

June 24, 2002

MEMORANDUM FOR: CHESTER E. BOWIE, Chief  
Demographic Surveys Division  
Bureau of the Census

FROM : KENNETH V. DALTON  
Associate Commissioner  
Prices and Living Conditions  
Bureau of Labor Statistics

SUBJECT : Specifications for the Selection of  
CE/CPI Samples in PSUs Based  
on the 2000 Census

## **I. Introduction**

The overall design for selecting the Consumer Expenditure Survey (CE) sample from the 2000 Census frame remains unchanged. The eligible population continues to be all civilian noninstitutional persons, including people residing in boarding houses, housing facilities for students and workers, staff units, mobile home parks, permanent-type living quarters in hotels and motels, and eligible group quarters. Appendix I shows the basic survey design for this CE population. Because Core Based Statistical Area (CBSA) definitions will not be final until after CE sample selection has begun, the Bureau of the Census (BOC) will draw a sample in all Primary Sampling Units (PSU) based on the geographic boundaries specified in the data files accompanying this memo and also listed in Appendix II.

PSUs are divided into four size classes: A, X, Y, and Z. The A, X, and Y PSUs are constructed based on preliminary CBSA definitions. The A PSUs were constructed by combining counties using 1990 Metropolitan Statistical Area definitions with adjustment based on preliminary CBSA definitions. The X PSUs are metropolitan CBSAs not contained in any A PSU. The Y PSUs are micropolitan CBSAs not contained in any A PSU. The Z PSUs, which are used only for CE, are defined by the Bureau of Labor Statistics (BLS) in terms of counties not in any CBSA.

Requirements for the Telephone Point of Purchase Survey for the PSU sample based on the 2000 Census will be sent later and are not included in this memorandum.

For the Diary and Interview survey, unclustered systematic samples will be selected within each PSU listed in Appendix II. The reference period for the Diary Survey will continue to be two weeks, and the Interview Survey will continue to have five quarterly interviews. The phase-in period for the 2000-based sample will begin in November 2004. For each survey, sample units will be grouped into 24 representative “sample designations” of equal size. Enough of these sample designations should be assigned sample dates to cover the period 2005 through 2018, with the remaining sample designations set aside as “reserve” sample. The reserve sample allows for sample expansion, methods development, and research.

The Consumer Price Index (CPI) Permit New Construction Housing Sample should be selected to yield a total of 120 permit new construction units per month across all selected CPI PSUs. The housing units should be selected in such a way as to yield an expected four housing units per hit.

The following details are not meant to be all-inclusive, but instead highlight areas of importance in the sample selection process.

## **II. Self-representing PSUs and the Basic Survey Design**

The BLS has selected 28 A (self-representing) PSUs. With the exception of Honolulu and Anchorage, each self-representing PSU has a population greater than 2 million people based on 2000 Census data and preliminary CBSA definitions.

The basic survey design appears in Appendix I. There will be four size classes, A, X, Y, and Z. The X and Y PSUs are metropolitan and micropolitan CBSAs, respectively, that are not included in any A PSU and are not self-representing. The BLS divided the non-CBSA area of the U.S. into the Z PSUs that were formed from adjacent counties with a total population intended to be large enough to support CE sample requirements.

A list of the selected PSUs appears in Appendix II. Samples for CE/CPI should be selected within the geographic boundaries of each PSU shown in Appendix II. A letter and three-digit number identify each selected PSU. The number is even for all nonself-representing PSUs. The Z PSUs are to be used only for CE. Further details are in **Section V, Contents of the Data Files**.

The selection of this PSU sample was done using a stratified sample design with keyfitzing and controlled selection. All nonself-representing PSUs (X, Y and Z PSUs) were stratified. The strata were created in the twelve region-size classes (4 Census regions times 3 size classes (X, Y and Z)) using a methodology similar to that employed for the 1987 and 1998 Revisions. The probabilities of selection for the X, Y and Z PSUs were Keyfitted using a modified version of the 1998 Revision PSU selection Keyfitzing program. One PSU was selected from each stratum using a newly developed three-way controlled selection program with controls on states, strata and overlap. Detailed documentation of the PSU selection process is being written in a paper for the 2002 Joint Statistical Meetings.

