excluding geophysical surveying: Geographic information system development and customization	204	333 496	52 533	15.8	1.2	X
	34410	Surveying and mapping services, excluding geophysical surveying: Geospatial consulting services, including expert witness (testimony) services	209	154 799	6 976	4.5	.2	X
	34420	Surveying and mapping services, excluding geophysical surveying: Geospatial data conversion and digitizing services	184	261 070	43 404	16.6	1.0	X
	34430	Surveying and mapping services, excluding geophysical surveying: Training services related to surveying and mapping	100	103 041	5 727	5.6	.1	X
	34440	Surveying and mapping services, excluding geophysical surveying: Sale of geospatial products	470	298 790	73 115	24.5	1.7	49.0
	34441	Satellite images	25	31 809	1 757	5.5	Z	X
	34442	Aerial photographs	268	186 815	25 988	13.9	.6	X
	34443	Maps	213	98 774	28 565	28.9	.7	X
	34444	Geographic information systems (GIS) software	119	82 275	16 805	20.4	.4	X
	34450	Geophysical surveying and mapping services: Geophysical data acquisition	24	89 176	10 420	11.7	.2	74.6
	34451	Geophysical data acquisition by seismic methods	8	80 283	2 892	3.6	.1	X
	34452	Geophysical data acquisition by non-seismic methods	19	76 155	7 528	9.9	.2	X
	34460	Geophysical surveying and mapping services: Geophysical data processing	12	3 746	172	4.6	Z	X
	34470	Geophysical surveying and mapping services: Geophysical data interpretation services	12	9 775	431	4.4	Z	X
	34480	Geophysical surveying and mapping services: Integrated geophysical services	82	95 334	26 568	27.9	.6	75.1
	34481	Acquiring and processing only of geophysical data	15	18 486	456	2.5	Z	X
	34482	Processing and interpreting only of geophysical data	6	9 243	421	4.6	Z	X
	34483	Acquiring, processing, and interpreting geophysical data	16	56 072	24 280	43.3	.6	X
	34484	Geophysical borehole logging surveys	63	39 928	1 411	3.5	Z	X
	34490	Geophysical surveying and mapping services: Sale of geophysical products	7	19 463	11 066	56.9	.3	75.6
	34491	Sale of geophysical data	6	17 039	10 993	64.5	.3	X
	34500	Geophysical surveying and mapping services: Geophysical consulting services, including survey design and expert witness services	38	27 773	2 454	8.8	.1	X
	34510	Geophysical surveying and mapping services: Geophysical data management services	7	73 976	2 067	2.8	Z	X
	34540	Geophysical surveying and mapping services: Sale of geophysical survey equipment	6	72 598	1 938	2.7	Z	X
	36900	Architectural services, excluding landscape architecture, not specified by type	93	97 271	7 363	7.6	.2	X
	36910	Landscape architectural services, not specified by type	81	144 206	11 712	8.1	.3	X
	36920	Engineering services, not specified by type	1 229	958 375	247 463	25.8	5.7	X
	36950	Research and development services, not specified by type	85	89 822	4 909	5.5	.1	X
	39000	Merchandise sales	79	101 233	9 172	9.1	.2	75.6
	39047	Sale of other merchandise, not specified by type	79	101 233	9 172	9.1	.2	X
	39500	All other receipts	304	415 180	75 139	18.1	1.7	75.6
	39543	All other operating receipts, not specified by type	304	415 180	75 139	18.1	1.7	X
54138		Testing laboratories	5 948	X	8 794 253	X	100.0	64.1
	36100	Research and development in the physical and engineering sciences	215	229 675	69 772	30.4	.8	63.7
	36101	Chemistry and chemical engineering	24	20 469	6 911	33.8	.1	X
	36102	Computer science and electrical engineering	7	5 567	361	6.5	Z	X
	36103	Civil engineering	39	28 645	4 428	15.5	.1	X
	36104	Earth and environmental sciences	128	108 184	23 791	22.0	.3	X
	36105	Other physical and engineering sciences	56	102 920	34 281	33.3	.4	X
	36150	Research and development in the life sciences	70	142 702	45 110	31.6	.5	64.1
	36151	Biotechnology and other biological sciences	16	95 058	19 506	20.5	.2	X
	36152	Medical sciences	25	5 037	2 098	41.7	Z	X
	36153	Agriculture, forestry, fisheries, and allied sciences	23	39 496	18 955	48.0	.2	X
