

1990 Census of Population and Housing Public Use Microdata Samples (PUMS): PUMA Maps. Technical Documentation

D1-D90-PUMS-14-TECHM

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U.S. Department of
Commerce
Economic and Statistics
Administration
U.S. Census Bureau



1990 Census of
Population and Housing

**Public Use
Microdata
Samples**
United States

**TECHNICAL
DOCUMENTATION**

Issued July 1993



U.S. Department of Commerce
Ronald H. Brown, Secretary
Economics and Statistics Administration
BUREAU OF THE CENSUS
Harry A. Scarr, Acting Director



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Administration**



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This documentation was prepared by persons in the Microdata Access Branch, Data User Services Division. **Carmen D. Campbell**, **Ramala Basu**, and **Shelly T. Moody** developed the technical documentation, under the direction of **Marie G. Argana**, Assistant Division Chief (User Data Services). **Vickie L. Cotton**, **Evelyn Proctor**, **Jeong S. Kim**, **Arnold Goldstein**, **James Clark**, **Tawana Wilson**, and **Tina Egan** were all part of an interdivisional team that made significant contributions toward the development of the Public Use Microdata Samples.

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The files should be cited as follows:

Census of Population and Housing, 1990: Public Use Microdata Samples U.S. [machine-readable data files] / prepared by the Bureau of the Census. —Washington: The Bureau [producer and distributor], 1992.

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For additional information concerning purchasing the files, contact Data User Services Division, Customer Services Branch, Bureau of the Census, Washington, DC 20233. Telephone: 301-763-4100.

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UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

June, 1993

To: Census of Population and Housing, 1990: Public Use Microdata
Samples - United States
Data Users

From: Data Users Services Division
Bureau of the Census

Attached are User Notes 1, 2 and 3 for the 1990 Public Use Microdata Samples - U.S. data. Please file the user notes in the technical documentation as directed. It is probably a good idea to file the user note transmittal sheets in the user note section. Included in the user notes are revised pages that have been corrected for typographical errors. Corrections made on these pages are marked with an asterisk.

These notes are sent automatically without charge to Census Bureau tape purchasers. They are available to others on a subscription basis at a cost of \$40 annually. To subscribe, contact Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233.

User notes are available upon release from the State and Regional Programs electronic bulletin board. The bulletin board can be accessed on (301) 763-7554.



**CENSUS OF POPULATION AND HOUSING, 1990:
PUBLIC USE MICRODATA SAMPLES**

USER NOTE 1

These are the first set of maps for Appendix G. We will release the PUMS maps on a flow basis until the series is completed. Please refer to the electronic equivalency files which accompanied your computer tape, for the components of each PUMA. Please place maps in Appendix G.



APPENDIX G. PUMS MAPS

These are the maps which show the PUMAs for the 5% and 1% PUMS files. These maps are for user convenience. The detailed components of the Public Use Microdata Areas (PUMAs) are presented in the equivalency files which accompanied your tapes.

In some states, one or more PUMAs include noncontiguous parts. These PUMAs are noted on the maps with "(part)" next to the PUMA number. These PUMAs may occur for several reasons. On the 1% file, every effort was made to separate metropolitan areas from non-metropolitan areas. On the 5% file, every effort was made to keep meaningful socio-economic or planning areas together. In sparsely populated areas, it may have been necessary to delineate PUMAs with noncontiguous parts to meet the minimum population criterion when the adjacent counties belonged to a metropolitan area or a local planning area.

NOTE: There will be three PUMS files for the U.S.: 5%, 1% and 3%. PUMS files are available on a state-by-state basis for the 5%, 1% and 3% samples. There is no national file per se available from the Census Bureau. A user must acquire (use) all of the respective state files (or have a third party draw extracts from them) to get a national sample. Because of budgetary restraints, the 1/1000 extract products were not produced for 1990.

The records from each state's 1% file where the PUMAs crossed statelines appear on the state "99" file which will accompany all 1% file orders. Users of the 1% file can locate records of choice by searching under the appropriate MSA/PMSA codes. See the listing of these PUMAs beginning on page G-1.

The 3% file - elderly PUMS - has the same geographical components as the 5% PUMS. We equated the State Planning Service Areas (PSAs) to the 5% PUMAs whenever the two were equal. If the two were not equivalent, the PSA code is 000. Each elderly (3%) file is accompanied by an equivalency file which has both codes. See the equivalency file for the listing of components.



1% PUMS STATE "99" FILE
States with PUMAs Crossing State Lines

STATE: 10 PUMA: 85800 MSA/PMSA: 9160
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
New Castle County	441946	10	003				9160

STATE: 24 PUMA: 85800 MSA/PMSA: 9160
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Cecil County	71347	24	015				9160

STATE: 34 PUMA: 85800 MSA/PMSA: 9160
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Salem County	65294	34	033				9160

TOTAL POPULATION: 578587
 =====

STATE: 27 PUMA: 87900 MSA/PMSA: 5120
 TYPE OF AREA: MSA/PMSA - OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Chisago County	30521	27	025				5120
Isanti County	25921	27	059				5120

STATE: 55 PUMA: 87900 MSA/PMSA: 5120
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
St. Croix County	50251	55	109				5120

TOTAL POPULATION: 106693
 =====

STATE: 18 PUMA: 89500 MSA/PMSA: 1640
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Dearborn County	38835	18	029				1640

STATE: 39 PUMA: 89500 MSA/PMSA: 1640
 TYPE OF AREA: CENTRAL CITY (PART) & OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Addyston village	1198	39	061		0020		1640
Cleves village	2208	39	061		0910		1640
Dent CDP	6416	39	061		1157		1640
Grandview CDP	1301	39	061		1618		1640
Groesbeck CDP	6684	39	061		1673		1640
Harrison city	7518	39	061		1745		1640
Mack North CDP	2816	39	061		2388		1640
Mack South CDP	5767	39	061		2392		1640

North Bend village	541	39	061		3100	1640
Northgate CDP	7864	39	061		3124	1640
White Oak West CDP	2879	39	061		4694	1640
Cheviot city (part)	95	39	061	009	0840 020802	1640
Cheviot city (part)	3297	39	061	009	0840 020901	1640
Cheviot city (part)	6059	39	061	009	0840 020902	1640
Cheviot city (part)	68	39	061	009	0840 021001	1640
Cincinnati city (part)	1159	39	061	010	0865 020801	1640
Cincinnati city (part)	73	39	061	010	0865 020901	1640
Cincinnati city (part)	47	39	061	010	0865 020902	1640
Cincinnati city (part)	97	39	061	010	0865 021202	1640
Cincinnati city (part)	222	39	061	010	0865 021401	1640
Mount Healthy Heights CDP (part)	178	39	061	015	2822 020505	1640
Northbrook CDP (part)	8039	39	061	015	3103 020704	1640
Pleasant Run CDP (part)	1865	39	061	015	3482 020504	1640
White Oak CDP (part)	618	39	061	015	4691 020701	1640
White Oak CDP (part)	8248	39	061	015	4691 020706	1640
White Oak CDP (part)	3274	39	061	015	4691 020707	1640
Hamilton County (part)	2010	39	061	015	9999 020501	1640
Hamilton County (part)	3302	39	061	015	9999 020502	1640
Hamilton County (part)	1242	39	061	015	9999 020504	1640
Hamilton County (part)	1502	39	061	015	9999 020601	1640
Hamilton County (part)	0	39	061	015	9999 020602	1640
Hamilton County (part)	127	39	061	015	9999 020701	1640
Hamilton County (part)	0	39	061	015	9999 026000	1640
Hamilton County (part)	2665	39	061	025	9999 026000	1640
Hamilton County (part)	104	39	061	030	9999 021102	1640
Hamilton County (part)	81	39	061	030	9999 021201	1640
Hamilton County (part)	6055	39	061	030	9999 021302	1640
Hamilton County (part)	5092	39	061	030	9999 021303	1640
Hamilton County (part)	4501	39	061	030	9999 021304	1640
Hamilton County (part)	5320	39	061	030	9999 021401	1640
Hamilton County (part)	8168	39	061	030	9999 021402	1640
Bridgetown North CDP (part)	410	39	061	040	0528 020602	1640
Bridgetown North CDP (part)	734	39	061	040	0528 020802	1640
Bridgetown North CDP (part)	514	39	061	040	0528 020901	1640
Bridgetown North CDP (part)	3129	39	061	040	0528 021001	1640
Bridgetown North CDP (part)	3589	39	061	040	0528 021002	1640
Bridgetown North CDP (part)	3372	39	061	040	0528 021003	1640
Covedale CDP (part)	380	39	061	040	1022 021102	1640
Covedale CDP (part)	1126	39	061	040	1022 021201	1640
Covedale CDP (part)	4434	39	061	040	1022 021202	1640
Covedale CDP (part)	14	39	061	040	1022 021302	1640
Monfort Heights East CDP (part)	3645	39	061	040	2742 020801	1640
Monfort Heights South CDP (part)	532	39	061	040	2744 020602	1640
Monfort Heights South CDP (part)	3836	39	061	040	2744 020802	1640
Monfort Heights South CDP (part)	42	39	061	040	2744 020901	1640
Monfort Heights South CDP (part)	93	39	061	040	2744 020902	1640
White Oak East CDP (part)	2317	39	061	040	4692 020706	1640
White Oak East CDP (part)	1014	39	061	040	4692 020801	1640
Hamilton County (part)	426	39	061	040	9999 020601	1640
Hamilton County (part)	1903	39	061	040	9999 020801	1640
Hamilton County (part)	874	39	061	040	9999 021201	1640
Hamilton County (part)	1076	39	061	040	9999 021202	1640
Hamilton County (part)	2513	39	061	045	9999 026000	1640
Hamilton County (part)	2114	39	061	045	9999 026100	1640
Hamilton County (part)	6304	39	061	054	9999 020402	1640
Hamilton County (part)	0	39	061	054	9999 026000	1640
North College Hill city (part)	0	39	061	059	3110 020706	1640
Hamilton County (part)	537	39	061	075	9999 020706	1640
Hamilton County (part)	0	39	061	090	9999 020402	1640
Hamilton County (part)	1868	39	061	090	9999 026000	1640
Hamilton County (part)	1019	39	061	090	9999 026100	1640
Hamilton County (part)	2291	39	061	090	9999 026200	1640

TOTAL POPULATION: 207641

STATE: 05 PUMA: 92500 MSA/PMSA: 4920
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Crittenden County	49939	05	035				4920

STATE: 28 PUMA: 92500 MSA/PMSA: 4920
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
DeSoto County	67910	28	033				4920

STATE: 47 PUMA: 92500 MSA/PMSA: 4920
TYPE OF AREA: MSA/PMSA - OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Tipton County	37568	47	167				4920

TOTAL POPULATION: 155417
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STATE: 34 PUMA: 93500 MSA/PMSA: 0240
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Warren County	91607	34	041				0240

STATE: 42 PUMA: 93500 MSA/PMSA: 0240
TYPE OF AREA: MSA/PMSA - OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Carbon County	56846	42	025				0240

TOTAL POPULATION: 148453
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STATE: 19 PUMA: 94000 MSA/PMSA: 5920
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Pottawattamie County	82628	19	155				5920

STATE: 31 PUMA: 94000 MSA/PMSA: 5920
TYPE OF AREA: CENTRAL CITY (PART) & OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Omaha city (part)	1605	31	055	075	1825	000500	5920
Washington County	16607	31	177				5920

TOTAL POPULATION: 100840
=====

STATE: 47 PUMA: 94500 MSA/PMSA: 3660
TYPE OF AREA: CENTRAL CITY (PART) & OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Hawkins County	44565	47	073				3660

STATE: 51 PUMA: 94500 MSA/PMSA: 3660
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Scott County	23204	51	169				3660
Washington County	45887	51	191				3660
Bristol city	18426	51	520				3660

TOTAL POPULATION: 132082

STATE: 17 PUMA: 95900 MSA/PMSA: 1960
 TYPE OF AREA: MSA/PMSA - OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Henry County	51159	17	073				1960
Andalusia village	1052	17	161		0135		1960
Carbon Cliff village	1492	17	161		0860		1960
Coal Valley village	2632	17	161		1160		1960
Cordova village	638	17	161		1245		1960
East Moline city	20147	17	161		1640		1960
Hampton village	1601	17	161		2425		1960
Hillsdale village	489	17	161		2615		1960
Milan village	5831	17	161		3730		1960
Oak Grove village	626	17	161		4275		1960
Port Byron village	1002	17	161		4735		1960
Rapids City village	932	17	161		4815		1960
Reynolds village	506	17	161		4845		1960
Silvis city	6926	17	161		5350		1960
Rock Island County (part)	575	17	161	005	9999	024102	1960
Rock Island County (part)	272	17	161	005	9999	024103	1960
Rock Island County (part)	631	17	161	010	9999	024101	1960
Rock Island County (part)	739	17	161	010	9999	024102	1960
Rock Island County (part)	207	17	161	010	9999	024200	1960
Rock Island County (part)	781	17	161	010	9999	024300	1960
Rock Island County (part)	1205	17	161	015	9999	024101	1960
Rock Island County (part)	679	17	161	015	9999	024102	1960
Rock Island County (part)	656	17	161	015	9999	024103	1960
Rock Island County (part)	838	17	161	020	9999	024103	1960
Rock Island County (part)	272	17	161	025	9999	020100	1960
Rock Island County (part)	1456	17	161	030	9999	024000	1960
Rock Island County (part)	14	17	161	030	9999	024101	1960
Rock Island County (part)	466	17	161	030	9999	024300	1960
Rock Island County (part)	1514	17	161	035	9999	020100	1960
Rock Island County (part)	373	17	161	040	9999	020100	1960
Rock Island County (part)	715	17	161	045	9999	024103	1960
Rock Island County (part)	225	17	161	050	9999	024102	1960
Rock Island County (part)	888	17	161	050	9999	024103	1960
Rock Island County (part)	776	17	161	055	9999	020100	1960
Rock Island County (part)	1137	17	161	055	9999	020200	1960
Rock Island County (part)	128	17	161	055	9999	020300	1960
Rock Island County (part)	1326	17	161	055	9999	020400	1960
Rock Island County (part)	392	17	161	055	9999	020600	1960
Rock Island County (part)	349	17	161	055	9999	020800	1960
Rock Island County (part)	308	17	161	055	9999	020900	1960
Rock Island County (part)	48	17	161	065	9999	020100	1960
Rock Island County (part)	1207	17	161	075	9999	024101	1960
Rock Island County (part)	0	17	161	080	9999	020600	1960
Rock Island County (part)	11	17	161	080	9999	020800	1960
Rock Island County (part)	646	17	161	080	9999	021100	1960
Rock Island County (part)	12	17	161	080	9999	021200	1960
Rock Island County (part)	26	17	161	080	9999	021800	1960
Rock Island County (part)	1105	17	161	080	9999	021900	1960
Rock Island County (part)	75	17	161	080	9999	022000	1960
Rock Island County (part)	0	17	161	080	9999	022100	1960
Rock Island County (part)	0	17	161	080	9999	023000	1960
Rock Island County (part)	64	17	161	085	9999	023000	1960
Rock Island County (part)	81	17	161	085	9999	023100	1960
Rock Island County (part)	686	17	161	090	9999	020100	1960

STATE: 19 PUMA: 95900 MSA/PMSA: 1960
 TYPE OF AREA: MSA/PMSA - OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Bettendorf city	28132	19	163		0395		1960
Blue Grass city	1214	19	163		0445		1960
Buffalo city	1260	19	163		0552		1960
Dixon city	202	19	163		1165		1960
Donahue city	316	19	163		1175		1960
Durant city	2	19	163		1250		1960
Eldridge city	3378	19	163		1320		1960
Le Claire city	2734	19	163		2325		1960
Long Grove city	605	19	163		2480		1960
McCausland city	308	19	163		2555		1960
Maysville city	170	19	163		2745		1960
New Liberty city	139	19	163		3045		1960
Panorama Park city	127	19	163		3330		1960
Park View CDP	2192	19	163		3337		1960
Princeton city	806	19	163		3505		1960
Riverdale city	433	19	163		3665		1960
Walcott city	1356	19	163		4410		1960
Scott County (part)	72	19	163	005	9999	010200	1960
Scott County (part)	487	19	163	005	9999	010300	1960
Scott County (part)	1332	19	163	015	9999	010400	1960
Scott County (part)	35	19	163	015	9999	012400	1960
Scott County (part)	368	19	163	015	9999	012500	1960
Scott County (part)	2332	19	163	020	9999	010400	1960
Scott County (part)	18	19	163	020	9999	012400	1960
Scott County (part)	312	19	163	025	9999	010101	1960
Scott County (part)	538	19	163	025	9999	010200	1960
Scott County (part)	463	19	163	030	9999	010300	1960
Scott County (part)	26	19	163	045	9999	010200	1960
Scott County (part)	509	19	163	045	9999	010300	1960
Scott County (part)	1391	19	163	050	9999	010101	1960
Scott County (part)	157	19	163	050	9999	010102	1960
Scott County (part)	549	19	163	055	9999	010300	1960
Scott County (part)	246	19	163	060	9999	010101	1960
Scott County (part)	335	19	163	060	9999	010200	1960
Scott County (part)	854	19	163	065	9999	010102	1960
Scott County (part)	133	19	163	065	9999	013702	1960
Scott County (part)	628	19	163	070	9999	010101	1960
Scott County (part)	667	19	163	075	9999	010200	1960
Scott County (part)	820	19	163	080	9999	010200	1960
Bettendorf city	28132	19	163		0395		1960
Blue Grass city	1214	19	163		0445		1960
Buffalo city	1260	19	163		0552		1960
Dixon city	202	19	163		1165		1960
Donahue city	316	19	163		1175		1960
Durant city	2	19	163		1250		1960
Eldridge city	3378	19	163		1320		1960
Le Claire city	2734	19	163		2325		1960
Long Grove city	605	19	163		2480		1960
McCausland city	308	19	163		2555		1960
Maysville city	170	19	163		2745		1960
New Liberty city	139	19	163		3045		1960
Panorama Park city	127	19	163		3330		1960
Park View CDP	2192	19	163		3337		1960
Princeton city	806	19	163		3505		1960
Riverdale city	433	19	163		3665		1960
Walcott city	1356	19	163		4410		1960
Scott County (part)	72	19	163	005	9999	010200	1960
Scott County (part)	487	19	163	005	9999	010300	1960
Scott County (part)	1332	19	163	015	9999	010400	1960
Scott County (part)	35	19	163	015	9999	012400	1960
Scott County (part)	368	19	163	015	9999	012500	1960
Scott County (part)	2332	19	163	020	9999	010400	1960
Scott County (part)	18	19	163	020	9999	012400	1960
Scott County (part)	312	19	163	025	9999	010101	1960