### **III. Diary and Interview Surveys**

The basic procedures for selecting the Diary and Interview samples remain unchanged. Important points are summarized below.

- The within-PSU sort order for the systematic sampling of units is left to the discretion of the BOC with the understanding that its research and conclusions will be clearly documented and provided to the BLS.
- Sample selection procedures for the Unit, Area, Permit, and Group Quarters sampling frames should be designed to avoid any clustering.
- The number of interviewed households should remain constant over time. As the sample size increases in the Permit frame, adjustments should be made to the other sampling frames to keep the overall number of interviewed households constant.
- The assignment of placement day for the Diary should be done in such a way as to ensure a representative distribution of sample units within random groups, halvesamples, months, and days of the week. Any cross-classification by these variables should yield a representative sample. Placement days should be strictly adhered to by the field.

#### **Allocating the Nationwide Sample to Individual PSUs**

The CE budget allows for 7,700 interviewed households per year in the Diary survey, and 7,700 interviewed households per quarter in the Interview survey (interviews 2-5 only) at the national level.<sup>1</sup> For each survey the nationwide sample of 7,700 interviewed households will be allocated to individual PSUs in two different ways depending on PSU size: 400 interviewed households will be allocated to Z PSUs, and the remaining 7,300 interviewed households will be allocated to A, X, and Y PSUs. We will limit the target number of interviewed households for Z PSUs to 400 to allow more of the sample to be allocated to A, X, and Y PSUs, which are used by the CPI. The nationwide sample should be allocated to individual PSUs as specified below.

The Z PSUs will have 400 interviewed households per year in the Diary survey, and 400 interviewed households per quarter in the Interview survey (interviews 2-5 only). These 400 interviewed households should be allocated to individual Z PSUs directly proportional to the population that each PSU represents. The populations represented by Z PSUs are listed in Appendix III, Table 1.

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<sup>1</sup> This is expected to yield 16,170 usable interviews per year in the Diary survey, and 32,340 usable interviews per year in the Interview survey. These estimates come from assuming that 7,700 households contain 8,085 ( $=7,700 \times 1.05$ ) consumer units. Hence there will be approximately 16,170 usable interviews per year in the Diary survey (2 weekly diaries per consumer unit), and 32,340 usable interviews per year in the Interview survey (8,085 consumer units per quarter times 4 quarters per year).

The X and Y PSUs are grouped into 8 region-size classes. They are created by cross-classifying the four regions of the country (Northeast, Midwest, South, West) with the two size classes (X, Y). For allocation these 8 region-size classes are treated just like other self-representing PSUs (A PSUs). Thus for the sample allocation process we define a *CPI Index Area* to be any one of the 28 A PSUs, or any one of the 8 X/Y region-size classes, for a total of 36 CPI Index Areas.

In the 36 CPI Index Areas usable interviews will be collected from 7,300 households per year in the Diary survey, and 7,300 households per quarter in the Interview survey (interviews 2-5 only). The 7,300 interviewed households should be allocated to the 36 CPI Index Areas as close to population proportionality as possible, subject to the constraint that each CPI Index Area contain at least 80 interviewed households per year in the Diary survey, and at least 80 interviewed households per quarter in the Interview survey. The number of interviewed households allocated to the X/Y region-size classes should then be allocated to the individual CE PSUs within the region-size classes directly proportional to the population represented by the PSU. The populations represented by X and Y PSUs are listed in Appendix III, Tables 2 and 3, respectively.

### **The Phase-In and Phase-Out Period**

For the Diary survey, data collection for the 1990-based sample will continue through January 2005. The actual placement of the Diary form and subsequent 14-day reference period is contingent on the “earliest placement date” assigned to the sample case. The last possible “earliest placement date” assigned for the 1990-based Diary sample is December 31, 2004.

For the Diary Survey in continuing and new areas, the 2000-based sample will be introduced in January 2005.

For the Interview Survey, the phase-in period for the 2000-based redesign sample will begin in November 2004. Phase-in/out will occur over a 5-month period (November 2004 – March 2005) in the dropped and new areas, and will occur over a 12-month period (November 2004 – October 2005) in the continuing areas. During the phase-in/out period, the following will occur:

#### **Dropped areas**

- Interviews using the 1990-based sample will be collected through March 2005.
- The incoming rotation group (using the 1990-based sample) for the first quarter of 2005 will not be introduced in dropped areas.