	36154	Other life sciences	35	28 506	4 551	16.0	.1	X
	36250	Market research and public opinion polling services	25	13 515	4 300	31.8	Z	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	5 918	8 776 278	8 303 407	94.6	94.4	60.5
	36301	Chemical analysis and testing	2 356	3 183 683	2 400 325	75.4	27.3	X
	36302	Nondestructive testing	938	1 645 815	1 171 018	71.2	13.3	X
	36303	Mechanical testing	548	786 881	330 970	42.1	3.8	X
	36304	Geotechnical/geosciences testing	455	611 970	214 558	35.1	2.4	X
	36305	Electrical testing	398	667 348	491 806	73.7	5.6	X
	36306	Biological testing	413	705 788	316 440	44.8	3.6	X
	36307	Metrology	162	177 983	103 542	58.2	1.2	X
	36308	Acoustic, optical, and thermal testing	87	132 259	27 235	20.6	.3	X
	36309	Other testing services, excluding medical and veterinary	2 213	3 744 048	3 247 513	86.7	36.9	X
	36920	Engineering services, not specified by type	237	382 646	81 708	21.4	.9	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line receipts/revenue			Response coverage ² (percent)
			Number	Total receipts/revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total receipts/revenue of—		
						Establishments with the product line	All establishments ¹	
54138		Testing laboratories—Con.						
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	35	103 385	2 370	2.3	Z	X
	36940	Geophysical surveying services, not specified by type	23	106 895	2 106	2.0	Z	X
	39000	Merchandise sales	303	403 884	70 738	17.5	.8	61.1
	39052	Sales of merchandise, not specified by type	303	403 884	70 738	17.5	.8	X
	39500	All other receipts	530	881 489	195 889	22.2	2.2	63.6
	39547	All other operating receipts	530	881 489	195 889	22.2	2.2	X
541380		Testing laboratories	5 948	X	8 794 253	X	100.0	64.1
	36100	Research and development in the physical and engineering sciences	215	229 675	69 772	30.4	.8	63.7
	36101	Chemistry and chemical engineering	24	20 469	6 911	33.8	.1	X
	36102	Computer science and electrical engineering	7	5 567	361	6.5	Z	X
	36103	Civil engineering	39	28 645	4 428	15.5	.1	X
	36104	Earth and environmental sciences	128	108 184	23 791	22.0	.3	X
	36105	Other physical and engineering sciences	56	102 920	34 281	33.3	.4	X
	36150	Research and development in the life sciences	70	142 702	45 110	31.6	.5	64.1
	36151	Biotechnology and other biological sciences	16	95 058	19 506	20.5	.2	X
	36152	Medical sciences	25	5 037	2 098	41.7	Z	X
	36153	Agriculture, forestry, fisheries, and allied sciences	23	39 496	18 955	48.0	.2	X
	36154	Other life sciences	35	28 506	4 551	16.0	.1	X
	36250	Market research and public opinion polling services	25	13 515	4 300	31.8	Z	X
	36300	Testing services (physical or product), excluding medical and veterinary testing service	5 918	8 776 278	8 303 407	94.6	94.4	60.5
	36301	Chemical analysis and testing	2 356	3 183 683	2 400 325	75.4	27.3	X
	36302	Nondestructive testing	938	1 645 815	1 171 018	71.2	13.3	X
	36303	Mechanical testing	548	786 881	330 970	42.1	3.8	X
	36304	Geotechnical/geosciences testing	455	611 970	214 558	35.1	2.4	X
	36305	Electrical testing	398	667 348	491 806	73.7	5.6	X
	36306	Biological testing	413	705 788	316 440	44.8	3.6	X
	36307	Metrolgy	162	177 983	103 542	58.2	1.2	X
	36308	Acoustic, optical, and thermal testing	87	132 259	27 235	20.6	.3	X
	36309	Other testing services, excluding medical and veterinary	2 213	3 744 048	3 247 513	86.7	36.9	X
	36920	Engineering services, not specified by type	237	382 646	81 708	21.4	.9	X
	36930	Surveying and mapping services, excluding geophysical surveying, not specified by type	35	103 385	2 370	2.3	Z	X
	36940	Geophysical surveying services, not specified by type	23	106 895	2 106	2.0	Z	X
	39000	Merchandise sales	303	403 884	70 738	17.5	.8	61.1
	39052	Sales of merchandise, not specified by type	303	403 884	70 738	17.5	.8	X
	39500	All other receipts	530	881 489	195 889	22.2	2.2	63.6
	39547	All other operating receipts	530	881 489	195 889	22.2	2.2	X