Scott County (part)	538	19	163	025	9999	010200	1960
Scott County (part)	463	19	163	030	9999	010300	1960
Scott County (part)	26	19	163	045	9999	010200	1960
Scott County (part)	509	19	163	045	9999	010300	1960
Scott County (part)	1391	19	163	050	9999	010101	1960
Scott County (part)	157	19	163	050	9999	010102	1960
Scott County (part)	549	19	163	055	9999	010300	1960
Scott County (part)	246	19	163	060	9999	010101	1960
Scott County (part)	335	19	163	060	9999	010200	1960
Scott County (part)	854	19	163	065	9999	010102	1960
Scott County (part)	133	19	163	065	9999	013702	1960
Scott County (part)	628	19	163	070	9999	010101	1960
Scott County (part)	667	19	163	075	9999	010200	1960
Scott County (part)	820	19	163	080	9999	010200	1960

TOTAL POPULATION: 171562

STATE: 17 PUMA: 96000 MSA/PMSA: 1960
TYPE OF AREA: CENTRAL CITY (PART) & OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Moline city	43202	17	161		3805		1960
Rock Island city	40552	17	161		4970		1960
Rock Island County (part)	0	17	161	060	9999	021400	1960
Rock Island County (part)	0	17	161	060	9999	022100	1960
Rock Island County (part)	0	17	161	060	9999	022400	1960
Rock Island County (part)	156	17	161	060	9999	022500	1960
Rock Island County (part)	0	17	161	070	9999	022400	1960
Rock Island County (part)	56	17	161	070	9999	022500	1960

STATE: 19 PUMA: 96000 MSA/PMSA: 1960
TYPE OF AREA: CENTRAL CITY

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Davenport city	95333	19	163		1040		1960

TOTAL POPULATION: 179299

STATE: 21 PUMA: 96300 MSA/PMSA: 3400
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Boyd County	51150	21	019				3400
Carter County	24340	21	043				3400
Greenup County	36742	21	089				3400

STATE: 39 PUMA: 96300 MSA/PMSA: 3400
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Lawrence County	61834	39	087				3400

STATE: 54 PUMA: 96300 MSA/PMSA: 3400
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Cabell County	96827	54	011				3400
Wayne County	41636	54	099				3400

TOTAL POPULATION: 312529

STATE: 18 PUMA: 96600 MSA/PMSA: 2440
 TYPE OF AREA: MSA/PMSA - OUTSIDE CENTRAL CITY (PART)

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Posey County	25968	18	129				2440
Warrick County	44920	18	173				2440

STATE: 21 PUMA: 96600 MSA/PMSA: 2440
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Henderson County	43044	21	101				2440

TOTAL POPULATION: 113932
 =====

STATE: 01 PUMA: 97200 MSA/PMSA: 1800
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Russell County	46860	01	113				1800

STATE: 13 PUMA: 97200 MSA/PMSA: 1800
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Chattahoochee County	16934	13	053				1800
Muscogee County	179278	13	215				1800

TOTAL POPULATION: 243072
 =====

STATE: 27 PUMA: 97500 MSA/PMSA: 2240
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
St. Louis County	198213	27	137				2240

STATE: 55 PUMA: 97500 MSA/PMSA: 2240
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Douglas County	41758	55	031				2240

TOTAL POPULATION: 239971
 =====

STATE: 23 PUMA: 97800 MSA/PMSA: 6400
 TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Cape Neddick CDP	2193	23	031		0835		6400
York County (part)	0	23	031	000	9999	005400	6400
York County (part)	0	23	031	000	9999	025400	6400
York County (part)	0	23	031	000	9999	027000	6400
York County (part)	0	23	031	000	9999	028000	6400
York County (part)	0	23	031	000	9999	034000	6400
York County (part)	0	23	031	000	9999	036000	6400
York County (part)	0	23	031	000	9999	038000	6400

STATE: 23 PUMA: 97800 MSA/PMSA: 6450
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Kittery CDP	5151	23	031		2370		6450
Kittery Point CDP	1093	23	031		2380		6450
North Berwick CDP	1568	23	031		3290		6450
South Eliot CDP	3112	23	031		4210		6450
York Harbor CDP	2555	23	031		5290		6450
Berwick town	5995	23	031	020			6450
Eliot town (part)	2217	23	031	045	9999	037000	6450
Kittery town (part)	0	23	031	065	9999	037000	6450
Kittery town (part)	3128	23	031	065	9999	038000	6450
North Berwick town (part)	0	23	031	095	9999	032000	6450
North Berwick town (part)	2225	23	031	095	9999	033000	6450
Ogunquit town	974	23	031	097			6450
South Berwick town	5877	23	031	125			6450
Wells town	7778	23	031	135			6450
York town (part)	7	23	031	140	9999	034000	6450
York town (part)	5063	23	031	140	9999	036000	6450

STATE: 33 PUMA: 97800 MSA/PMSA: 9997
TYPE OF AREA: MIXED MSA/PMSA/NON-MSA/PMSA AREA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Rockingham County (part)	0	33	015	000	9999	065000	4160
Atkinson town	5188	33	015	005			4160
Brentwood town	2590	33	015	015			4160
East Kingston town	1352	33	015	045			4160
Hampstead town	6732	33	015	070			4160
Kingston town	5591	33	015	090			4160
Newton town	3473	33	015	120			4160
Plaistow town	7316	33	015	140			4160
Salem town	25746	33	015	160			4160
Sandown town	4060	33	015	165			4160
Seabrook town	6503	33	015	170			4160
Windham town	9000	33	015	185			4160
Exeter CDP	9556	33	015		0810		6450
Hampton CDP	7989	33	015		1090		6450
Portsmouth city	25925	33	015		2170		6450
Exeter town (part)	2925	33	015	055	9999	061000	6450
Greenland town	2768	33	015	065			6450
Hampton town (part)	4289	33	015	075	9999	065000	6450
New Castle town	840	33	015	100			6450
Newfields town	888	33	015	105			6450
Newington town	990	33	015	110			6450
North Hampton town	3637	33	015	125			6450
Rye town	4612	33	015	155			6450
Stratham town	4955	33	015	180			6450
Epping CDP	1384	33	015		0779		9999
Epping town (part)	3778	33	015	050	9999	059000	9999
Fremont town	2576	33	015	060			9999
Hampton Falls town	1503	33	015	080			9999
Kensington town	1631	33	015	085			9999
South Hampton town	740	33	015	175			9999

TOTAL POPULATION: 207473

STATE: 05 PUMA: 98100 MSA/PMSA: 2720
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Crawford County	42493	05	033				2720
Sebastian County	99590	05	131				2720

STATE: 40 PUMA: 98100 MSA/PMSA: 2720
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Sequoyah County	33828	40	135				2720

TOTAL POPULATION: 175911
=====

STATE: 21 PUMA: 98300 MSA/PMSA: 1660
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Christian County	68941	21	047				1660

STATE: 47 PUMA: 98300 MSA/PMSA: 1660
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Montgomery County	100498	47	125				1660

TOTAL POPULATION: 169439
=====

STATE: 39 PUMA: 98500 MSA/PMSA: 9000
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Belmont County	71074	39	013				9000

STATE: 54 PUMA: 98500 MSA/PMSA: 9000
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Marshall County	37356	54	051				9000
Ohio County	50871	54	069				9000

TOTAL POPULATION: 159301
=====

STATE: 27 PUMA: 98700 MSA/PMSA: 2520
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Clay County	50422	27	027				2520

STATE: 38 PUMA: 98700 MSA/PMSA: 2520
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Cass County	102874	38	017				2520

TOTAL POPULATION: 153296
=====

STATE: 39 PUMA: 98900 MSA/PMSA: 6020
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Washington County	62254	39	167				6020

STATE: 54 PUMA: 98900 MSA/PMSA: 6020
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Wood County	86915	54	107				6020

TOTAL POPULATION: 149169
=====

STATE: 39 PUMA: 99100 MSA/PMSA: 8080
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Jefferson County	80298	39	081				8080

STATE: 54 PUMA: 99100 MSA/PMSA: 8080
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Brooke County	26992	54	009				8080
Hancock County	35233	54	029				8080

TOTAL POPULATION: 142523
=====

STATE: 05 PUMA: 99300 MSA/PMSA: 8360
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Miller County	38467	05	091				8360

STATE: 48 PUMA: 99300 MSA/PMSA: 8360
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Bowie County	81665	48	037				8360

TOTAL POPULATION: 120132
=====

STATE: 19 PUMA: 99500 MSA/PMSA: 7720
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Woodbury County	98276	19	193				7720

STATE: 31 PUMA: 99500 MSA/PMSA: 7720
TYPE OF AREA: ENTIRE MSA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Dakota County	16742	31	043				7720

TOTAL POPULATION: 115018
=====

STATE: 24 PUMA: 99700 MSA/PMSA: 9997
TYPE OF AREA: MIXED MSA/PMSA/NON-MSA/PMSA AREA

NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Allegany County	74946	24	001				1900
Garrett County	28138	24	023				9999

STATE: 54 PUMA: 99700 MSA/PMSA: 1900
TYPE OF AREA: ENTIRE MSA

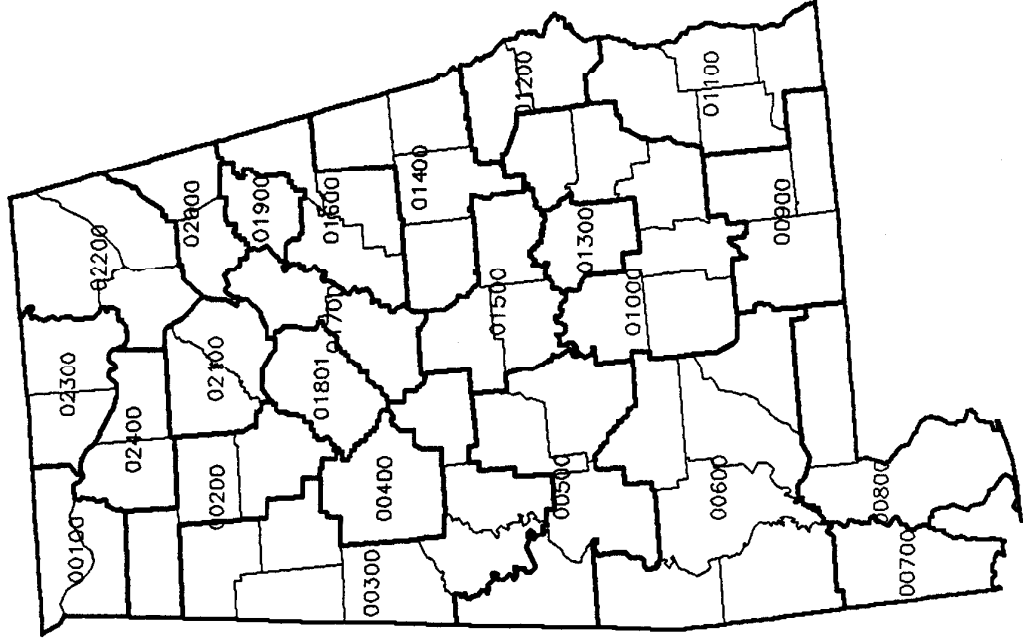
NAME	POPULATION	ST	COU	MCD	PLACE	TRACT	MSA/PMSA
Mineral County	26697	54	057				1900

TOTAL POPULATION: 129781



ALABAMA

5% PUMA BOUNDARIES



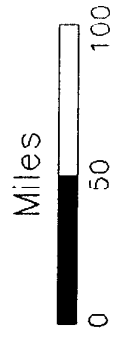
ALABAMA 5% PUMA BOUNDARIES

☐ Counties

☐ PUMA

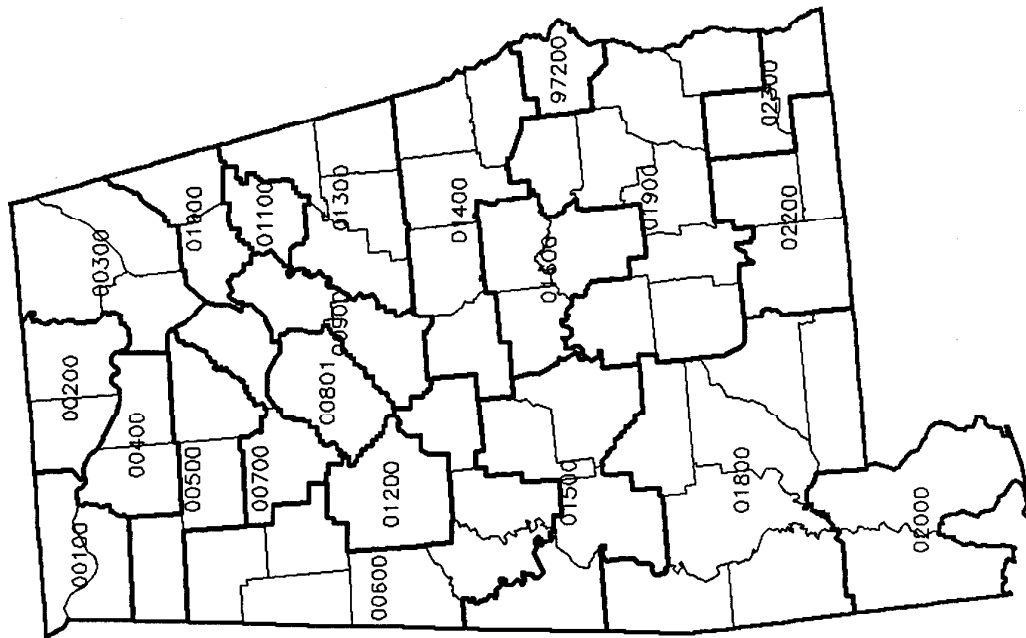
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JEFFERSON COUNTY PUMAS:
01801 - 01306