#### **Continuing areas**

- The final interviews using the 1990-based sample will occur in October 2005.
- The incoming rotation group (using the 2000-based sample) will be introduced beginning in November 2004.

### **New areas**

- The sample in new areas will be introduced beginning in November 2004.
- The incoming rotation groups (using the 2000-based sample) will be introduced beginning in November 2004.
- Sample introduced in January 2005 (using the 2000-based sample) will include only three of the four rotation groups originally introduced in November 2004 because no phase-in interviews will occur in October 2004.

Since phase-in begins in the second month of the last quarter of 2004, only two-thirds of the sample in new and continuing areas will be introduced in that period. After phase-in is completed in October 2005, the rest of the 2000-based sample will be introduced using the ongoing rotation pattern.

### **IV. CPI Permit New Construction Housing Sample**

The sample size for the CPI Permit New Construction Housing Sample is 120 permits per month spread throughout all CPI PSUs. The BOC will use data from the past to project future housing unit permit construction in permit construction areas within the selected PSUs. Several years of data will be used for the the BOC's predictions. The allocation of the sample to PSUs will be proportional to the predicted new construction permit housing units in each PSU.

The BOC will provide the BLS with the sample size and sampling interval in each PSU and the method of sample allocation. The sample should be selected with an expected four housing units per hit from a frame consisting of permits for new housing units constructed since the 2000 Census. In order to help the BLS field staff locate the sample, the BOC should provide the permit office location and permit number of each sample unit, the unit's address including zip code, and the name of the complex in which the unit lies. Urban/Rural status of new construction permits is no longer needed for the CPI Permit New Construction Housing Sample and should not be provided. If no address is sent, then the BOC should provide the BLS with detailed street sketch maps. In addition, the BOC should provide the BLS with an annually updated electronic list of Permit Offices, which includes an accurate telephone number, and the name of the person in charge.

### **V. Contents of the Data Files**

The data files contain records defining the selected PSUs in terms of state-county combinations and the stratum populations and probabilities of selection. The layout of the data files is contained in Appendix IV.

The data file `censout2000cpi.sdf` contains all of the PSUs used for the CPI-U. These PSUs include all of the selected A, X, and Y PSUs. These PSUs are also used for CE. The stratum population is the sum of the population of all PSUs in the same stratum as the selected PSU. The final column is the unconditional probability of selection, which is defined as the PSU population divided by the stratum population.

The data file censout2000ce.sdf contains all Z PSUs, which are used only by CE. Some of the selected Z PSUs had too little population to accommodate the CE Survey. Each of these PSUs was augmented with counties in the same stratum to bring them up to sufficient size. On the data file censout2000ce.sdf, these added counties are not distinguished from the originally selected PSU's counties which contained insufficient population. The column for stratum population contains the total stratum population for all records associated with each Z stratum. The unconditional probability is defined as the augmented Z PSU population divided by the stratum population.

Attachments

OPLC/SMD

WJOHNSON/062402/A0202.6/rm. 3655 PSB/Tele. 691-6921

cc:

## APPENDIX I

### Distribution of Halfsample Equivalents in Size Classes by Region for CE and for CPI-U

#### 136-CE and 120-CPI-U

Region	A	X	Y	CPI-U Total (AXY)	Z	CE Total (AXYZ)
Northeast	14	4	2	20	2	22
Midwest	12	12	4	28	4	32
South	14	18	6	38	6	44
West	22	8	4	34	4	38
<b>Total</b>	<b>62</b>	<b>42</b>	<b>16</b>	<b>120</b>	<b>16</b>	<b>136</b>

Note 1: The A PSUs are self-representing. The X PSUs are all other metropolitan CBSAs, and the Y PSUs are micropolitan CBSAs. Each A, X, and Y PSU is one or more CBSA(s) with preliminary boundaries defined by the BOC. The non-CBSA area of the U.S. is divided into Z PSUs by the BLS. Each Z PSU consists of adjacent counties in the non-CBSA area.

Note 2: The number of halfsample equivalents for X, Y, and Z size classes is the same as the number of PSUs in those classes.