¹Product line receipts/revenue and product line percents may not sum to total due to exclusion of selected lines to avoid disclosing data for individual companies, due to rounding, and/or due to exclusion of lines that did not meet publication criteria.

²Receipts/revenue of establishments reporting product lines as percent of total receipts/revenue.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 4. Concentration by Largest Firms for the United States: 2002

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only firms and establishments of firms with payroll. Excludes data for corporate, subsidiary, and regional managing offices and establishments of these firms that are classified in other categories than those specified in this table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For method of assignment to categories shown, see Appendix C. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census.]

2002 NAICS code	Kind of business and largest firms based on receipts/revenue	Establishments (number)	Receipts/revenue		Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)
			Amount (\$1,000)	As percent of total			
5413	Architectural, engineering, and related services						
	All firms	107 275	161 611 883	100.0	68 014 626	16 070 008	1 268 440
	4 largest firms	198	11 802 078	7.3	2 942 230	701 700	37 599
	8 largest firms	749	19 054 888	11.8	5 364 308	1 331 688	80 058
	20 largest firms	1 675	30 273 402	18.7	9 294 293	2 284 746	143 767
	50 largest firms	2 512	41 609 946	25.7	13 401 125	3 309 244	209 771
54131	Architectural services						
	All firms	23 269	25 345 747	100.0	9 757 149	2 198 686	186 293
	4 largest firms	43	1 111 177	4.4	305 328	74 248	4 364
	8 largest firms	67	1 586 625	6.3	491 905	118 184	7 120
	20 largest firms	159	2 579 079	10.2	895 626	214 427	13 120
	50 largest firms	255	4 095 909	16.2	1 519 512	364 944	22 666
541310	Architectural services						
	All firms	23 269	25 345 747	100.0	9 757 149	2 198 686	186 293
	4 largest firms	43	1 111 177	4.4	305 328	74 248	4 364
	8 largest firms	67	1 586 625	6.3	491 905	118 184	7 120
	20 largest firms	159	2 579 079	10.2	895 626	214 427	13 120
	50 largest firms	255	4 095 909	16.2	1 519 512	364 944	22 666
54132	Landscape architectural services						
	All firms	6 225	3 568 814	100.0	1 329 689	281 120	36 679
	4 largest firms	16	147 939	4.1	52 957	12 640	1 209
	8 largest firms	32	208 245	5.8	74 385	17 291	1 499
	20 largest firms	73	343 048	9.6	123 845	28 045	2 872
	50 largest firms	116	559 098	15.7	200 300	43 611	4 559
541320	Landscape architectural services						
	All firms	6 225	3 568 814	100.0	1 329 689	281 120	36 679
	4 largest firms	16	147 939	4.1	52 957	12 640	1 209
	8 largest firms	32	208 245	5.8	74 385	17 291	1 499
	20 largest firms	73	343 048	9.6	123 845	28 045	2 872
	50 largest firms	116	559 098	15.7	200 300	43 611	4 559
54133	Engineering services						
	All firms	55 229	116 525 315	100.0	49 717 865	11 891 655	860 517
	4 largest firms	154	11 678 388	10.0	2 877 103	710 504	40 312
	8 largest firms	724	18 323 501	15.7	5 182 143	1 283 700	77 084
	20 largest firms	1 623	29 451 058	25.3	9 067 632	2 227 342	140 158
	50 largest firms	2 433	40 292 485	34.6	13 002 749	3 214 715	202 238
541330	Engineering services						
	All firms	55 229	116 525 315	100.0	49 717 865	11 891 655	860 517
	4 largest firms	154	11 678 388	10.0	2 877 103	710 504	40 312
	8 largest firms	724	18 323 501	15.7	5 182 143	1 283 700	77 084
	20 largest firms	1 623	29 451 058	25.3	9 067 632	2 227 342	140 158
	50 largest firms	2 433	40 292 485	34.6	13 002 749	3 214 715	202 238
54134	Drafting services						
	All firms	2 674	731 682	100.0	353 745	84 082	10 129
	4 largest firms	5	38 365	5.2	19 663	4 065	617
	8 largest firms	11	60 901	8.3	30 738	6 482	796
	20 largest firms	25	110 898	15.2	56 970	12 143	1 305
	50 largest firms	61	182 160	24.9	90 123	19 995	2 173
541340	Drafting services						
	All firms	2 674	731 682	100.0	353 745	84 082	10 129
	4 largest firms	5	38 365	5.2	19 663	4 065	617
	8 largest firms	11	60 901	8.3	30 738	6 482	796
	20 largest firms	25	110 898	15.2	56 970	12 143	1 305
	50 largest firms	61	182 160	24.9	90 123	19 995	2 173
54135	Building inspection services						
	All firms	4 074	1 311 646	100.0	455 921	102 504	14 208
	4 largest firms	4	202 833	15.5	26 197	6 454	821
	8 largest firms	23	236 988	18.1	37 283	9 352	1 220
	20 largest firms	60	317 863	24.2	74 716	17 452	1 962
	50 largest firms	107	438 673	33.4	128 140	29 284	3 224
541350	Building inspection services						
	All firms	4 074	1 311 646	100.0	455 921	102 504	14 208
	4 largest firms	4	202 833	15.5	26 197	6 454	821
	8 largest firms	23	236 988	18.1	37 283	9 352	1 220
	20 largest firms	60	317 863	24.2	74 716	17 452	1 962
	50 largest firms	107	438 673	33.4	128 140	29 284	3 224
54136	Geophysical surveying and mapping services						
	All firms	738	1 028 476	100.0	384 372	100 037	7 997
	4 largest firms	16	466 393	45.3	183 040	49 485	3 520
	8 largest firms	26	599 685	58.3	231 817	62 988	4 266
	20 largest firms	55	721 006	70.1	275 674	75 040	5 221
	50 largest firms	94	818 637	79.6	309 263	83 127	5 892

See footnotes at end of table.