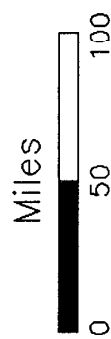
ALABAMA
1% PUMA BOUNDARIES



ALABAMA 1% PUMA BOUNDARIES

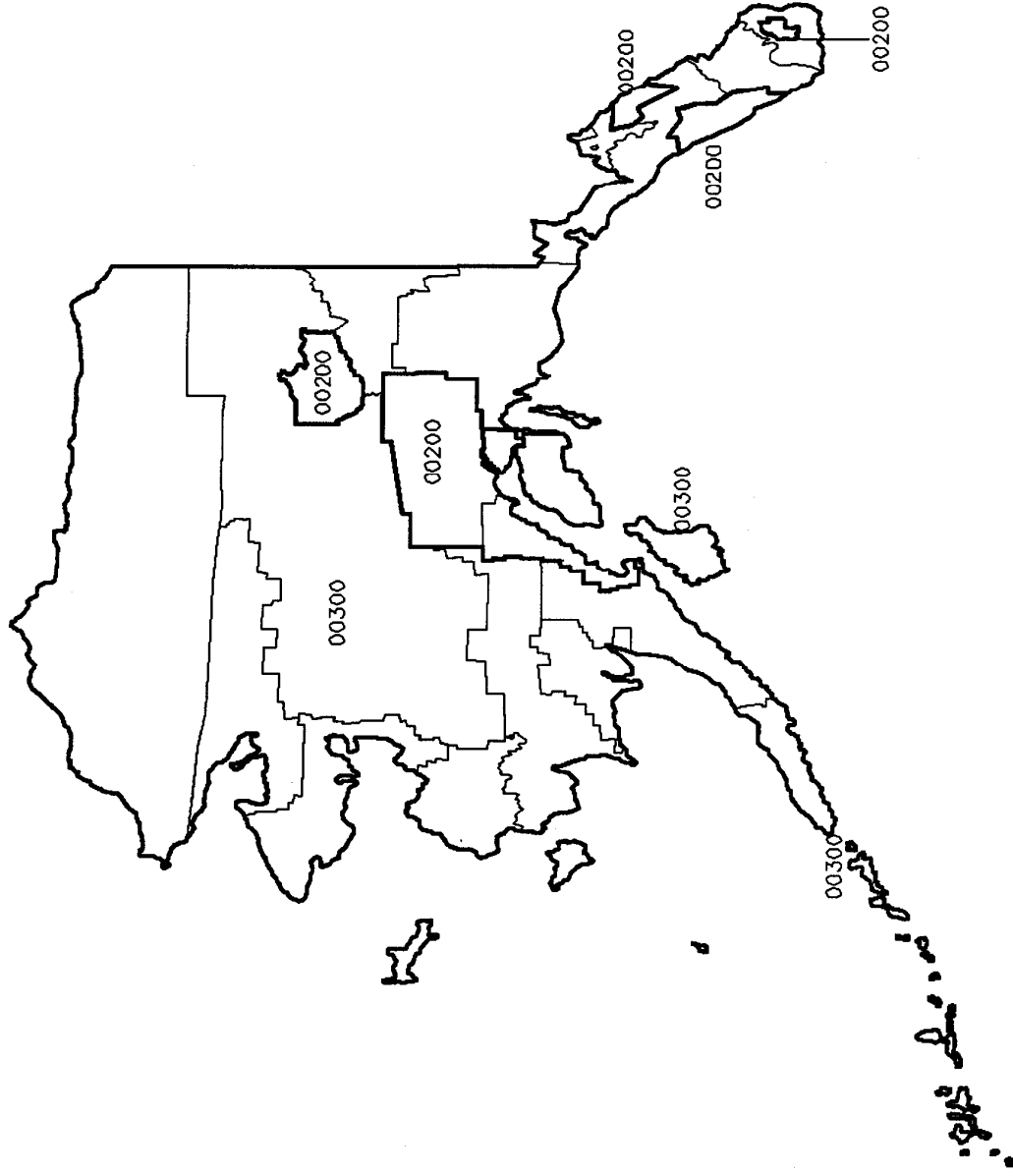
- ☐ Counties
- ☐ PUMA
- ☐ States

JEFFERSON COUNTY PUMAs:
8.01-8.06
MONTGOMERY CITY 17.00
MOBILE CITY 21.00





ALASKA
5% PUMA BOUNDARIES



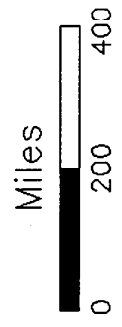
ALASKA 5% PUMA Boundaries

☐ Counties

☒ PUMA

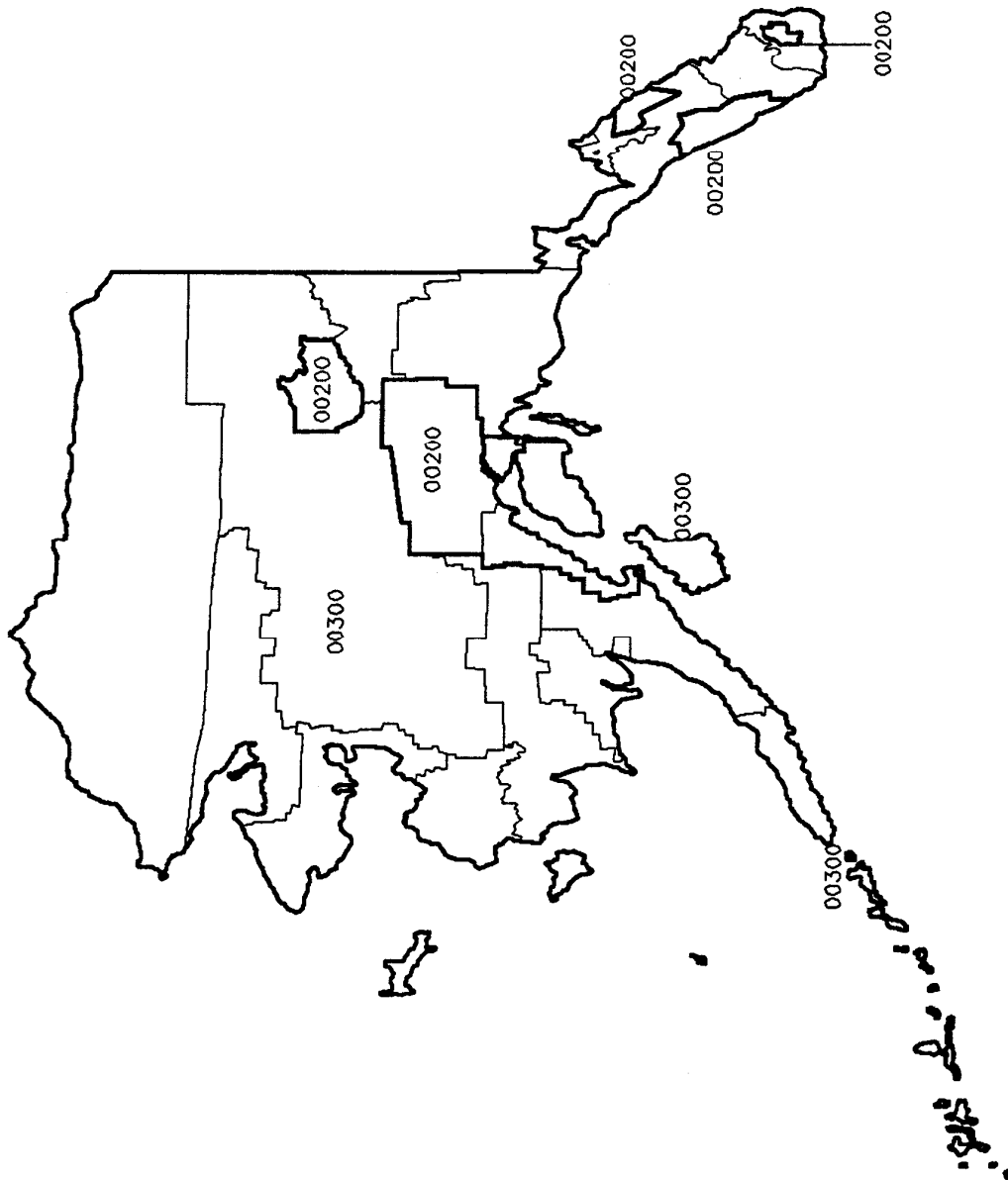
☐ States

PUMAS IN ANCHORAGE:
00101 AND 00102

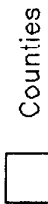




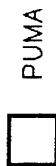
ALASKA
1% PUMA BOUNDARIES



ALASKA 1% PUMA Boundaries



Counties

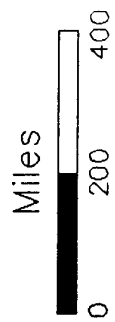


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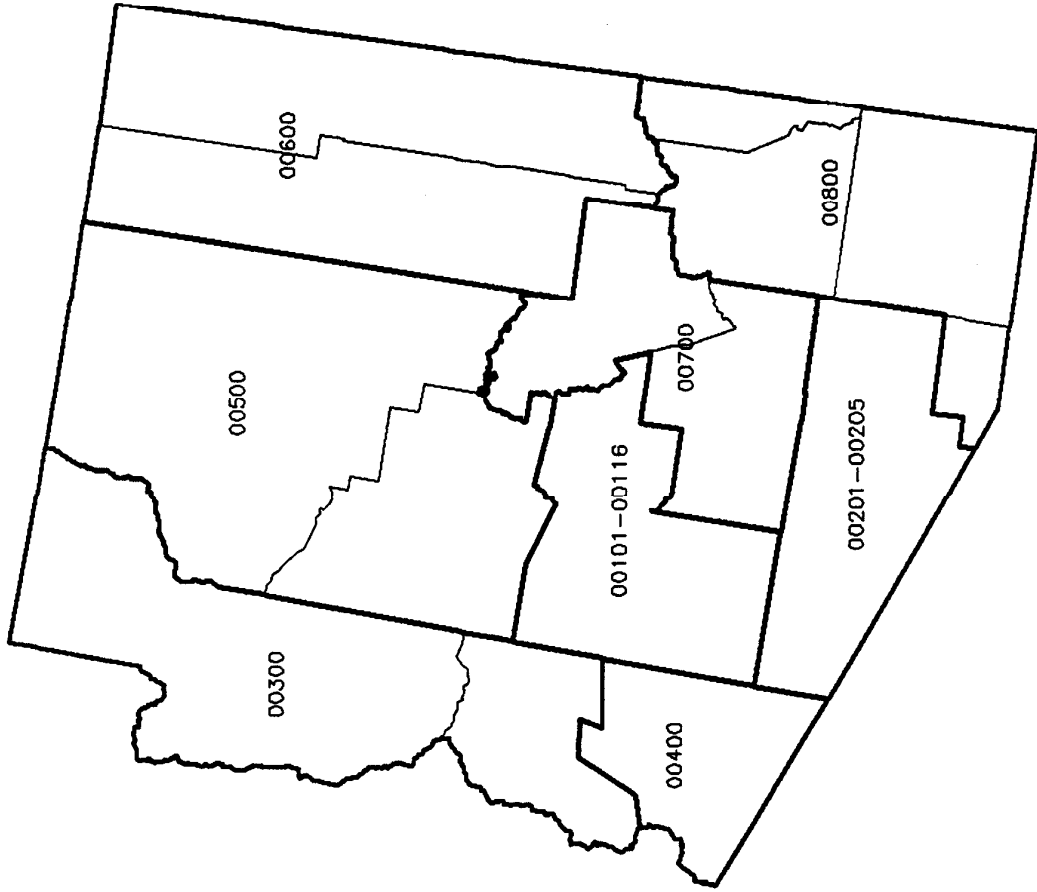
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PUMAS IN ANCHORAGE:
00101 AND 00102