## APPENDIX II

OFFICE OF PRICES & LIVING CONDITIONS/STATISTICAL METHODS DIVISION  
 CONSUMER PRICE INDEX/CONSUMER EXPENDITURE SURVEY  
 86 PSU DESIGN CPI-U  
 102 PSU DESIGN CE

### NORTHEAST REGION

Area	PSU	PSU Name	Definition (County, State)	Stratum CPI-U	2000 Pop. Total
A101	A109	New York, NY	Bronx, Kings, New York, Queens, Richmond, NY	8008278	8008278
A101	A110	New York-Connecticut Suburbs	Fairfield, Hartford, Litchfield, Middlesex, New Haven, Tolland, CT; Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk, Westchester, NY	7718773	7718773
A101	A111	New Jersey Suburbs	Bergen, Essex, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union, Warren, NJ	6708052	6708052
	A102	Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD	New Castle, DE; Cecil, MD; Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Salem, NJ; Bucks, Chester, Delaware, Montgomery, Philadelphia, PA	6188463	6188463
	A103	Boston-Brockton-Nashua, MA-NH-ME-CT	Windham, CT; Bristol, Essex, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, Worcester, MA; York, ME; Hillsborough, Merrimack, Rockingham, Strafford, NH	7098363	7098363
	A104	Pittsburgh, PA	Allegheny, Armstrong, Beaver, Butler, Fayette, Washington, Westmoreland, PA	2431087	2431087
	X102	Reading PA	Berks, PA	3583761	3583761
	X104	Syracuse NY	Madison, Onondaga, Oswego, NY	2528670	2528670
	X106	Providence-Warwick RI	Bristol, Kent, Providence, Washington, RI	2079175	2079175
	X108	Sharon-Hermitage PA	Mercer, PA	2700148	2700148
	Y102	Augusta-Waterville ME	Kennebec, ME	1360710	1360710
	Y104	Ithaca NY	Schuyler, Tompkins, NY	1582049	1582049
	Z102	Somerset, ME	Somerset, ME	0	894407
	Z104	Allegany-Wyoming, NY	Allegany, Wyoming, NY	0	1344960



## APPENDIX II (Continued)

### MIDWEST REGION

Area	PSU	PSU Name	Definition (County,State)	Stratum CPI-U	2000 Pop. Total
	A207	Chicago-Gary-Kenosha ,IL-IN-WI	Cook,DeKalb,Du Page,Grundy,Kane,Kankakee, Kendall,Lake,McHenry,Will,IL;Lake,Newton, Porter,IN;Kenosha,WI	9172106	9172106
	A208	Detroit-Ann_Arbor-Flint,MI	Genesee,Lapeer,Lenawee,Livingston,Macomb, Monroe,Oakland,St. Clair,Washtenaw,Wayne,MI	5456428	5456428
	A209	St. Louis,MO-IL	Bond,Clinton,Jersey,Macoupin,Madison,Monroe, St. Clair,IL;Franklin,Jefferson,Lincoln, St. Charles,St. Louis,St. Louis city, Warren,Washington,MO	2693603	2693603
	A210	Cleveland-Akron,OH	Ashtabula,Cuyahoga,Geauga,Lake,Lorain, Medina,Portage,Summit,OH	2945831	2945831
	A211	Minneapolis-St. Paul,MN-WI	Anoka,Benton,Carver,Chisago,Dakota,Hennepin, Isanti,Ramsey,Scott,Sherburne,Stearns, Washington,Wright,MN; Pierce,St. Croix,WI	3136198	3136198
	X210	Madison WI	Columbia,Dane,WI	2163881	2163881
	X212	Milwaukee WI	Milwaukee,Ozaukee,Racine,Washington, Waukesha,WI	2393317	2393317
	X214	South Bend-Mishawaka IN	St. Joseph,IN	2883225	2883225
	X216	Rochester MN	Dodge,Olmsted,Wabasha,MN	1160986	1160986
	X218	Cincinnati OH	Dearborn,Ohio,IN;Boone,Campbell,Gallatin, Grant,Kenton,Pendleton,KY;Brown,Butler, Clermont,Hamilton,Warren,OH	2728487	2728487
	X220	Decatur IL	Macon,Moultrie,IL	2381926	2381926
	X222	Lincoln NE	Lancaster,Seward,NE	1839536	1839536
	X224	Elkhart-Goshen IN	Elkhart,IN; Cass,MI	1734347	1734347
	X226	Kansas City MO	Johnson,Leavenworth,Miami,Wyandotte,KS; Cass,Clay,Clinton,Jackson,Lafayette,Platte, Ray,MO	2455863	2455863
	X228	Saginaw MI	Saginaw,MI	1899121	1899121
	X230	Springfield MO	Christian,Dade,Dallas,Greene,Polk,Webster,MO	1385014	1385014
	X232	Youngstown-Warren OH	Mahoning,Trumbull,OH	1757348	1757348
	Y206	Whitewater WI	Walworth,WI	1995083	1995083
	Y208	Bellefontaine OH	Logan,OH	2372713	2372713
	Y210	Brookings SD	Bookings,SD	1977966	1977966
	Y212	Macomb IL	McDonough,IL	2372053	2372053