Table 4. Concentration by Largest Firms for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only firms and establishments of firms with payroll. Excludes data for corporate, subsidiary, and regional managing offices and establishments of these firms that are classified in other categories than those specified in this table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For method of assignment to categories shown, see Appendix C. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	Kind of business and largest firms based on receipts/revenue	Establishments (number)	Receipts/revenue		Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)
			Amount (\$1,000)	As percent of total			
541360	Geophysical surveying and mapping services						
	All firms	738	1 028 476	100.0	384 372	100 037	7 997
	4 largest firms	16	466 393	45.3	183 040	49 485	3 520
	8 largest firms	26	599 685	58.3	231 817	62 988	4 266
	20 largest firms	55	721 006	70.1	275 674	75 040	5 221
	50 largest firms	94	818 637	79.6	309 263	83 127	5 892
54137	Surveying and mapping (except geophysical) services						
	All firms	9 118	4 305 950	100.0	2 053 942	469 466	59 263
	4 largest firms	25	254 541	5.9	87 299	21 916	1 987
	8 largest firms	32	338 355	7.9	126 181	31 350	2 567
	20 largest firms	68	522 647	12.1	212 214	52 664	4 222
	50 largest firms	133	752 762	17.5	318 446	76 694	6 689
541370	Surveying and mapping (except geophysical) services						
	All firms	9 118	4 305 950	100.0	2 053 942	469 466	59 263
	4 largest firms	25	254 541	5.9	87 299	21 916	1 987
	8 largest firms	32	338 355	7.9	126 181	31 350	2 567
	20 largest firms	68	522 647	12.1	212 214	52 664	4 222
	50 largest firms	133	752 762	17.5	318 446	76 694	6 689
54138	Testing laboratories						
	All firms	5 948	8 794 253	100.0	3 961 943	942 458	93 354
	4 largest firms	128	1 029 712	11.7	454 374	108 657	8 835
	8 largest firms	264	1 386 201	15.8	603 752	144 147	12 032
	20 largest firms	348	2 097 210	23.8	868 919	209 220	18 674
	50 largest firms	550	3 045 668	34.6	1 248 615	301 413	27 608
541380	Testing laboratories						
	All firms	5 948	8 794 253	100.0	3 961 943	942 458	93 354
	4 largest firms	128	1 029 712	11.7	454 374	108 657	8 835
	8 largest firms	264	1 386 201	15.8	603 752	144 147	12 032
	20 largest firms	348	2 097 210	23.8	868 919	209 220	18 674
	50 largest firms	550	3 045 668	34.6	1 248 615	301 413	27 608

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Appendix A.

Explanation of Terms

ANNUAL PAYROLL

Payroll includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation allowances, sick-leave pay, and employee contributions to qualified pension plans paid during the year to all employees and reported on Internal Revenue Service (IRS) Form 941 as taxable Medicare Wages and tips (even if not subject to income or FICA tax). Also included are tips and gratuities received by employees from patrons and reported to employers. If an employee works at more than one location, the payroll is included in the one location where they spend most of their time. Also included are salaries of members of professional service organizations or associations that operate under state professional corporation statutes and file a corporate federal income tax return. Excluded are payrolls of departments or concessions operated by other companies at the establishment; payments to or withdrawals by proprietors or partners of an unincorporated company; and annuities or supplemental unemployment compensation benefits, even if income tax was withheld. Payroll is reported before deductions for social security, income tax, insurance, union dues, etc. This definition of payroll is the same as that used by the IRS on Form 941.

ESTABLISHMENTS

An establishment is a single physical location at which business is conducted and/or services are provided. It is not necessarily identical to a company or enterprise, which may consist of one establishment or more. Economic census figures represent a summary of reports for individual establishments rather than companies. For cases where a census report was received, separate information was obtained for each location where business was conducted. When administrative records of other federal agencies were used instead of a census report, no information was available on the number of locations operated. Each economic census establishment was tabulated according to the physical location at which the business was conducted. The count of establishments represents those in business at any time during 2002.

When two activities or more were carried on at a single location under a single ownership, all activities generally were grouped together as a single establishment. The entire establishment was classified on the basis of its major activity and all data for it were included in that classification. However, when distinct and separate economic activities (for which different industry classification codes were appropriate) were conducted at a single location under a single ownership, separate establishment reports for each of the different activities were obtained in the census.

Leased service departments (separately owned businesses operated as departments or concessions of other service establishments or of retail businesses, such as a separately owned shoe-shine parlor in a barber shop, or a beauty shop in a department store) are treated as separate service establishments for census purposes. Leased retail departments located in service establishments (e.g., a gift shop located in a hotel) are considered separate retail establishments.

FIRMS

A firm is a business organization or entity consisting of one domestic establishment (location) or more under common ownership or control. All establishments of subsidiary firms are included as part of the owning or controlling firm. For the economic census, the terms "firm" and "company" are synonymous.

FIRST-QUARTER PAYROLL

Represents payroll paid to persons employed at any time during the quarter January to March 2002.

PAID EMPLOYEES FOR PAY PERIOD INCLUDING MARCH 12

Paid employees consists of full- and part-time employees, including salaried officers and executives of corporations, who were on the payroll during the pay period including March 12. Included are employees on paid sick leave, paid holidays, and paid vacations, and salaried members of professional service organizations or associations that operate under state professional corporation statutes and file corporate federal income tax returns. Not included are proprietors and partners of unincorporated businesses; employees of departments or concessions operated by other companies at the establishment; full- and part-time leased employees whose payroll was filed under an employee leasing company's Employer Identification Number (EIN); and temporary staffing obtained from a staffing service. The definition of paid employees is the same as that used by the Internal Revenue Service (IRS) on Form 941.