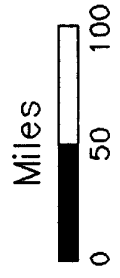


ARIZONA
5% PUMA BOUNDARIES



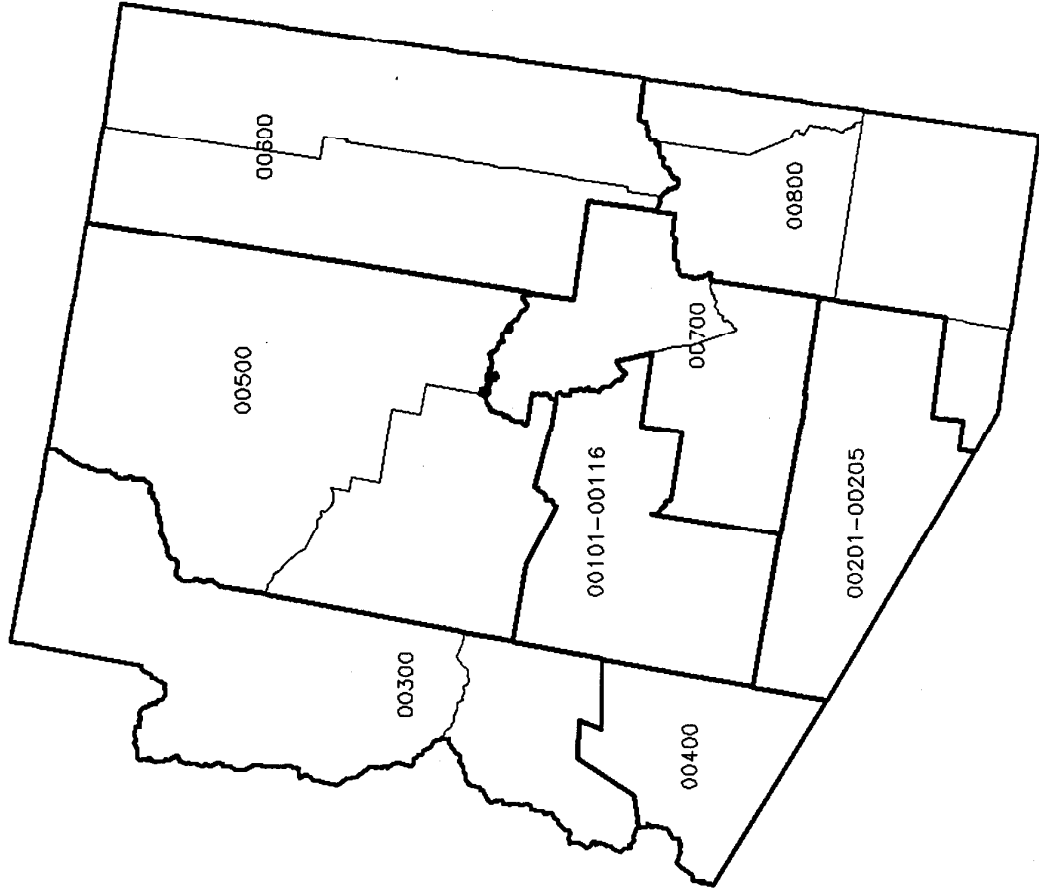
ARIZONA 5% PUMA Boundaries

- ☐ Counties
- ☐ PUMA
- ☐ States



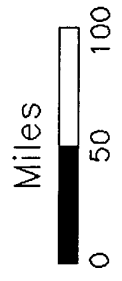


ARIZONA
1% PUMA BOUNDARIES



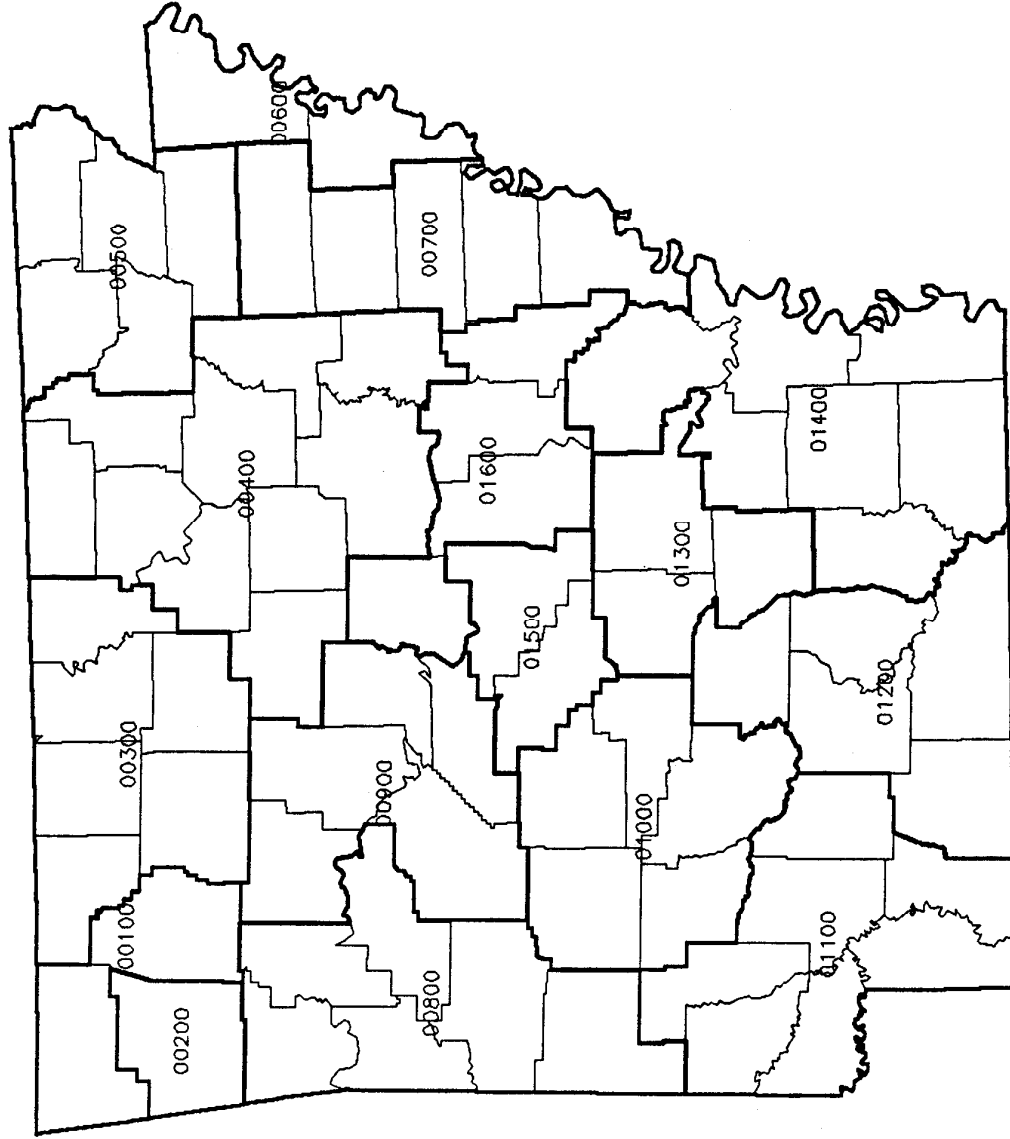
ARIZONA 1% PUMA Boundaries

- ☐ Counties
- ☐ PUMA
- ☐ States





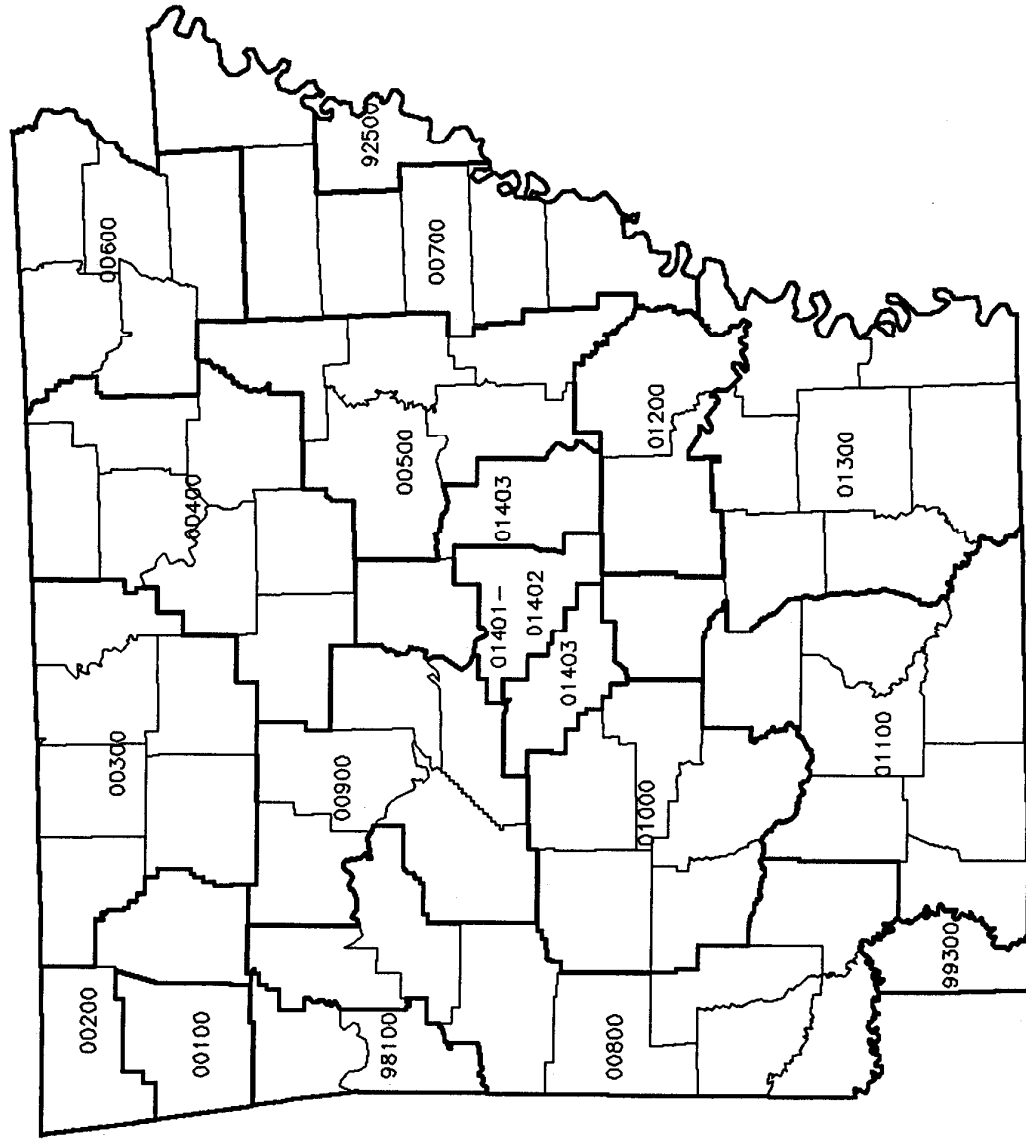
ARKANSAS 5% PUMA BOUNDARIES





ARKANSAS

1% PUMA BOUNDARIES



ARKANSAS 1% PUMA Boundaries

Counties



PUMA



States

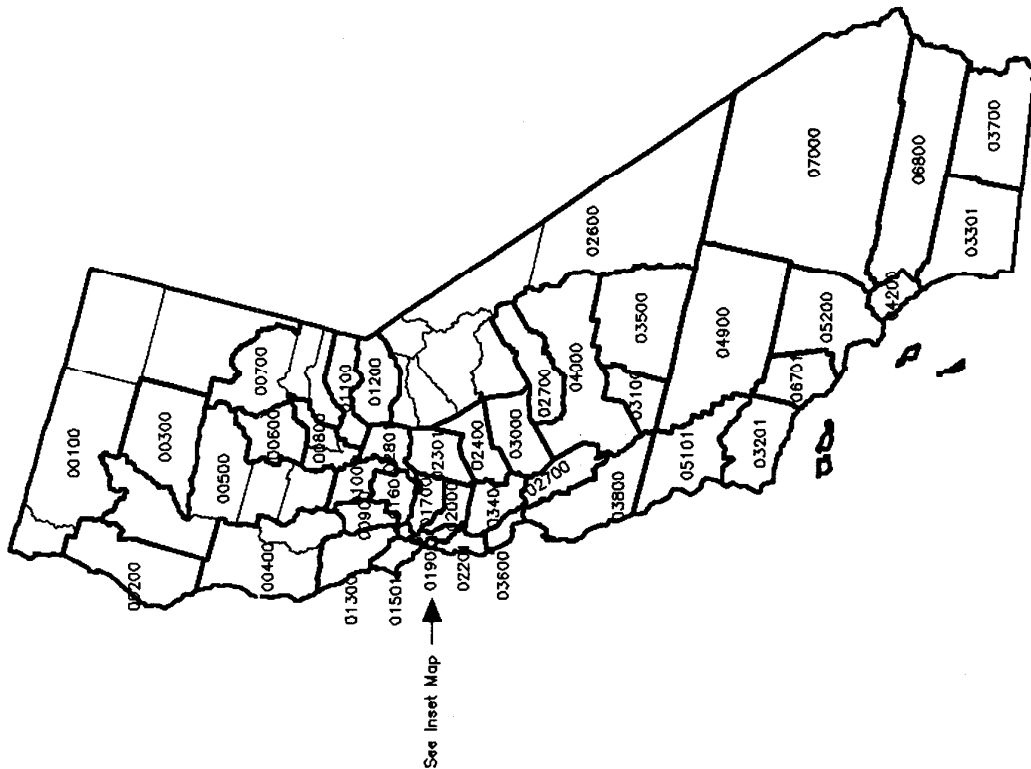


00100 PUMA Number

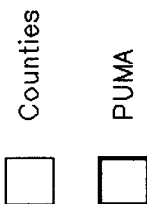
Miles
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CALIFORNIA 5% PUMA BOUNDARIES



CALIFORNIA 5% PUMA Boundaries

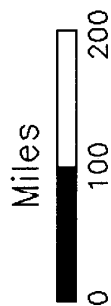


PUMAs in selected areas:

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01501-01502 Marin County
01601-01603 Salato County
01700-01805 Contra Costa County
01901-01906 San Francisco City
02000-02109 Alameda County

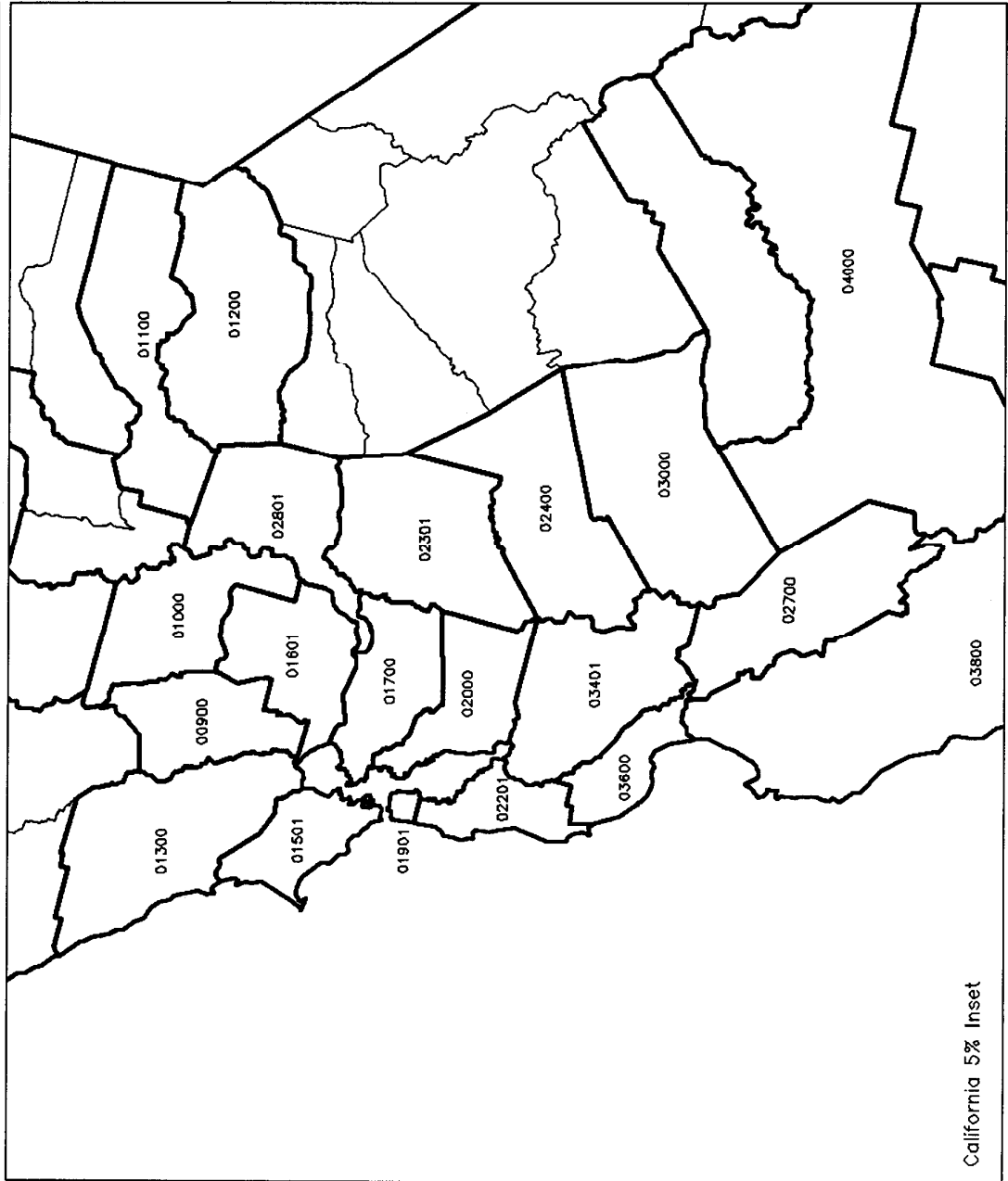
02201-02206 San Mateo County
02301-02304 San Joaquin County
02400-02500 Stanislaus County
02801-02906 Sacramento County
03201-03202 Santa Barbara County
03301-03313 San Diego County
03401-03411 Santa Clara County
03800-03902 Monterey County
04000-04100 Fresno County
04200-04808 Orange County
04900-05002 Kern County
05101-05102 San Luis Obispo County
05200-06800 Los Angeles County
06701-06705 Ventura County
06800-06905 Riverside County
07000-07207 San Bernardino County

See Equivalency Files for a complete list of PUMAs.





CALIFORNIA 5% PUMA BOUNDARIES



California 5% Inset

CALIFORNIA 5% PUMA Boundaries

Counties



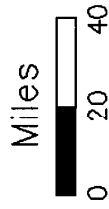
PUMA



PUMAs in selected areas:
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 01501—01502 Marin County
 01601—01603 Solano County
 01700—01805 Contra Costa County
 01901—01906 San Francisco city
 02000—02109 Alameda County

02201—02206 San Mateo County
 02301—02304 San Joaquin County
 02400—02500 Stanislaus County
 02801—02906 Sacramento County
 03201—03202 Santa Barbara County
 03301—03313 San Diego County
 03401—03411 Santa Clara County
 03800—03902 Monterey County
 04000—04100 Fresno County
 04200—04808 Orange County
 04900—05002 Kern County
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 07000—07207 San Bernardino County

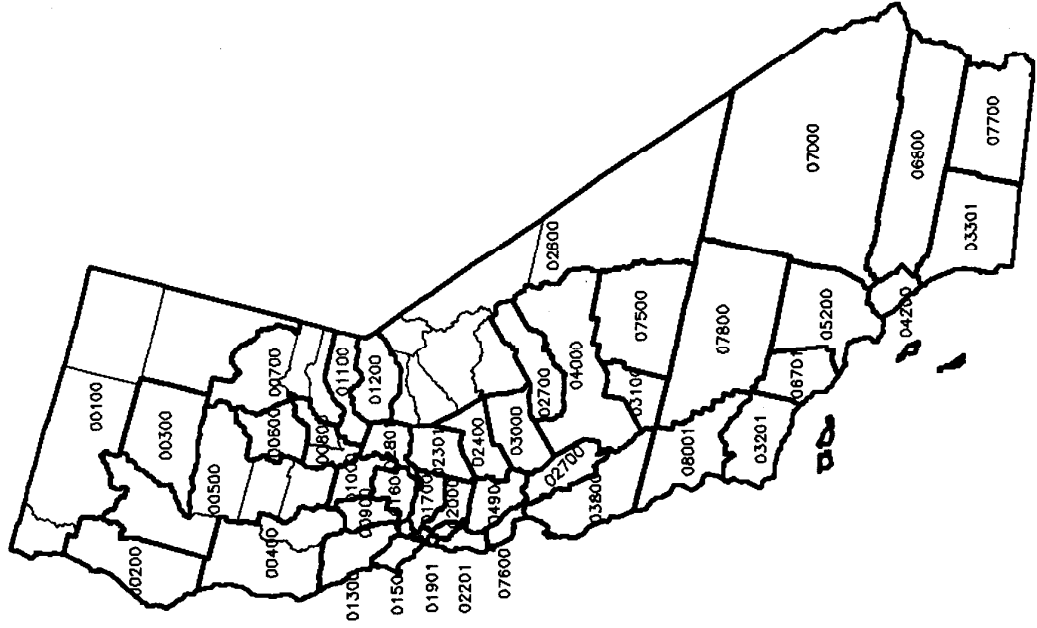
See Equivalency Files for a complete list of PUMAs.





CALIFORNIA

1% PUMA BOUNDARIES



CALIFORNIA 1% PUMA Boundaries

Counties

PUMA

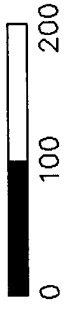
PUMAs in selected areas:

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01501-01502 Marin County
01601-01602 Solano County
01700-01805 Contra Costa County
01901-01906 San Francisco city
02000-02106 Alameda County
07401-07403 Alameda County

02201-02206 San Mateo County
02301-02302 San Joaquin County
02400-02500 Stanislaus County
02801-02906 Sacramento County
03201-03202 Santa Barbara County
03301-03700 San Diego County
03800-03902 Monterey County
04000-04100 Fresno County
04200-04807 Orange County
04901-05107 Santa Clara County
05200-06600 Los Angeles County
06701-06704 Ventura County
06800-06904 Riverside County
07000-07206 San Bernardino County
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08500 Stockton city

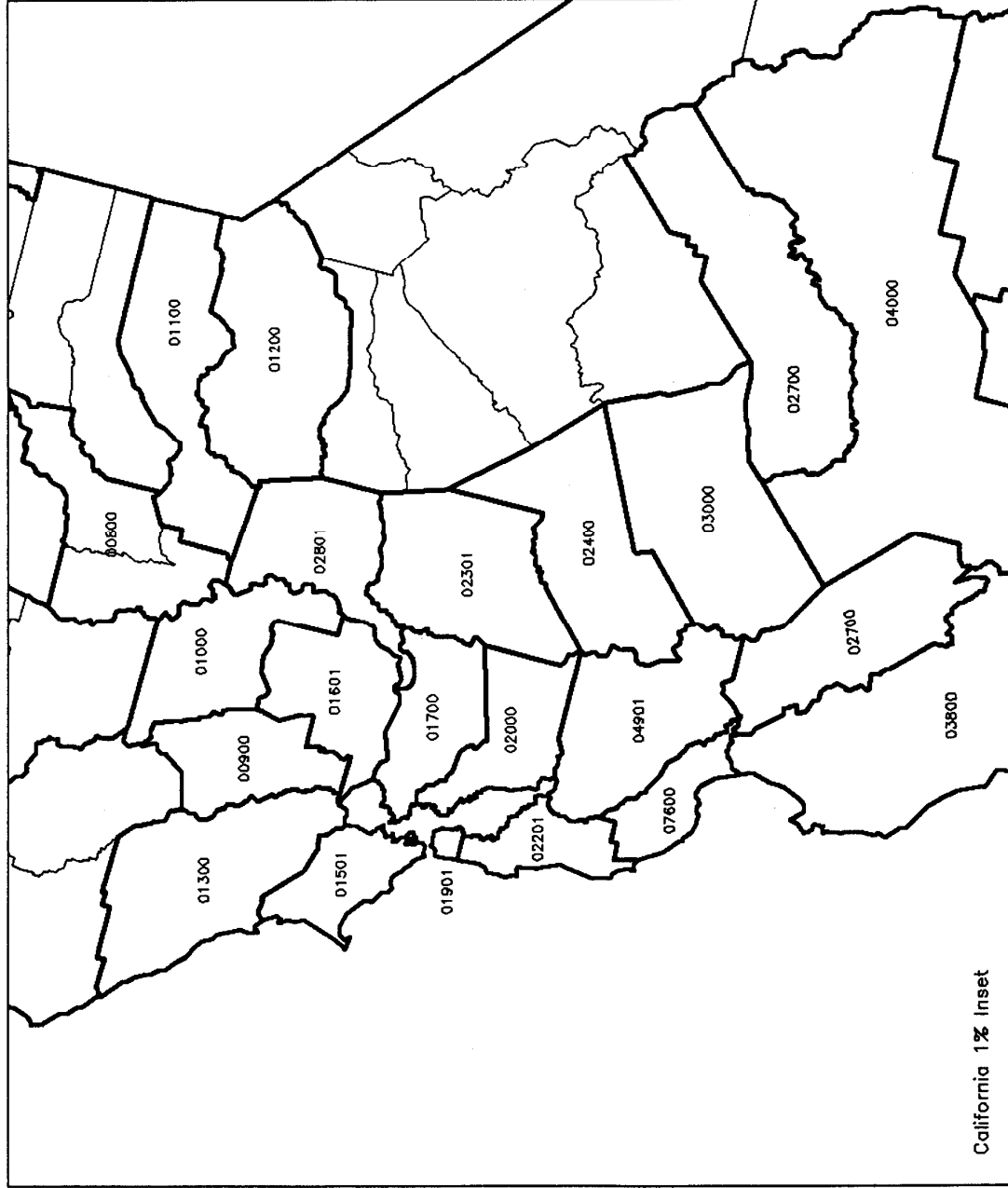
See Equivalency Files for a complete list of PUMAs.