**APPENDIX II (Continued)**

**MIDWEST REGION (Continued)**

Area	PSU	PSU Name	Definition (County,State)	Stratum CPI-U	2000 Pop. Total
	Z206	Southwest Kansas,KS	Clark,Comanche,Grant,Gray,Haskell,Hodgeman, Kiowa,Meade,Morton,Ness,Rush,Stevens,KS	0	2045781
	Z208	Southeast South Dakota,SD	Douglas,Hutchinson,Lake,McCook,Miner,Moody, Sanborn,SD	0	1510671
	Z210	Holmes,OH	Holmes,OH	0	1857581
	Z212	Lincoln-Oneida,WI	Lincoln,Oneida,WI	0	2206168

## APPENDIX II (Continued)

### SOUTH REGION

Area	PSU	PSU Name	Definition (County, State)	Stratum CPI-U	2000 Pop. Total
A311	A312	Washington, DC-MD-VA-WV	District of Columbia, DC; Calvert, Charles, Frederick, Montgomery, Prince George's, Washington, MD; Alexandria city, Arlington, Clarke, Fairfax, Fairfax city, Falls Church city, Fauquier, Fredericksburg city, King George, Loudoun, Manassas Park city, Manassas city, Prince William, Rappahannock, Spotsylvania, Stafford, Warren, VA; Berkeley, Jefferson, WV	5027797	5027797
A311	A313	Baltimore, MD	Anne Arundel, Baltimore, Baltimore city, Carroll, Harford, Howard, Queen Anne's, MD	2552994	2552994
	A316	Dallas-Fort Worth, TX	Collin, Dallas, Delta, Denton, Ellis, Henderson, Hood, Hunt, Johnson, Kaufman, Parker, Rockwall, Tarrant, Wise, TX	5275921	5275921
	A318	Houston-Galveston-Brazoria, TX	Austin, Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, San Jacinto, Waller, TX	4715407	4715407
	A319	Atlanta, GA	Cleburne, AL; Barrow, Bartow, Butts, Carroll, Cherokee, Clayton, Cobb, Coweta, Dawson, De Kalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Haralson, Henry, Newton, Paulding, Pickens, Pike, Rockdale, Spalding, Walton, GA	4201220	4201220
	A320	Miami-Fort Lauderdale, FL	Broward, Miami Dade, FL	3876380	3876380
	A321	Tampa-St. Petersburg-Clearwater, FL	Hernando, Hillsborough, Pasco, Pinellas, FL	2395997	2395997
	X334	Tulsa OK	Creek, Osage, Pawnee, Rogers, Tulsa, Wagoner, OK	2722702	2722702
	X336	Roanoke VA	Botetourt, Craig, Franklin, Roanoke, Roanoke city, Salem city, VA	2829211	2829211
	X338	San Antonio TX	Atascosa, Bandera, Bexar, Comal, Guadalupe, Kendall, Medina, Wilson, TX	2809510	2809510
	X340	Baton Rouge LA	Ascension, East Baton Rouge, East Feliciana, Iberville, Livingston, Pointe Coupee, St. Helena, West Baton Rouge, West Feliciana, LA	2894012	2894012
	X342	Louisville KY-IN	Clark, Floyd, Harrison, IN; Bullitt, Jefferson, Oldham, Spencer, KY	2633499	2633499
	X344	Greenville SC	Greenville, SC	2945842	2945842