RECEIPTS/REVENUE

Receipts (basic dollar volume measure for service establishments of firms subject to federal income tax). Includes gross receipts from customers or clients for services provided, from the use of facilities, and from merchandise sold in 2002 whether or not payment was received in 2002. For advertising agencies, travel industries, and other service establishments operating on a commission basis, receipts include commissions, fees, and other operating income, NOT gross billings and sales. Excise taxes on gasoline, liquor, tobacco, etc., that are paid by the manufacturer or wholesaler and passed on in the cost of goods purchased by the service establishment, are also included. The establishments share of receipts from departments, concessions, and vending and amusement machines operated by others are included as part of receipts. Receipts also include amounts received from the rental and leasing of vehicles, equipment, instruments, and tools; the total value of service contracts; market value of compensation received in lieu of cash; amounts received for work subcontracted to others; and dues and assessments from members and affiliates. Receipts from services performed for foreign parent firms, subsidiaries, and branches are included.

Receipts are net after deductions for refunds and allowances for merchandise returned by customers. Receipts do not include sales and other taxes (including Hawaii's General Excise Tax) collected directly from customers and paid directly to a local, state, or federal tax agency. Also excluded are gross receipts from departments and concessions operated by others; sales of used equipment previously rented or leased to customers; domestic intracompany transfers; proceeds from the sale of real estate (land and buildings), investments, or other assets (except inventory held for resale); income from interest, rental of real estate, dividends, contributions, and grants; receipts of foreign parent firms and subsidiaries; and other nonoperating income, such as franchise fees. Receipts do not include service receipts of manufacturers, wholesalers, retail establishments, or other businesses whose primary activity is other than service. They do, however, include receipts other than from services rendered (e.g., sale of merchandise to individuals or other businesses) by establishments primarily engaged in performing services and classified in the service industries.

Revenue (basic dollar volume measure for firms exempt from federal income tax). Includes receipts from customers or clients for services provided in 2002, whether or not payment was received in 2002, and gross sales of merchandise, minus returns and allowances. Also included are income from interest, dividends, gross rents (including display space rentals and share of receipts from departments operated by other companies), gross contributions, gifts, grants (whether or not restricted for use in operations), royalties, dues and assessments from members and affiliates, commissions earned from the sale of merchandise owned by others (including commissions from vending machine operators), and gross receipts from fundraising activities. Revenue now includes gains or losses from the sale of real estate (land and buildings), investments, or other assets (except inventory held for resale). Receipts from taxable business activities of firms exempt from federal income tax (unrelated business income) are also included in revenue.

Revenue does not include sales and other taxes collected directly from customers or clients and paid directly to a local, state, or federal tax agency; gross receipts of departments or concessions operated by others; and amounts transferred to operating funds from capital or reserve funds.

Appendix B.

NAICS Codes, Titles, and Descriptions

PART 1. 2002 NAICS

5413 ARCHITECTURAL, ENGINEERING, AND RELATED SERVICES

This industry group includes establishments classified in the following industries: 54131, Architectural Services, 54132, Landscape Architectural Services, 54133, Engineering Services, 54134, Drafting Services, 54135, Building Inspection Services, 54136, Geophysical Surveying and Mapping Services, 54137, Surveying and Mapping (Except Geophysical) Services, and 54138, Testing Laboratories.

54131 ARCHITECTURAL SERVICES

This industry comprises establishments primarily engaged in planning and designing residential, institutional, leisure, commercial, and industrial buildings and structures by applying knowledge of design, construction procedures, zoning regulations, building codes, and building materials.

541310 ARCHITECTURAL SERVICES

This industry comprises establishments primarily engaged in planning and designing residential, institutional, leisure, commercial, and industrial buildings and structures by applying knowledge of design, construction procedures, zoning regulations, building codes, and building materials.

54132 LANDSCAPE ARCHITECTURAL SERVICES

This industry comprises establishments primarily engaged in planning and designing the development of land areas for projects, such as parks and other recreational areas; airports; highways; hospitals; schools; land subdivisions; and commercial, industrial, and residential areas, by applying knowledge of land characteristics, location of buildings and structures, use of land areas, and design of landscape projects.

541320 LANDSCAPE ARCHITECTURAL SERVICES

This industry comprises establishments primarily engaged in planning and designing the development of land areas for projects, such as parks and other recreational areas; airports; highways; hospitals; schools; land subdivisions; and commercial, industrial, and residential areas, by applying knowledge of land characteristics, location of buildings and structures, use of land areas, and design of landscape projects.

54133 ENGINEERING SERVICES

This industry comprises establishments primarily engaged in applying physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, structures, processes, and systems. The assignments undertaken by these establishments may involve any of the following activities: provision of advice, preparation of feasibility studies, preparation of preliminary and final plans and designs, provision of technical services during the construction or installation phase, inspection and evaluation of engineering projects, and related services.