Miles





CALIFORNIA 1% PUMA BOUNDARIES



CALIFORNIA 1% PUMA Boundaries

Counties



PUMA



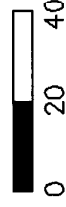
PUMAs in selected areas:

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01501—01502 Marin County
01601—01602 Solano County
01700—01805 Contra Costa County
01901—01906 San Francisco city
02000—02106 Alameda County
07401—07403 Alameda County

02201—02206 San Mateo County
02301—02302 San Joaquin County
02400—02500 Stanislaus County
02801—02806 Sacramento County
03201—03302 Santa Barbara County
03301—03700 San Diego County
03800—03802 Monterey County
04000—04100 Fresno County
04200—04807 Orange County
04901—05107 Santa Clara County
05200—06400 Los Angeles County
06701—06704 Ventura County
06800—06904 Riverside County
07000—07206 San Bernardino County
07901—07902 Kern County
08001—08002 San Luis Obispo County
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08200 San Bernardino city
08300 Oxnard city
08400 Anaheim city
08500 Stockton city

See Equivalency Files for a complete list of PUMAs.

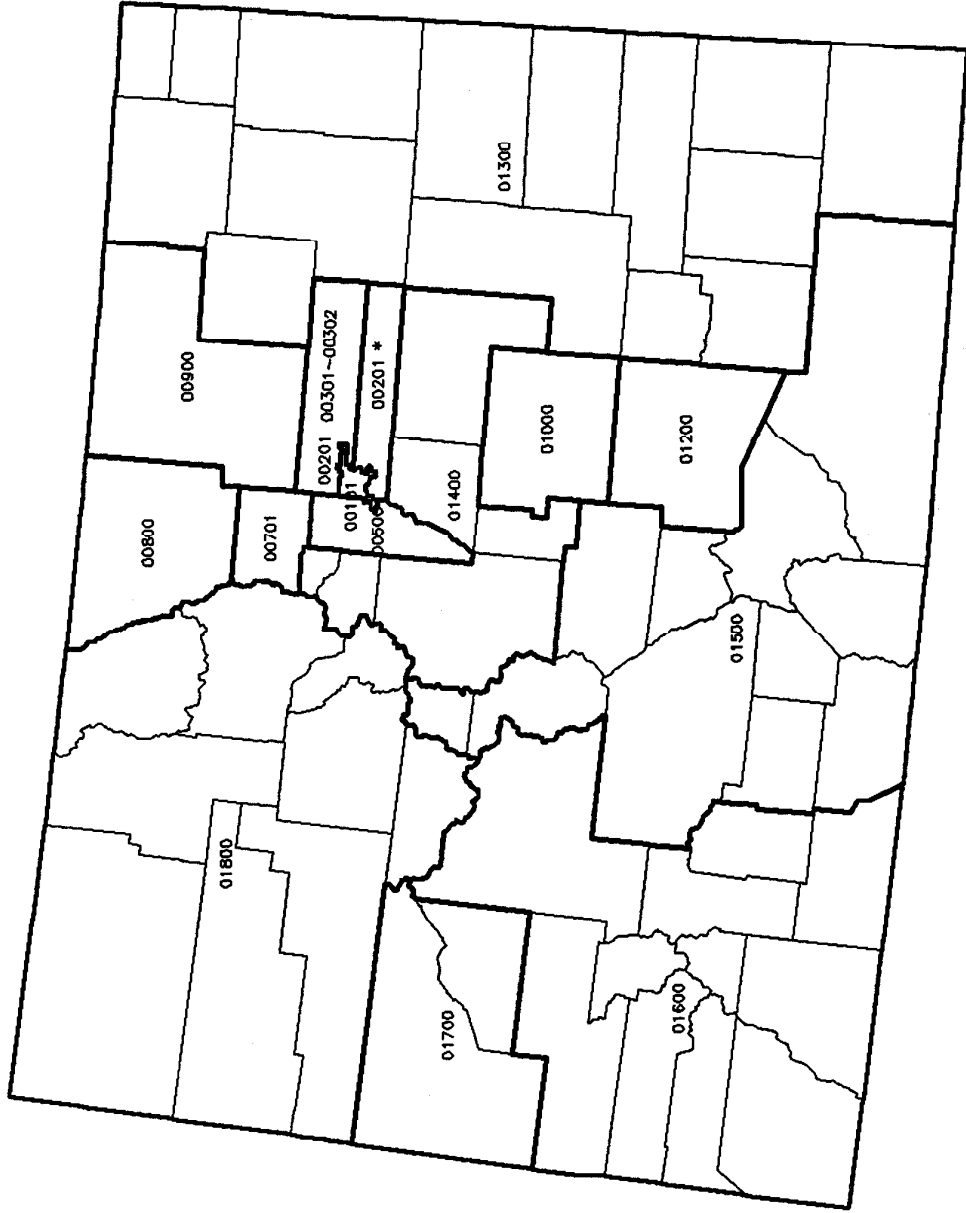
Miles



California 1% Inset



COLORADO 5% PUMA BOUNDARIES



COLORADO 5% PUMA Boundaries

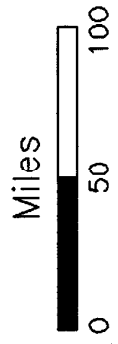
- ☐ Counties
- ☐ PUMA
- ☐ States

*Arapahoe County PUMAs:

00201-00201, 00400

(Aurora city expands into 3 counties)




Denver County PUMAs: 00101-00104



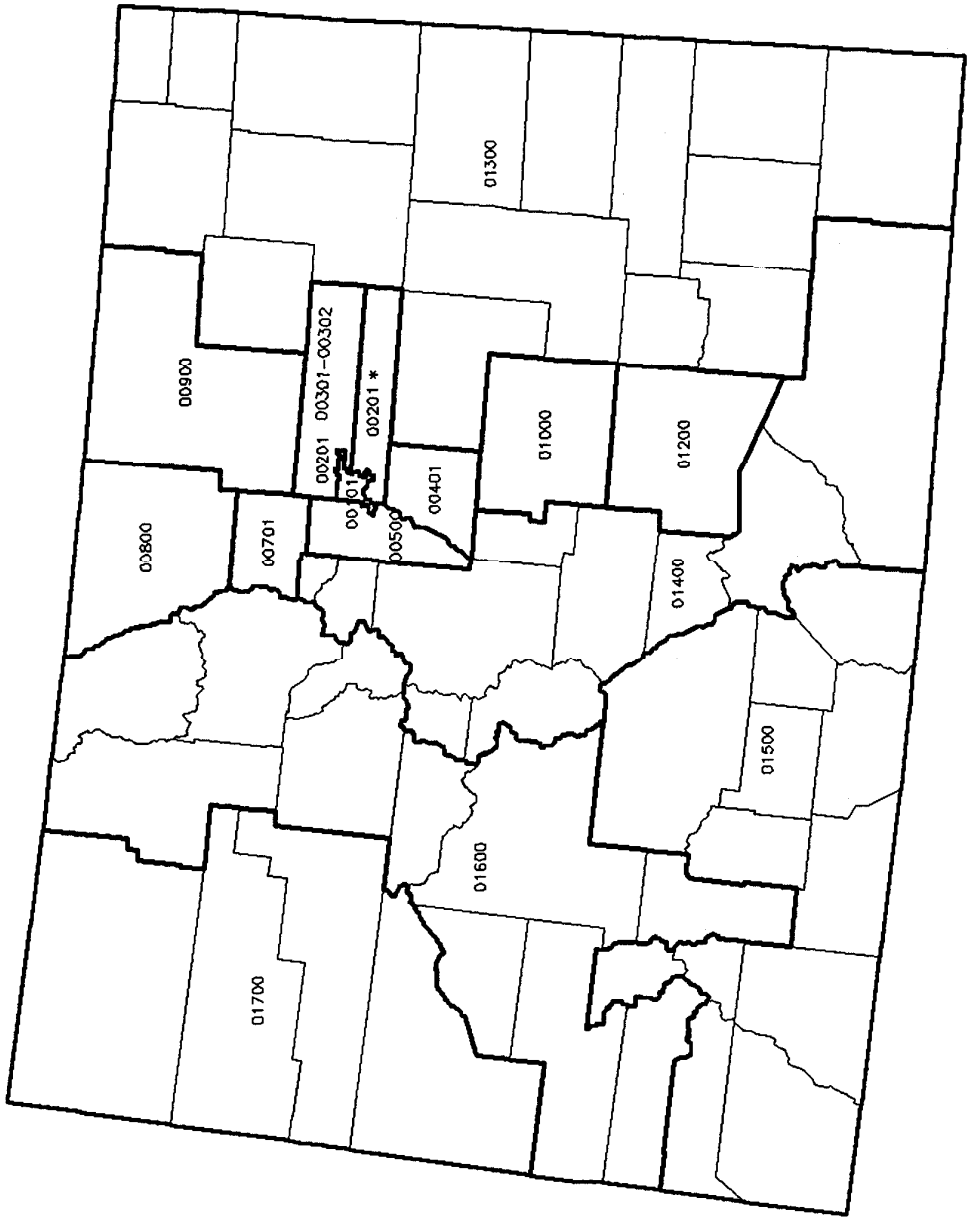
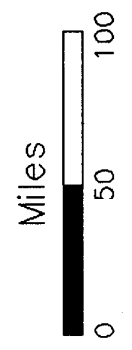


COLORADO 1% PUMA BOUNDARIES

COLORADO 1% PUMA Boundaries

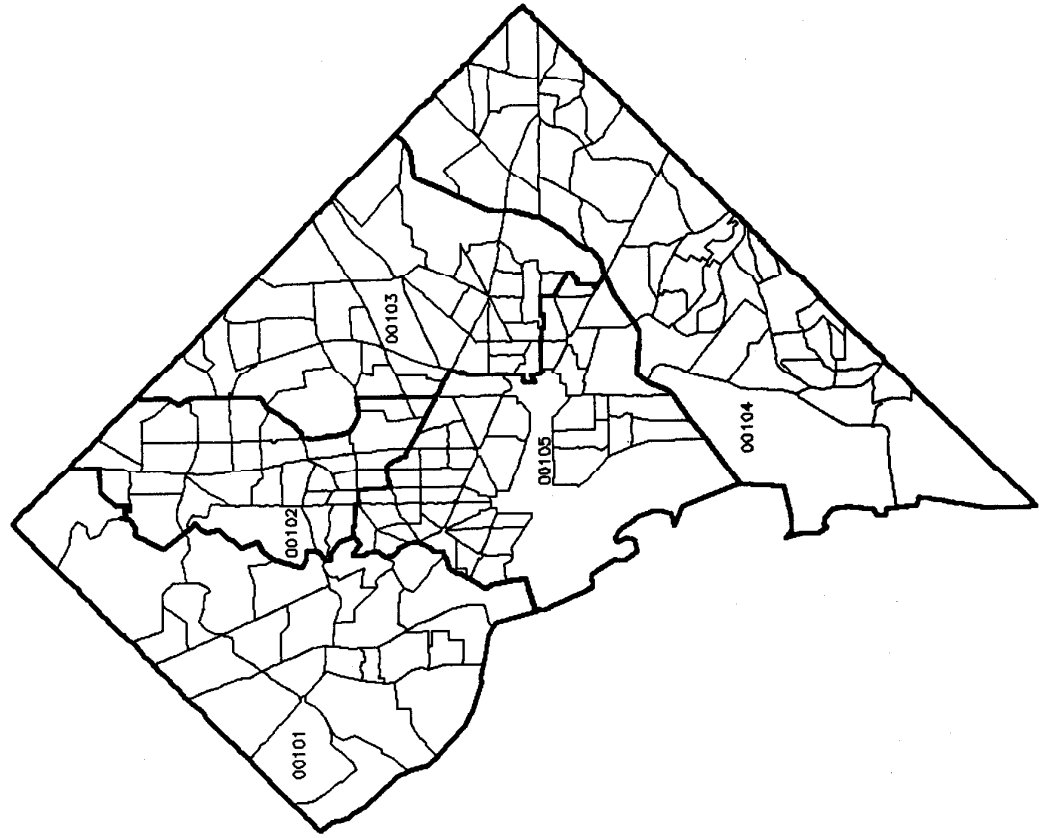
-  Counties
-  PUMA
-  States

*Arapahoe County PUMAs:
00201-00202, 00401-00402
(Aurora city expands into 3 counties)
Denver County PUMAs: 00101-00104





DISTRICT OF COLUMBIA
5% PUMA BOUNDARIES



DISTRICT OF COLUMBIA 5% PUMA Boundaries



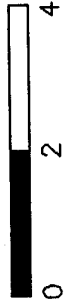
PUMAS



TRACTs

District of Columbia has 5
census tract-based PUMAs.

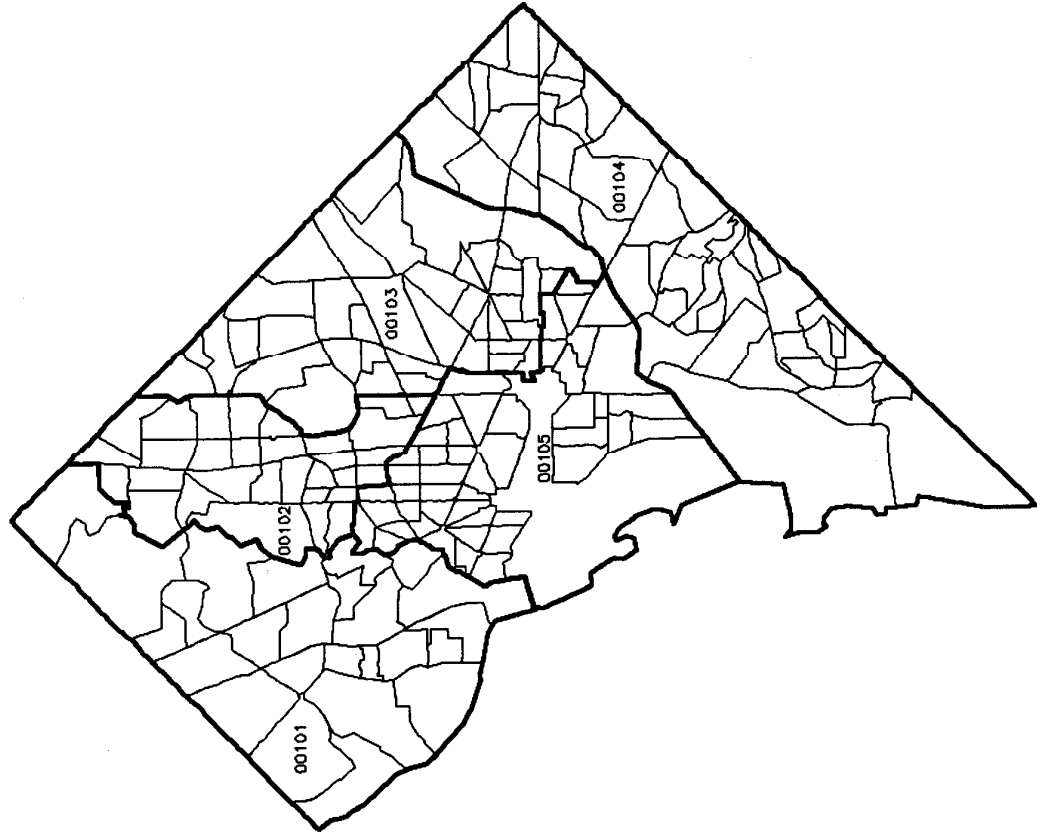
Miles





DISTRICT OF COLUMBIA

1% PUMA BOUNDARIES



DISTRICT OF COLUMBIA 1% PUMA Boundaries



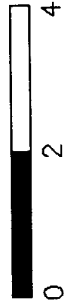
PUMAs



TRACTS

District of Columbia has 5
census tract-based PUMAs.

Miles





HAWAII
5% PUMA BOUNDARIES

HAWAII 5% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

PUMAs in Selected Areas:

00301 - 00307 Honolulu County
including Honolulu CDP.