## APPENDIX II (Continued)

### SOUTH REGION (Continued)

Area	PSU	PSU Name	Definition (County,State)	Stratum CPI-U	2000 Pop. Total
	X346	Virginia Beach-Norfolk-Newport News VA	Currituck,Gates,NC;Chesapeake city, Gloucester,Hampton city,Isle of Wight, James city,Mathews,Newport News city, Norfolk city,Poquoson city,Portsmouth city,Suffolk city,Surry,Virginia Beach city,Williamsburg city,York,VA	2668196	2668196
	X348	Clarksville-Hopkinsville TN-KY	Christian,Trigg,KY;Montgomery,Stewart,TN	1946709	1946709
	X350	Ocala FL	Marion,FL	2262812	2262812
	X352	Cape Coral-Fort Myers FL	Lee,FL	2889638	2889638
	X354	New Orleans LA	Jefferson,Orleans,Plaquemines,St. Bernard, St. Charles,St. John the Baptist, St. Tammany,LA	2912761	2912761
	X356	Florence SC	Darlington,Florence,SC	2937317	2937317
	X358	Knoxville TN	Blount,Knox,Loudon,Sevier,Union,TN	2884164	2884164
	X360	Tuscaloosa AL	Hale,Tuscaloosa,AL	2171431	2171431
	X362	Killeen-Temple-Fort Hood TX	Bell,Coryell,Lampasas,TX	2633420	2633420
	X364	Jacksonville FL	Baker,Clay,Duval,Nassau,St. Johns,FL	2938088	2938088
	X366	El Paso TX	El Paso,TX	1489948	1489948
	X368	Birmingham AL	Bibb,Blount,Chilton,Jefferson,Shelby, St. Clair,AL	2948082	2948082
	Y314	Valdosta GA	Brooks,Echols,Lanier,Lowndes,GA	1965379	1965379
	Y316	Henderson NC	Vance,NC	2270576	2270576
	Y318	Eagle Pass TX	Maverick,TX	1883169	1883169
	Y320	Picayune MS	Pearl River,MS	1982772	1982772
	Y322	Winchester VA-WV	Frederick,Winchester city,VA;Hampshire,WV	2344185	2344185
	Y324	Greenwood MS	Carroll,Leflore,MS	1876665	1876665
	Z314	Jenkins-Screven,GA	Jenkins,Screven,GA	0	1869678
	Z316	Haywood,NC	Haywood,NC	0	1774186
	Z318	Izard-Stone,AR	Izard,Stone,AR	0	1880013
	Z320	Cocke-Jefferson,TN	Cocke,Jefferson,TN	0	2468330
	Z322	Floyd-Johnson-Pike,KY	Floyd,Johnson,Pike,KY	0	2282224
	Z324	Montague,TX	Montague,TX	0	1357912

## APPENDIX II (Continued)

### WEST REGION

Area	PSU	PSU Name	Definition (County,State)	Stratum CPI-U	2000 Pop. Total
A421	A419	Los Angeles-Orange,CA	Los Angeles,Orange,CA	12365627	12365627
A421	A420	Los Angeles Suburbs,CA	Riverside,San Bernardino,Ventura,CA	4008018	4008018
	A422	San Francisco-Oakland-San Jose,CA	Alameda,Contra Costa,Marin,Napa, San Francisco,San Mateo,Santa Clara, Santa Cruz,Solano,Sonoma,CA	7039362	7039362
	A423	Seattle-Tacoma-Bremerton,WA	Island,King,Kitsap,Pierce,Snohomish, Thurston,WA	3554760	3554760
	A424	San Diego,CA	San Diego,CA	2813833	2813833
	A425	Portland-Salem,OR-WA	Clackamas,Columbia,Marion,Multnomah,Polk, Washington,Yamhill,OR;Clark,Skamania,WA	2275095	2275095
	A426	Honolulu,HI	Honolulu,HI	876156	876156
	A427	Anchorage,AK	Anchorage, Matanuska-Susitna,AK	319605	319605
	A429	Phoenix-Mesa,AZ	Maricopa,Pinal,AZ	3251876	3251876
	A433	Denver-Boulder-Greeley,CO	Adams,Arapahoe,Boulder,Clear Creek, Denver,Douglas,Elbert,Gilpin,Jefferson, Park,Weld,CO	2629980	2629980
	X470	Sacramento CA-NV	El Dorado,Placer,Sacramento,Yolo,CA; Douglas,NV	2604885	2604885
	X472	Boise City ID	Ada,Boise,Gem,ID	1688864	1688864
	X474	Las Vegas-Paradise-Sparks NV	Clark,Nye,NV	2254594	2254594
	X476	Bellingham WA	Whatcom,WA	1686680	1686680
	X478	Fresno CA	Fresno,CA	2477516	2477516
	X480	Merced CA	Merced,CA	1759160	1759160
	X482	Provo-Orem UT	Utah,UT	1739315	1739315
	X484	Yuma AZ	Yuma,AZ	1733421	1733421
	Y426	Newport OR	Lincoln,OR	1276861	1276861
	Y428	Bend OR	Deschutes,OR	1167215	1167215
	Y430	El Centro CA	Imperial,CA	1438782	1438782
	Y432	Prescott AZ	Yavapai,AZ	1391696	1391696
	Z426	Tuolumne,CA	Tuolumne,CA	0	656279
	Z428	Jefferson-Wheeler,OR	Jefferson,Wheeler,OR	0	570223
	Z430	Grand-Jackson,CO	Grand,Jackson,CO	0	787911
	Z432	Park,MT	Park,MT	0	830218