541330 ENGINEERING SERVICES

This industry comprises establishments primarily engaged in applying physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, structures, processes, and systems. The assignments undertaken by these establishments

may involve any of the following activities: provision of advice, preparation of feasibility studies, preparation of preliminary and final plans and designs, provision of technical services during the construction or installation phase, inspection and evaluation of engineering projects, and related services.

54134 DRAFTING SERVICES

This industry comprises establishments primarily engaged in drawing detailed layouts, plans, and illustrations of buildings, structures, systems, or components from engineering and architectural specifications.

541340 DRAFTING SERVICES

This industry comprises establishments primarily engaged in drawing detailed layouts, plans, and illustrations of buildings, structures, systems, or components from engineering and architectural specifications.

54135 BUILDING INSPECTION SERVICES

This industry comprises establishments primarily engaged in providing building inspection services. These establishments typically evaluate all aspects of the building structure and component systems and prepare a report on the physical condition of the property, generally for buyers or others involved in real estate transactions. Building inspection bureaus and establishments providing home inspection services are included in this industry.

541350 BUILDING INSPECTION SERVICES

This industry comprises establishments primarily engaged in providing building inspection services. These establishments typically evaluate all aspects of the building structure and component systems and prepare a report on the physical condition of the property, generally for buyers or others involved in real estate transactions. Building inspection bureaus and establishments providing home inspection services are included in this industry.

54136 GEOPHYSICAL SURVEYING AND MAPPING SERVICES

This industry comprises establishments primarily engaged in gathering, interpreting, and mapping geophysical data. Establishments in this industry often specialize in locating and measuring the extent of subsurface resources, such as oil, gas, and minerals, but they may also conduct surveys for engineering purposes. Establishments in this industry use a variety of surveying techniques depending on the purpose of the survey, including magnetic surveys, gravity surveys, seismic surveys, or electrical and electromagnetic surveys.

541360 GEOPHYSICAL SURVEYING AND MAPPING SERVICES

This industry comprises establishments primarily engaged in gathering, interpreting, and mapping geophysical data. Establishments in this industry often specialize in locating and measuring the extent of subsurface resources, such as oil, gas, and minerals, but they may also conduct surveys for engineering purposes. Establishments in this industry use a variety of surveying techniques depending on the purpose of the survey, including magnetic surveys, gravity surveys, seismic surveys, or electrical and electromagnetic surveys.

54137 SURVEYING AND MAPPING (EXCEPT GEOPHYSICAL) SERVICES

This industry comprises establishments primarily engaged in performing surveying and mapping services of the surface of the earth, including the sea floor. These services may include surveying and mapping of areas above or below the surface of the earth, such as the creation of view easements or segregating rights in parcels of land by creating underground utility easements.

541370 SURVEYING AND MAPPING (EXCEPT GEOPHYSICAL) SERVICES

This industry comprises establishments primarily engaged in performing surveying and mapping services of the surface of the earth, including the sea floor. These services may include surveying and mapping of areas above or below the surface of the earth, such as the creation of view easements or segregating rights in parcels of land by creating underground utility easements.

54138 TESTING LABORATORIES

This industry comprises establishments primarily engaged in performing physical, chemical, and other analytical testing services, such as acoustics or vibration testing, assaying, biological testing (except medical and veterinary), calibration testing, electrical and electronic testing, geotechnical testing, mechanical testing, nondestructive testing, or thermal testing. The testing may occur in a laboratory or on-site.

541380 TESTING LABORATORIES

This industry comprises establishments primarily engaged in performing physical, chemical, and other analytical testing services, such as acoustics or vibration testing, assaying, biological testing (except medical and veterinary), calibration testing, electrical and electronic testing, geotechnical testing, mechanical testing, nondestructive testing, or thermal testing. The testing may occur in a laboratory or on-site.

PART 2. 1997 NAICS

5413 ARCHITECTURAL, ENGINEERING, AND RELATED SERVICES

This industry group includes establishments classified in the following industries: 54131, Architectural Services, 54133, Engineering Services, 54134, Drafting Services, 54135, Building Inspection Services, 54136, Geophysical Surveying and Mapping Services, 54137, Surveying and Mapping (Except Geophysical) Services, and 54138, Testing Laboratories.

54131 ARCHITECTURAL SERVICES

This industry comprises establishments primarily engaged in planning and designing residential, institutional, leisure, commercial, and industrial buildings and structures by applying knowledge of design, construction procedures, zoning regulations, building codes, and building materials.

541310 ARCHITECTURAL SERVICES

This industry comprises establishments primarily engaged in planning and designing residential, institutional, leisure, commercial, and industrial buildings and structures by applying knowledge of design, construction procedures, zoning regulations, building codes, and building materials.

54133 ENGINEERING SERVICES

This industry comprises establishments primarily engaged in applying physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, structures, processes, and systems. The assignments undertaken by these establishments may involve any of the following activities: provision of advice, preparation of feasibility studies, preparation of preliminary and final plans and designs, provision of technical services during the construction or installation phase, inspection and evaluation of engineering projects, and related services.