Miles



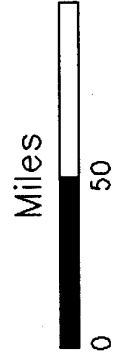


HAWAII
1% PUMA BOUNDARIES

HAWAII 1% PUMA Boundaries

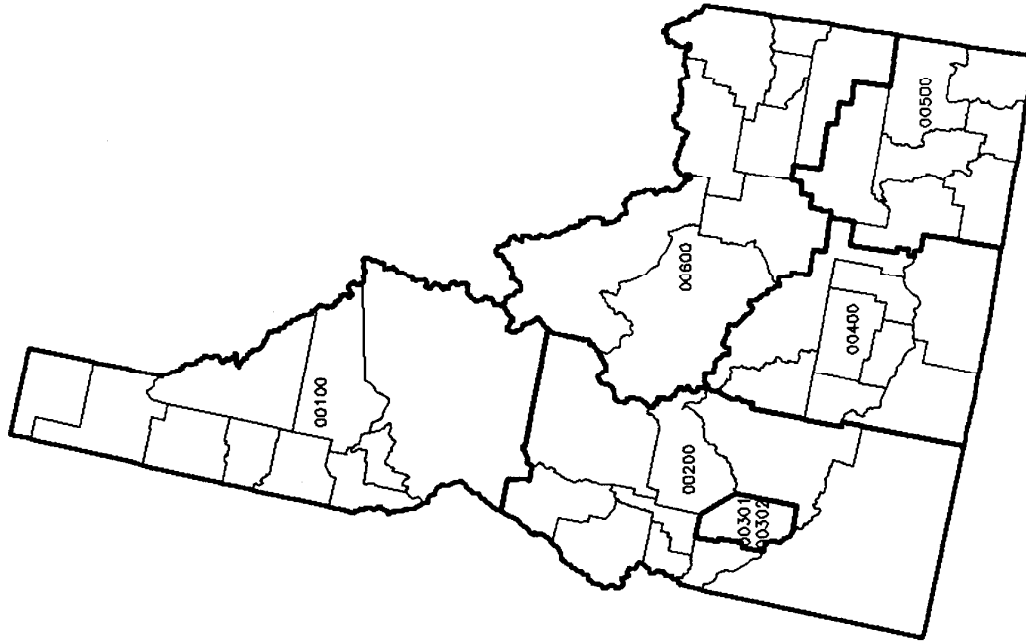
- ☐ Counties
- ☐ PUMAs

PUMAs in Selected Areas:
00301-00307 Honolulu County
including Honolulu CDP.

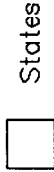
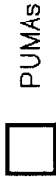
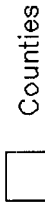




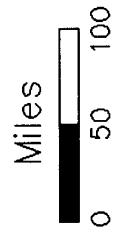
IDAHO
5% PUMA BOUNDARIES



IDAHO 5% PUMA Boundaries



PUMAs In Ada County:
00301-00302



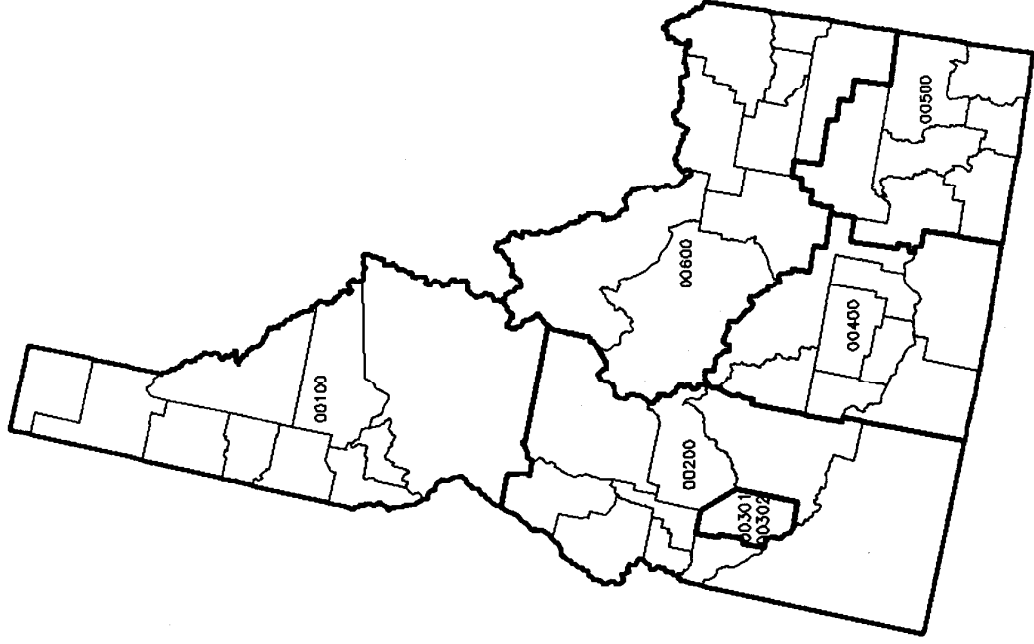
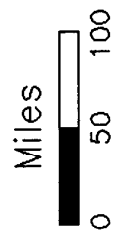


DAHO
1% PUMA BOUNDARIES

IDAHO 1% PUMA Boundaries

- ☐ Counties
- ☒ PUMAs
- ☐ States

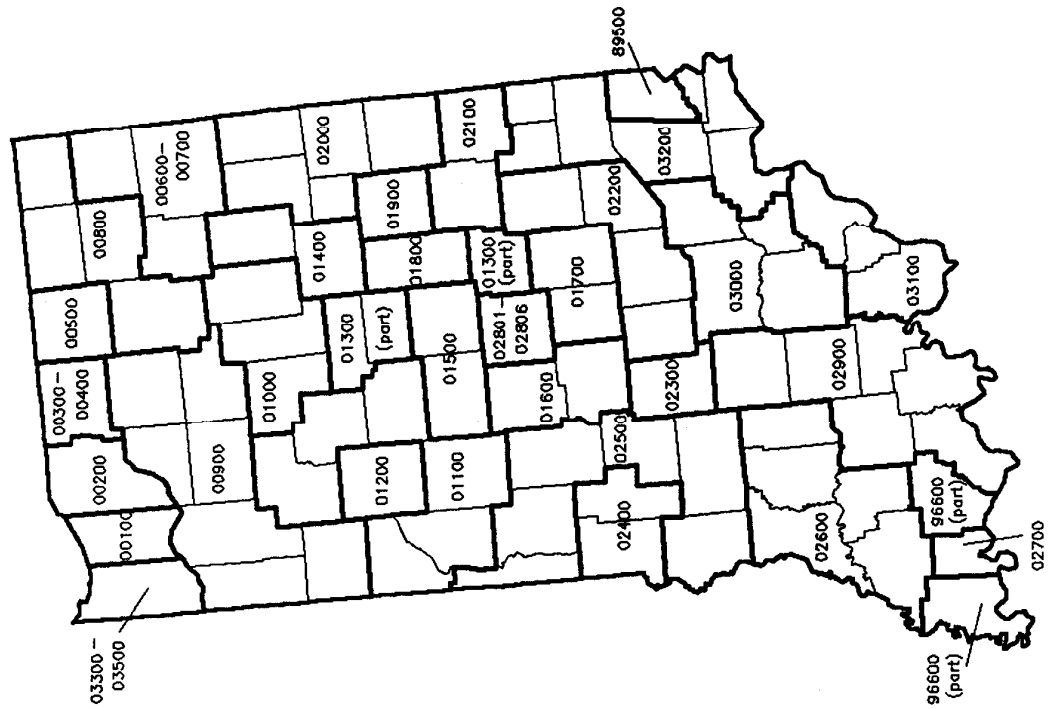
PUMAs In Ada County:
00301 - 00302





INDIANA

1% PUMA BOUNDARIES



INDIANA 1% PUMA Boundaries

Counties

PUMAs

PUMAs in Selected Areas:

00300 South Bend city
00400 Balance of St. Joseph County
00600 Fort Wayne city
00700 Balance of Allen County, De Kalb County and Whitley County.
02801-02806 Indianapolis city and Marion County parts.
03300 East Chicago, Hammond, and Whiting cities.
03400 Gary city
03500 Balance of Lake County

PUMAs Crossing State Lines:

89500 Dearborn County (IN) and a part of Hamilton County (OH).
96600 Posey and Warrick counties (IN) and Henderson County (KY).

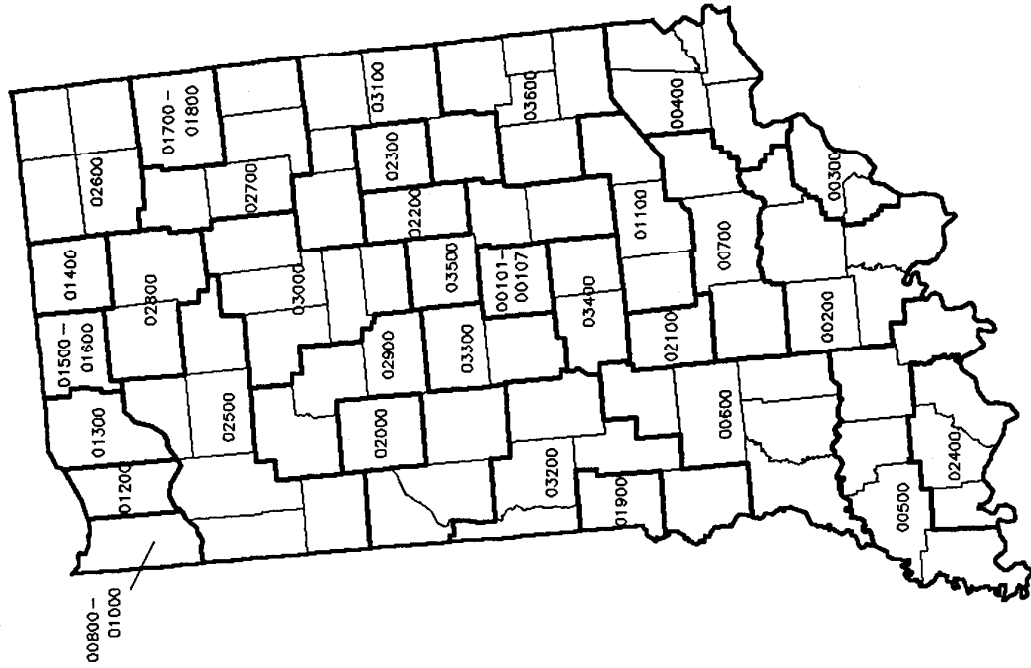
Miles



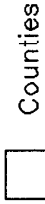


INDIANA

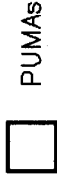
5% PUMA BOUNDARIES



INDIANA 5% PUMA Boundaries



Counties

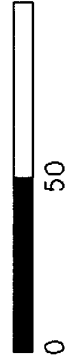


PUMAs

PUMAs in Selected Areas:

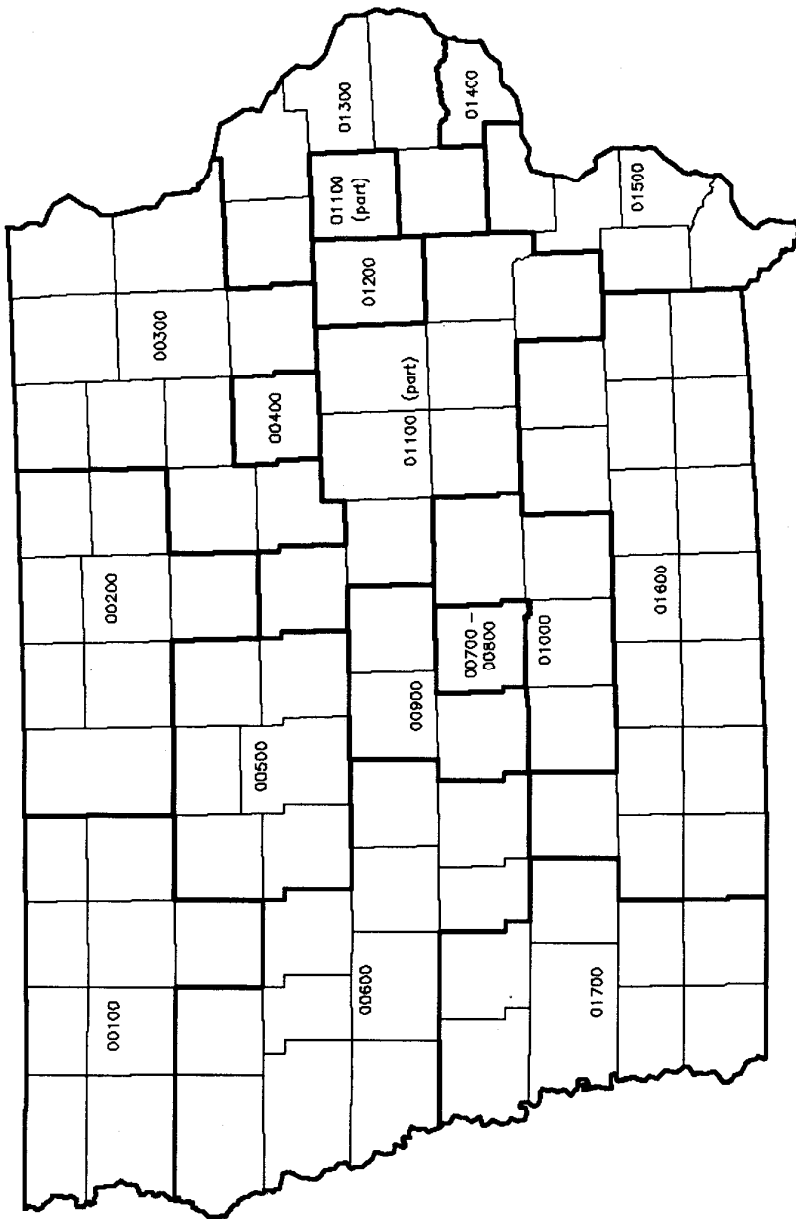
00101-00107 Indianapolis city and Marion County parts.
 00800 Gary city
 00900 East Chicago, Hammond, and Whiting cities.
 01000 Balance of Lake County
 01500 South Bend city
 01600 Balance of St. Joseph County
 01700 Balance of Allen County
 01800 Fort Wayne city

Miles





IOWA 5% PUMA BOUNDARIES



IOWA 5% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs
- ☐ States

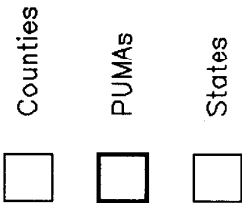
PUMAs In Selected Areas:
00700 Des Moines city
00800 Balance of Polk County

Miles
0 20 40



IOWA 1% PUMA BOUNDARIES

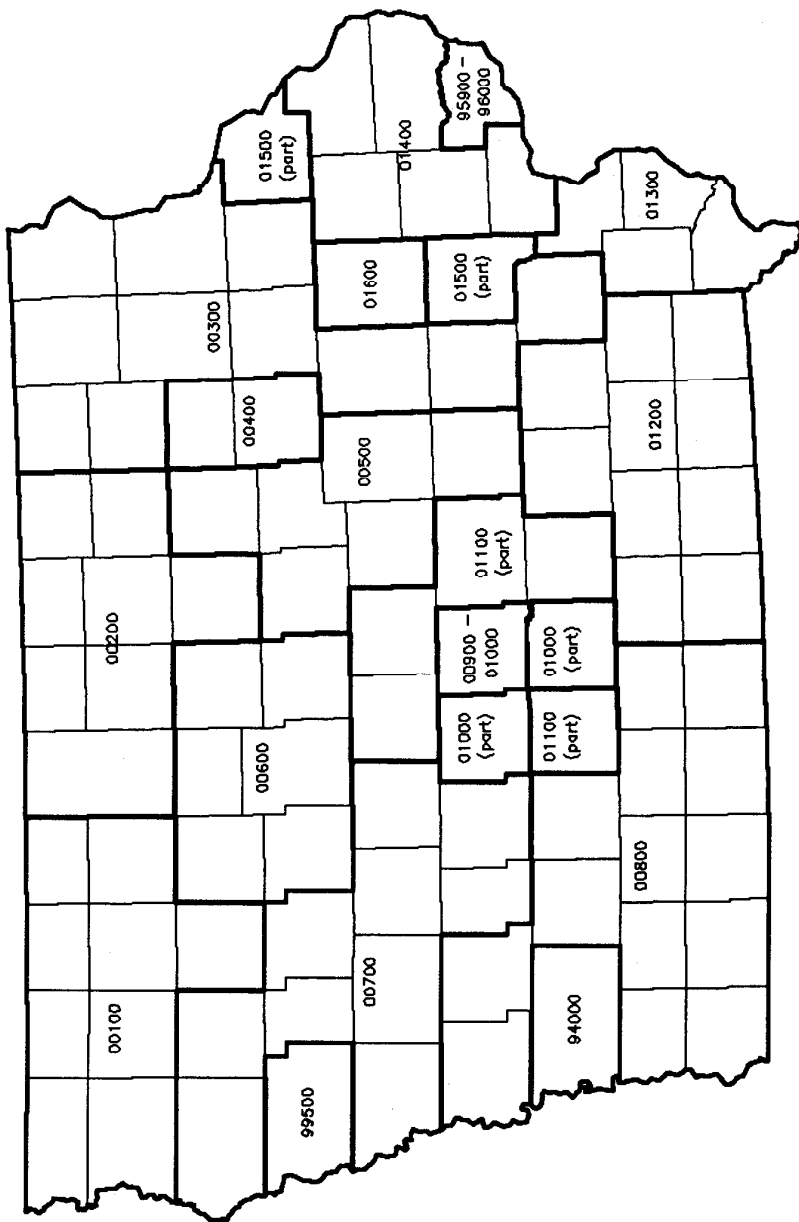
IOWA 1% PUMA Boundaries



PUMAs In Selected Areas:

00900 Des Moines city
 01000 Balance of Polk County,
 Dallas County, and
 Warren County.
 94000 Pottawattamie County
 (also includes Washington County
 and Omaha city (part) in Nebraska)
 95900 Balance of Scott County
 (also includes Henry
 County and parts of
 Rock Island County in
 Illinois)
 96000 Davenport city (also
 includes Moline city and
 parts of Rock Island
 County in Illinois)
 98500 Woodbury County (also
 includes Dakota County in Nebraska)

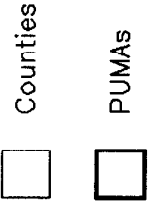
Miles
 0 20 40



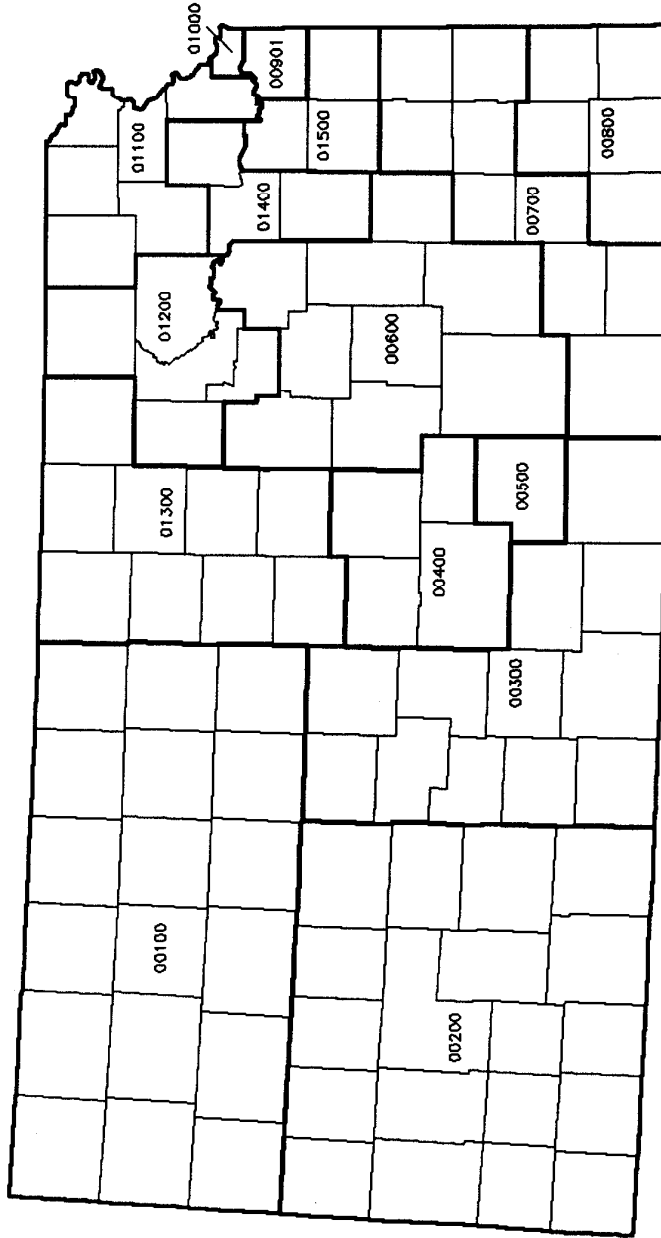
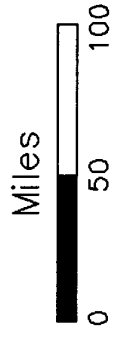


KANSAS 5% PUMA BOUNDARIES

KANSAS 5% PUMA Boundaries



PUMAs in Johnson County: 00901-00903





KANSAS 1% PUMA BOUNDARIES

KANSAS 1% PUMA Boundaries

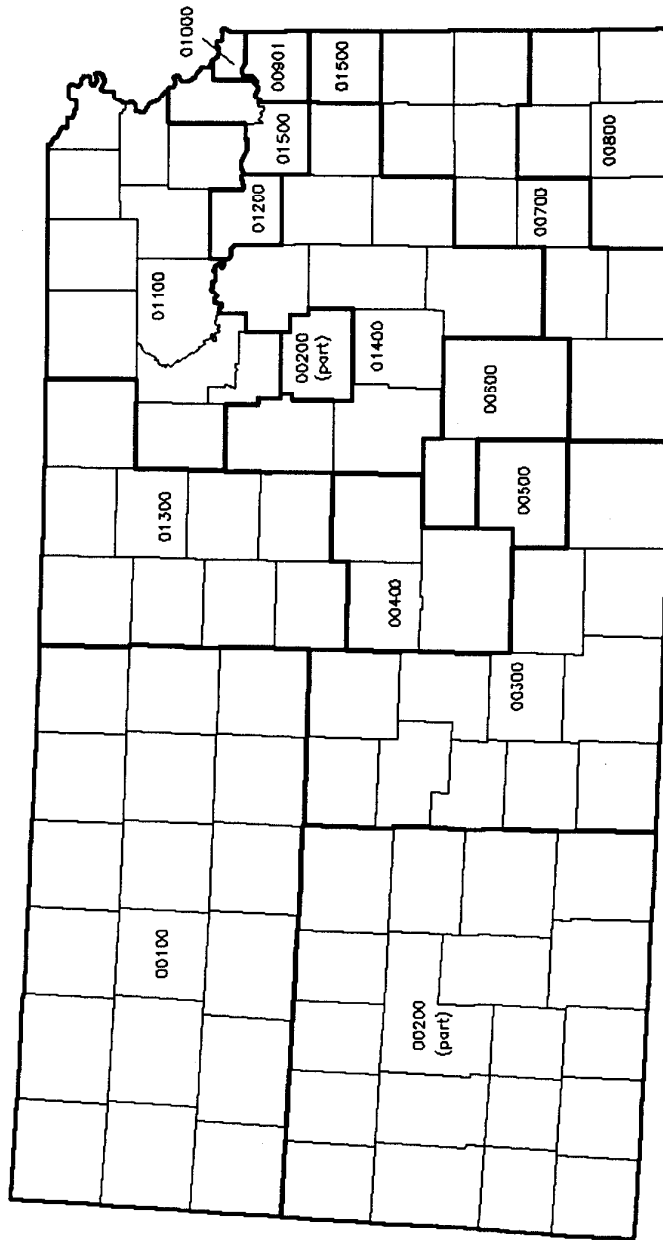
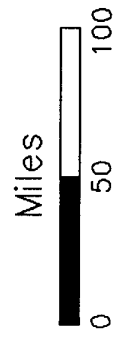
Counties



PUMAs



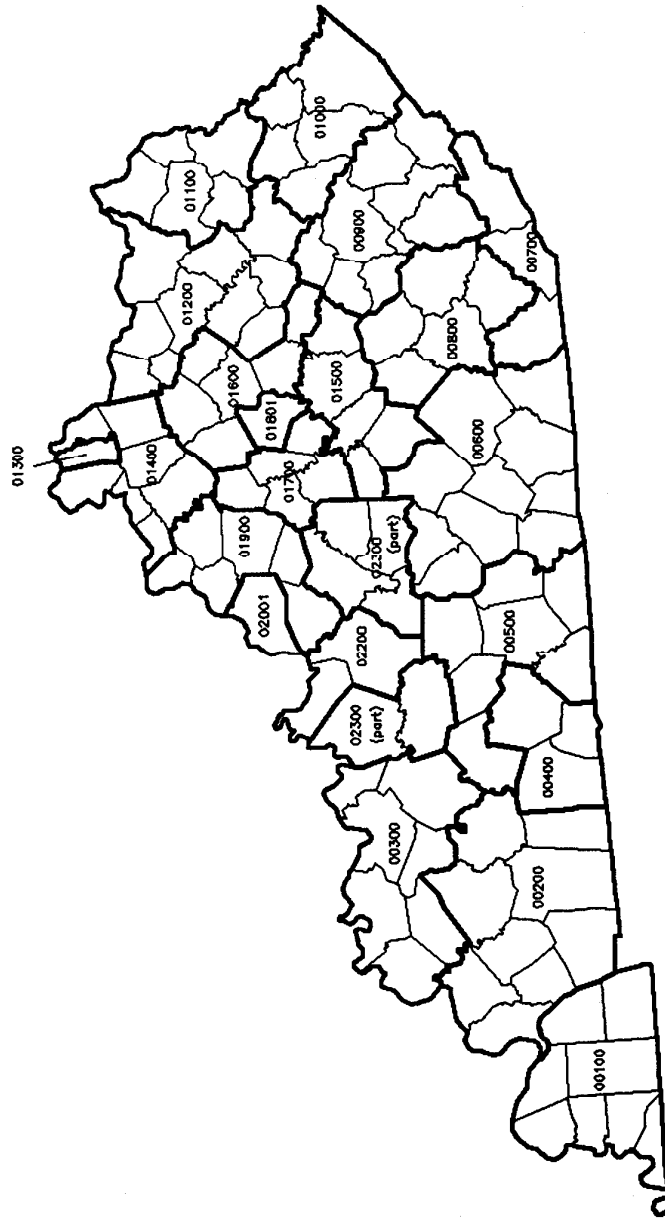
PUMAs in Johnson County: 00901-00903







KENTUCKY 5% PUMA BOUNDARIES

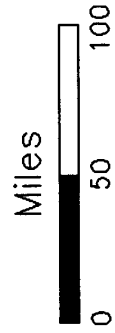


KENTUCKY 5% PUMA Boundaries

- Counties
- PUMAs

PUMAs in Selected Areas:

01801-01802 Lexington-Fayette
02001-02002 Louisville city
02101-02103 Balance of Jefferson County





LOUISIANA

1% PUMA BOUNDARIES

LOUISIANA 1% PUMA Boundaries

Counties



PUMAs

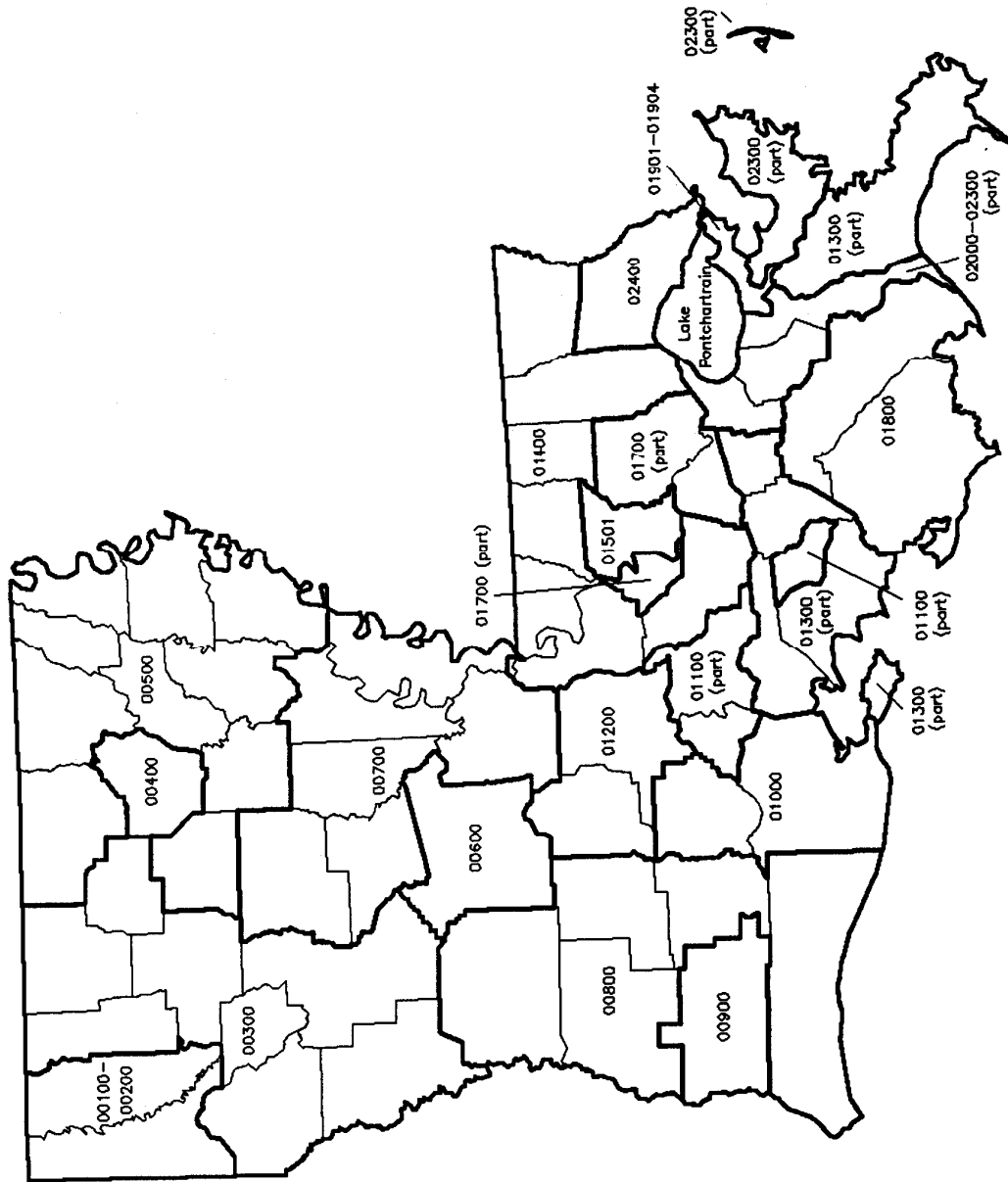
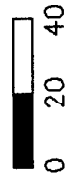


PUMAs in Selected Areas:

- 00100 Shreveport city *
- 00200 Balance of Bossier and Caddo parishes.
- 01501-01502 Baton Rouge city
- 01600 Balance of East Baton Rouge Parish
- 01901-01904 New Orleans city
- 02000 Metairie CDP
- 02100 Hirschman city, Jefferson CDP, Kenner city, and River Ridge CDP.
- 02200 Avondale, Bridge City, Estelle, Gretna, Harvey, Marrero, Terrytown, Timberlane, Waggaman, and Westwego cities and CDPs.
- 02300 Balance of Jefferson Parish, and St. Bernard, St. Charles, and St. John the Baptist parishes.

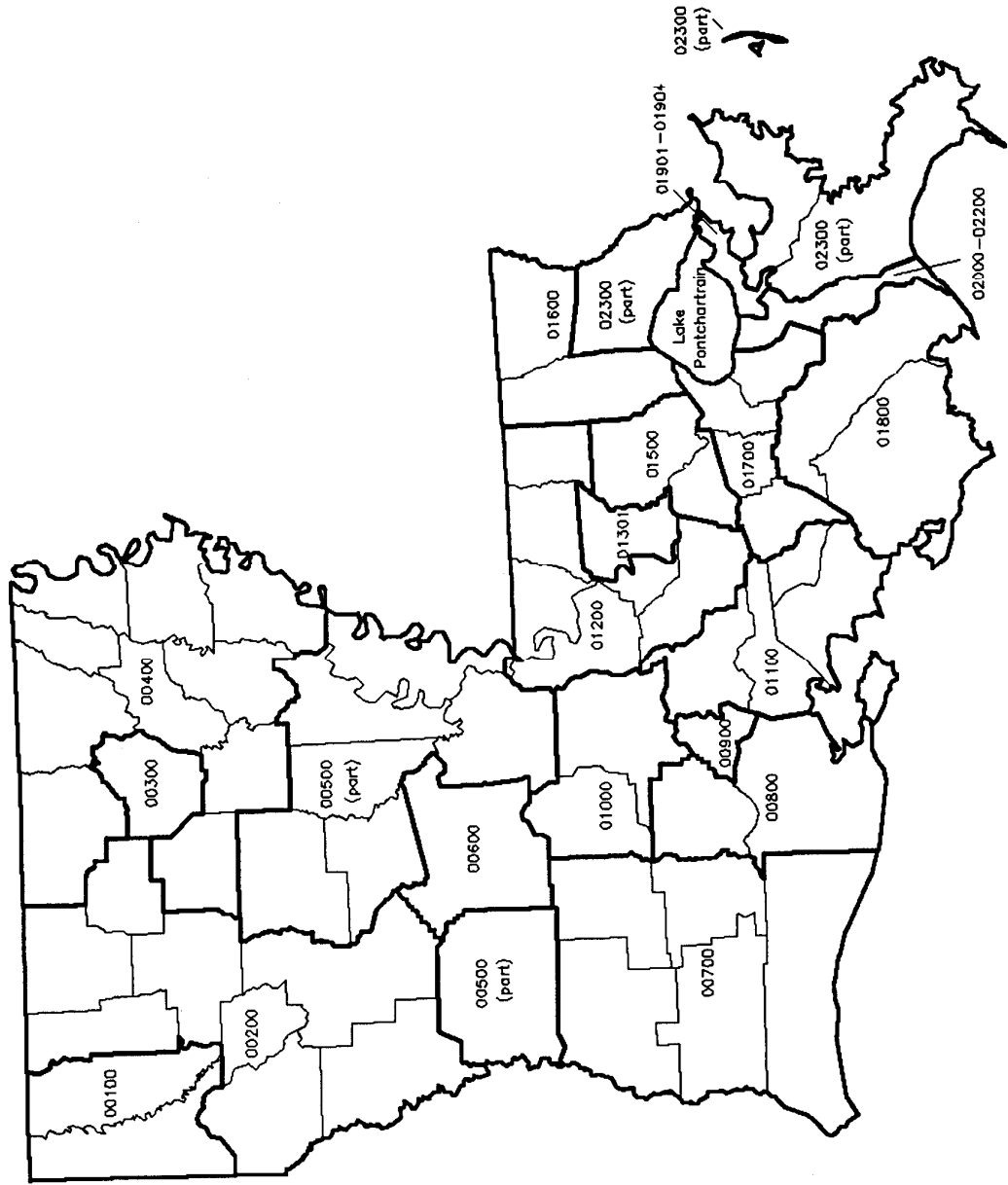
* Shreveport city limits extend into two parishes: Bossier and Caddo.