### APPENDIX III

<b>Table 1</b>				
<b>The Population Represented by Z PSUs in the CE Sample</b>				
	PSU	Population Represented	Percent of Total	Expected Number of Interviewed Households
Z102	Somerset, ME	894,407	3.7%	15
Z104	Allegany-Wyoming, NY	1,344,960	5.5%	22
Z206	Southwest Kansas, KS	2,045,781	8.4%	34
Z208	Southeast South Dakota, SD	1,510,671	6.2%	25
Z210	Holmes, OH	1,857,581	7.6%	30
Z212	Lincoln-Oneida, WI	2,206,168	9.1%	36
Z314	Jenkins-Screven, GA	1,869,678	7.7%	31
Z316	Haywood, NC	1,774,186	7.3%	29
Z318	Izard-Stone, AR	1,880,013	7.7%	31
Z320	Cocke-Jefferson, TN	2,468,330	10.1%	41
Z322	Floyd-Johnson-Pike, KY	2,282,224	9.4%	38
Z324	Montague, TX	1,357,912	5.6%	22
Z426	Tuolumne, CA	656,279	2.7%	11
Z428	Jefferson-Wheeler, OR	570,223	2.3%	9
Z430	Grand-Jackson, CO	787,911	3.2%	13
Z432	Park, MT	830,218	3.4%	14
<b>Total</b>		<b>24,336,542</b>	<b>100.0%</b>	<b>400</b>