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This industry comprises establishments primarily engaged in applying physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, structures, processes, and systems. The assignments undertaken by these establishments

may involve any of the following activities: provision of advice, preparation of feasibility studies, preparation of preliminary and final plans and designs, provision of technical services during the construction or installation phase, inspection and evaluation of engineering projects, and related services.

54134 DRAFTING SERVICES

This industry comprises establishments primarily engaged in drawing detailed layouts, plans, and illustrations of buildings, structures, systems, or components from engineering and architectural specifications.

541340 DRAFTING SERVICES

This industry comprises establishments primarily engaged in drawing detailed layouts, plans, and illustrations of buildings, structures, systems, or components from engineering and architectural specifications.

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This industry comprises establishments primarily engaged in providing building inspection services. These establishments typically evaluate all aspects of the building structure and component systems and prepare a report on the physical condition of the property, generally for buyers or others involved in real estate transactions. Building inspection bureaus and establishments providing home inspection services are included in this industry.

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This industry comprises establishments primarily engaged in gathering, interpreting, and mapping geophysical data. Establishments in this industry often specialize in locating and measuring the extent of subsurface resources, such as oil, gas, and minerals, but they may also conduct surveys for engineering purposes. Establishments in this industry use a variety of surveying techniques depending on the purpose of the survey, including magnetic surveys, gravity surveys, seismic surveys, or electrical and electromagnetic surveys.

541360 GEOPHYSICAL SURVEYING AND MAPPING SERVICES

This industry comprises establishments primarily engaged in gathering, interpreting, and mapping geophysical data. Establishments in this industry often specialize in locating and measuring the extent of subsurface resources, such as oil, gas, and minerals, but they may also conduct surveys for engineering purposes. Establishments in this industry use a variety of surveying techniques depending on the purpose of the survey, including magnetic surveys, gravity surveys, seismic surveys, or electrical and electromagnetic surveys.

54137 SURVEYING AND MAPPING (EXCEPT GEOPHYSICAL) SERVICES

This industry comprises establishments primarily engaged in performing surveying and mapping services of the surface of the earth, including the sea floor. These services may include surveying and mapping of areas above or below the surface of the earth, such as the creation of view easements or segregating rights in parcels of land by creating underground utility easements.

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This industry comprises establishments primarily engaged in performing surveying and mapping services of the surface of the earth, including the sea floor. These services may include surveying and mapping of areas above or below the surface of the earth, such as the creation of view easements or segregating rights in parcels of land by creating underground utility easements.

54138 TESTING LABORATORIES

This industry comprises establishments primarily engaged in performing physical, chemical, and other analytical testing services, such as acoustics or vibration testing, assaying, biological testing (except medical and veterinary), calibration testing, electrical and electronic testing, geotechnical testing, mechanical testing, nondestructive testing, or thermal testing. The testing may occur in a laboratory or on-site.

541380 TESTING LABORATORIES

This industry comprises establishments primarily engaged in performing physical, chemical, and other analytical testing services, such as acoustics or vibration testing, assaying, biological testing (except medical and veterinary), calibration testing, electrical and electronic testing, geotechnical testing, mechanical testing, nondestructive testing, or thermal testing. The testing may occur in a laboratory or on-site.

Appendix C.

Methodology

SOURCES OF THE DATA

For this sector, large- and medium-size firms, plus all firms known to operate more than one establishment, were sent report forms to be completed for each of their establishments and returned to the Census Bureau. For most very small firms, data from existing administrative records of other federal agencies were used instead. These records provide basic information on location, kind of business, receipts/revenue, payroll, number of employees, and legal form of organization.

Firms in the 2002 Economic Census are divided into those sent report forms and those not sent report forms. The coverage of and the method of obtaining census information from each are described below:

1. Establishments sent a report form:
 - a. Large employers, i.e., all multiestablishment firms, and all employer firms with payroll above a specified cutoff. (The term “employers” refers to firms with one or more paid employees at any time during 2002 as shown in the active administrative records of other federal agencies.)
 - b. A sample of small employers, i.e., single-establishment firms with payroll below a specified cutoff in classifications for which specialized data precludes reliance solely on administrative records sources. The sample was stratified by industry and geography.
2. Establishments not sent a report form:
 - a. Small employers, i.e., single-establishment firms with payroll below a specified cutoff, not selected into the small employer sample. Although the payroll cutoff varies by kind of business, small employers not sent a report form generally include firms with less than 10 employees and represent about 10 percent of total receipts/revenue of establishments covered in the census. Data on receipts/revenue, payroll, and employment for these small employers were derived or estimated from administrative records of other federal agencies.
 - b. All taxable nonemployers, i.e., all firms subject to federal income tax with no paid employees during 2002. Receipts information for these firms was obtained from administrative records of other federal agencies. Although consisting of many firms, nonemployers account for less than 10 percent of total receipts of all establishments covered in the census. Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

The report forms used to collect information for establishments in this sector are available at help.econ.census.gov/econhelp/resources/.

A more detailed examination of census methodology is presented in the *History of the Economic Census* at www.census.gov/econ/www/history.html.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

The classifications for all establishments are based on the *North American Industry Classification System, United States, 2002* manual. Changes between 1997 and 2002 affecting this sector are discussed in the text at the beginning of this report. Tables at www.census.gov/epcd/naics02/ identify all industries that changed between the 1997 North American Industry Classification System (NAICS) and 2002 NAICS.