### APPENDIX III (Continued)

<b>Table 2</b>			
<b>The Population Represented by X PSUs in the CE Sample</b>			
	PSU	Population Represented	Percent of the Region-Size Class Total
X102	Reading, PA	3,583,761	32.9%
X104	Syracuse, NY	2,528,670	23.2%
X106	Providence-Warwick, RI	2,079,175	19.1%
X108	Sharon-Hermitage, PA	2,700,148	24.8%
<b>Total</b>		<b>10,891,754</b>	<b>100.0%</b>
X210	Madison, WI	2,163,881	8.7%
X212	Milwaukee, WI	2,393,317	9.7%
X214	South Bend-Mishawaka, IN	2,883,225	11.6%
X216	Rochester, MN	1,160,986	4.7%
X218	Cincinnati, OH	2,728,487	11.0%
X220	Decatur, IL	2,381,926	9.6%
X222	Lincoln, NE	1,839,536	7.4%
X224	Elkhart-Goshen, IN	1,734,347	7.0%
X226	Kansas City, MO	2,455,863	9.9%
X228	Saginaw, MI	1,899,121	7.7%
X230	Springfield, MO	1,385,014	5.6%
X232	Youngstown-Warren, OH	1,757,348	7.1%
<b>Total</b>		<b>24,783,051</b>	<b>100.0%</b>
X334	Tulsa, OK	2,722,702	5.7%
X336	Roanoke, VA	2,829,211	6.1%
X338	San Antonio, TX	2,809,510	5.9%
X340	Baton Rouge, LA	2,894,012	6.1%
X342	Louisville, KY-IN	2,633,499	5.5%
X344	Greenville, SC	2,945,842	6.2%
X346	Virginia Beach-Norfolk-Newport News, VA	2,668,196	5.6%
X348	Clarksville-Hopkinsville, TN-KY	1,946,709	4.1%
X350	Ocala, FL	2,262,812	4.8%
X352	Cape Coral-Fort Myers, FL	2,889,638	6.1%
X354	New Orleans, LA	2,912,761	6.1%
X356	Florence, SC	2,937,317	6.2%
X358	Knoxville, TN	2,884,164	6.1%
X360	Tuscaloosa, AL	2,171,431	4.6%
X362	Killeen-Temple-Fort Hood, TX	2,633,420	5.5%
X364	Jacksonville, FL	2,938,088	6.2%
X366	El Paso, TX	1,489,948	3.1%
X368	Birmingham, AL	2,948,082	6.2%
<b>Total</b>		<b>47,517,342</b>	<b>100.0%</b>
X470	Sacramento, CA-NV	2,604,885	16.3%
X472	Boise City, ID	1,688,864	10.6%
X474	Las Vegas-Paradise-Sparks, NV	2,254,594	14.1%
X476	Bellingham, WA	1,686,680	10.6%
X478	Fresno, CA	2,477,516	15.5%
X480	Merced, CA	1,759,160	11.0%
X482	Provo-Orem, UT	1,739,315	10.9%
X484	Yuma, AZ	1,733,421	10.9%
<b>Total</b>		<b>15,944,435</b>	<b>100.0%</b>

### APPENDIX III (Continued)

<b>Table 3</b>		
<b>The Population Represented by Y PSUs in the CE Sample</b>		
PSU	Population Represented	Percent of the Region-Size Class Total
Y102 Augusta-Waterville, ME	1,360,710	46.2%
Y104 Ithaca, NY	1,582,049	53.8%
<b>Total</b>	<b>2,942,759</b>	<b>100.0%</b>
Y206 Whitewater, MI	1,995,083	22.9%
Y208 Bellefontaine, OH	2,372,713	27.2%
Y210 Brookings, SD	1,977,966	22.7%
Y212 Macomb, IL	2,372,053	27.2%
<b>Total</b>	<b>8,717,815</b>	<b>100.0%</b>
Y314 Valdosta, GA	1,965,379	15.9%
Y316 Henderson, NC	2,270,576	18.4%
Y318 Eagle Pass, TX	1,883,169	15.3%
Y320 Picayune, MS	1,982,772	16.1%
Y322 Winchester, VA-WV	2,344,185	19.0%
Y324 Greenwood, MS	1,876,665	15.2%
<b>Total</b>	<b>12,322,746</b>	<b>100.0%</b>
Y426 Newport, OR	1,276,861	24.2%
Y428 Bend, OR	1,167,215	22.1%
Y430 El Centro, CA	1,438,782	27.3%
Y432 Prescott, AZ	1,391,696	26.4%
<b>Total</b>	<b>5,274,554</b>	<b>100.0%</b>



## APPENDIX IV

### RECORD LAYOUT FOR BLS' SELECTED PSUs FOR THE CPI and CE-ONLY PSU DEFINITION FILES (census2000cpi.sdf and census2000ce.sdf)

1. Region code (1 digit) - 1/1
2. Pad - 2/1
3. FIPS State code (2 digits) - 3/2
4. Pad - 5/1
5. FIPS County code (3 digits) - 6/3
6. Pad - 9/1
17. 2000 Stratification PSU number (4 digits) 10/4
18. Pad - 14/1
25. SR/NSR Indicator (1 digit): 1=SR, 2=NSR - 15/1
26. Pad - 16/1
43. Stratum total population (8 digits) - 17/8
44. Pad - 25/1
27. PSU Unconditional Probability of Selection (8 decimal places) - 26/10

The numbers before and after the slash are starting position of field/length of field.

Note: The data file (census2000cpi.sdf) contains all of the CPI PSUs listed as A, X, and Y PSUs in Appendix II. The data file (census2000ce.sdf) of CE Only PSUs contains the Z PSUs listed in Appendix II. They are not to be used for CPI Permit New Construction or TPOPS.