The method of assigning classifications and the level of detail at which establishments were classified depends on whether a report form was obtained for the establishment.

1. Establishments that returned a report form were classified on the basis of their self-designation, product line receipts/revenue, and responses to other industry-specific inquiries.
2. Establishments without a report form:
 - a. Small employers not sent a form were, where possible, classified on the basis of the most current kind-of-business classification available from one of the Census Bureau's current sample surveys or the 1997 Economic Census. Otherwise, the classification was obtained from administrative records of other federal agencies. If the census or administrative record classifications proved inadequate (none corresponded to a 2002 Economic Census classification in the detail required for employers), the firm was sent a brief inquiry requesting information necessary to assign a kind-of-business code.
 - b. Nonemployers were classified on the basis of information obtained from administrative records of other federal agencies.

METHOD OF ASSIGNING TAX STATUS

For kind-of-business classifications where there were substantial numbers of taxable and tax-exempt establishments, establishments were classified based on the federal income tax filing requirement for the establishment or organization. This classification was based primarily on the response to an inquiry on the census report form. Establishments that indicated that all or part of their income was exempt from federal income tax under provisions of section 501 of the Internal Revenue Service (IRS) code were classified as tax-exempt; establishments indicating no such exemption were classified as taxable. All government-operated hospitals were classified as tax-exempt. For establishments without a report form, the tax status classification was based on administrative records of other federal agencies.

For selected kind-of-business classifications that are comprised primarily of tax-exempt establishments, all establishments in those classifications were defined as tax-exempt. All establishments in the remaining kind-of-business classifications (comprised primarily of taxable establishments) were defined as taxable.

RELIABILITY OF DATA

All data compiled in the economic census are subject to nonsampling errors. Nonsampling errors can be attributed to many sources during the development or execution of the census:

- inability to identify all cases in the actual universe;
- definition and classification difficulties;
- differences in the interpretation of questions;
- errors in recording or coding the data obtained; and
- other errors of collection, response, coverage, processing, and estimation for missing or misreported data.

Data presented in the Miscellaneous Subjects and the Product Lines reports for this sector are subject to sampling errors, as well as nonsampling errors. Specifically, these data are estimated based on information obtained from census report forms mailed to all large employers and to a sample of small employers in the universe. Sampling errors affect these estimates, insofar, as they may differ from results that would be obtained from a complete enumeration.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors or by the joint effects of sampling and nonsampling errors. No direct measurement of these effects has been obtained except for estimation for missing or misreported data; however, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors.

The Census Bureau obtains limited information extracted from administrative records of other federal agencies, such as gross receipts from federal income tax records and employment and payroll from payroll tax records. This information is used in conjunction with other information available to the Census Bureau to develop estimates for nonemployers, small employers, and other establishments for which responses were not received in time for publication.

Key tables in this report include a column for “Percent of receipts/revenue from administrative records.” This includes receipts/revenue information obtained from administrative records of other federal agencies. The “Percent of receipts/revenue estimated” includes receipts/revenue information that was imputed based on historic company ratios or administrative records, or on industry averages.

The Census Bureau recommends that data users incorporate this information into their analyses, as nonsampling error and sampling error could impact the conclusions drawn from economic census data.

TREATMENT OF NONRESPONSE

Census report forms included two different types of inquiries, “basic” and “industry-specific.” Data for the basic inquiries, which include location, kind of business or operation, receipts/revenue, payroll, and number of employees, were available from a combination of sources for all establishments. Data for industry-specific inquiries, tailored to the particular kinds of business or operation covered by the report form, were available only from establishments responding to those inquiries.

Data for industry-specific inquiries in this sector were expanded in most cases to account for establishments that did not respond to the particular inquiry for which data are presented. Unless otherwise noted in specific reports, data for industry-specific inquiries were expanded in direct relationship to total receipts/revenue of all establishments included in the category. In a few cases, expansion on the basis of the receipts/revenue was not appropriate, and another basic data item was used as the basis for expansion of reported data to account for nonrespondents.

All reports in which industry-specific data were expanded include a coverage indicator for each publication category, which shows the receipts/revenue of establishments responding to the industry-specific inquiry as a percent of total receipts/revenue for all establishments for which data are shown. For some inquiries, coverage is determined by the ratio of total payroll or employment of establishments responding to the inquiry to total payroll or employment of all establishments in the category.

CONCENTRATION CATEGORIES

Concentration categories are based on aggregate receipts/revenue of all establishments operated by the same firm in a given kind-of-business classification or group for which data are presented. For example, a firm operating two service establishments – a testing laboratory (NAICS 541380) and a surveying service (NAICS 541360) – would be treated as two one-establishment firms at the most detailed NAICS level, and as a two-establishment firm in NAICS 5413.

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 business. However, the number of establishments in a kind-of-business classification is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at www.census.gov/epcd/ec02/disclosure.htm.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan and Micropolitan Statistical Areas

Not applicable for this report.