Miles





LOUISIANA 5% PUMA BOUNDARIES



LOUISIANA 5% PUMA Boundaries

☐ Counties

☐ PUMA

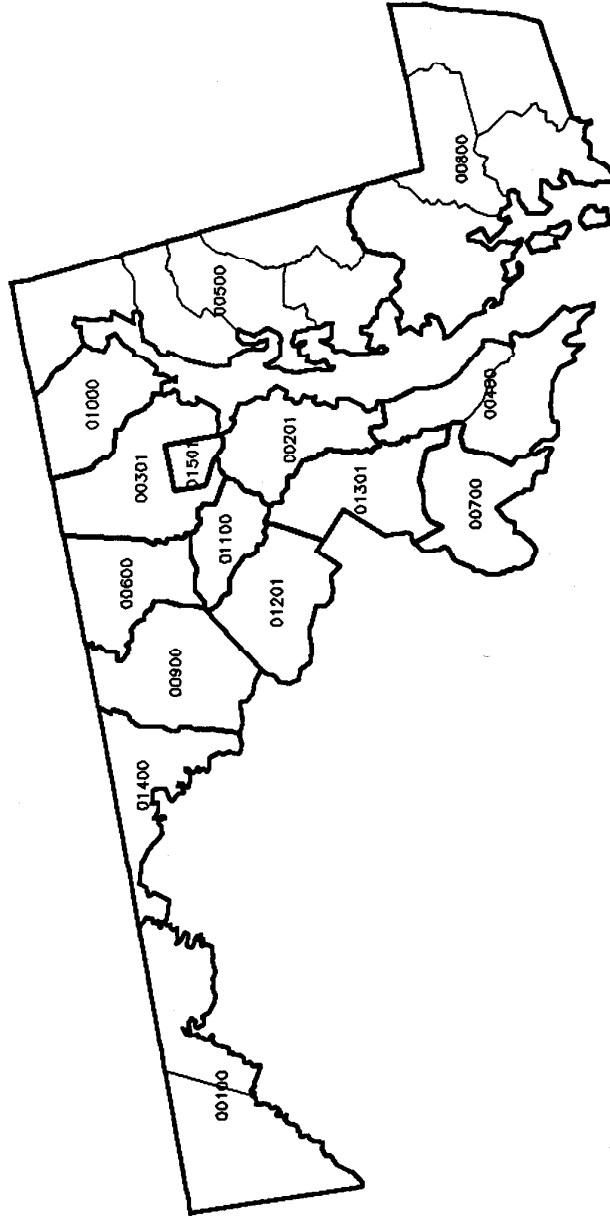
PUMAs in Selected Areas:

01301-01302 Baton Rouge city
01400 Balance of East Baton Rouge Parish
01901-01904 New Orleans city
02000 Metairie CDP
02100-02200 Balance of Jefferson Parish

Miles
0 20 40



MARYLAND 5% PUMA BOUNDARIES

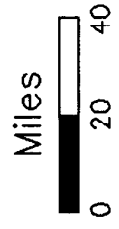


MARYLAND 5% PUMA Boundaries

- Counties
- PUMA
- States

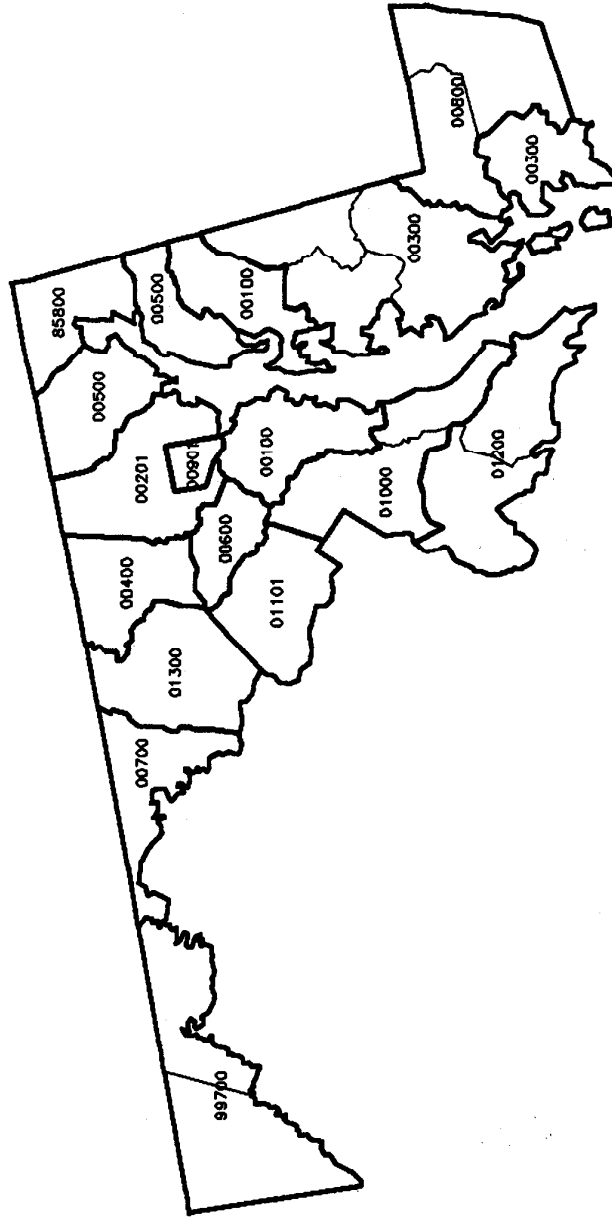
PUMAs in:

Anne Arundel County 00201-00204
 Baltimore County 00301-00306
 Montgomery County 01201-01208
 Prince George's County 01301-01307
 Baltimore City 01501-01504





MARYLAND 1% PUMA BOUNDARIES



MARYLAND 1% PUMA Boundaries

Counties



PUMA



States



PUMAs In:

Baltimore County 00201-00206

Baltimore City 00901-00904

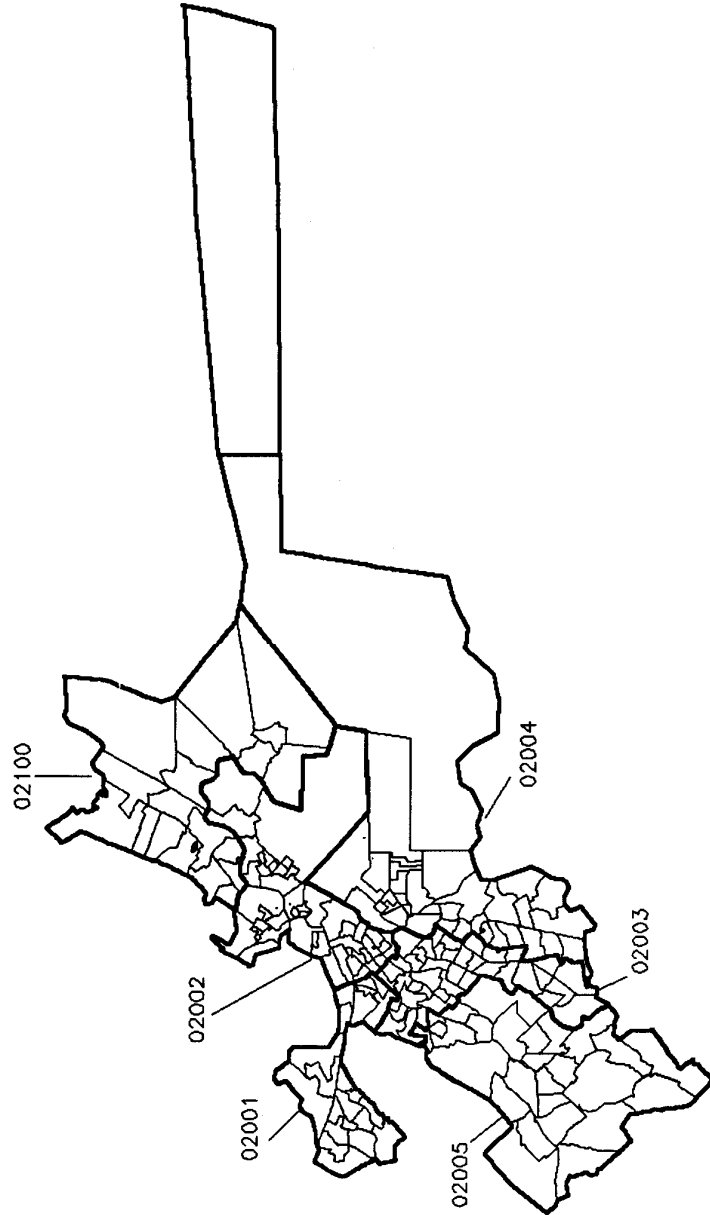
Montgomery County 01101-01106

Miles

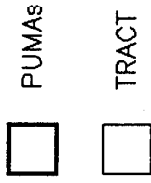




Suffolk County, Massachusetts 5% PUMA BOUNDARIES

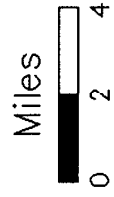


Suffolk County, MA



PUMAs	
02001	Boston city (part)
02002	Boston city (part)
02003	Boston city (part)
02004	Boston city (part)
02005	Boston city (part)
02100*	Chelsea city Revere city Winthrop CDP

* PUMA 02100 also includes Everett city in Middlesex County



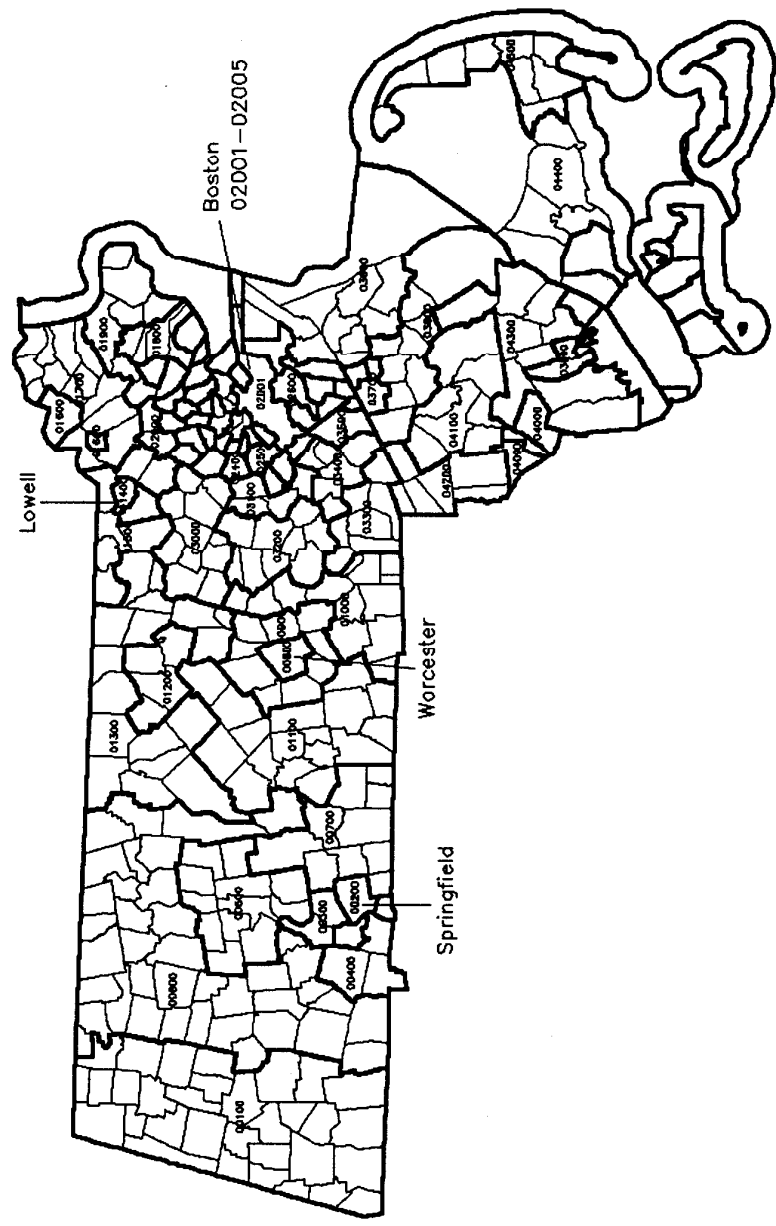


MASSACHUSETTS 5% PUMA BOUNDARIES

Massachusetts 5% PUMA Boundaries

- ☐ MCDs
- ☐ PUMAs

PUMA	CITY
00200	Springfield city
00800	Worcester city
01400	Lowell city
02001 - 02005	Boston city

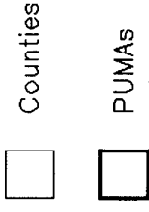




MICHIGAN 5% PUMA BOUNDARIES

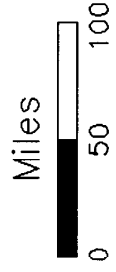


MICHIGAN 5% PUMA Boundaries



PUMAs in Selected Areas:

01300 Grand Rapids city
01700 Lansing city
02000 Flint city
03100 Ann Arbor city
03500 Livonia city
04000 Sterling Heights city
03301-03700 Wayne County including
Detroit city.

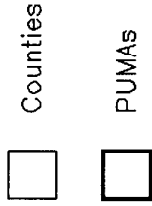




MICHIGAN 1% PUMA BOUNDARIES

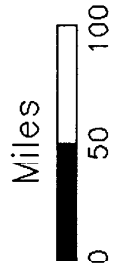


MICHIGAN 1% PUMA Boundaries



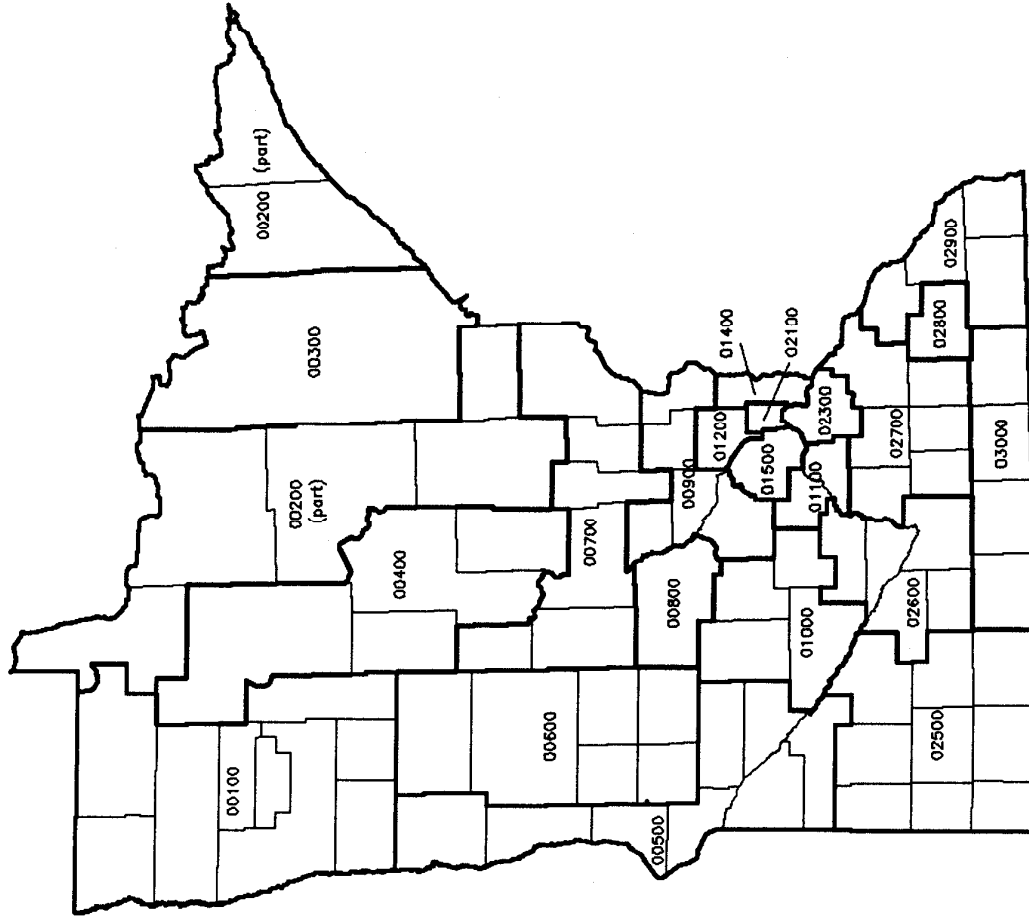
PUMAs in Selected Areas:

01300 Grand Rapids city
01401-01403 Kent and Ottawa counties
02100 Flint city
02201-02202 Genesee and Shiawassee cos.
02301-02307 Oakland County
03200 Ann Arbor city
03601-03705 Wayne County including
Detroit city.
03800 Sterling Heights city
03900 Livonia city
04100-04200 Wayne County (part)
04001-04003, 04300 Macomb County





MINNESOTA 5% PUMA BOUNDARIES

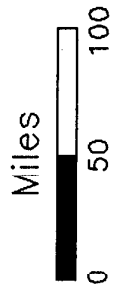


MINNESOTA 5% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

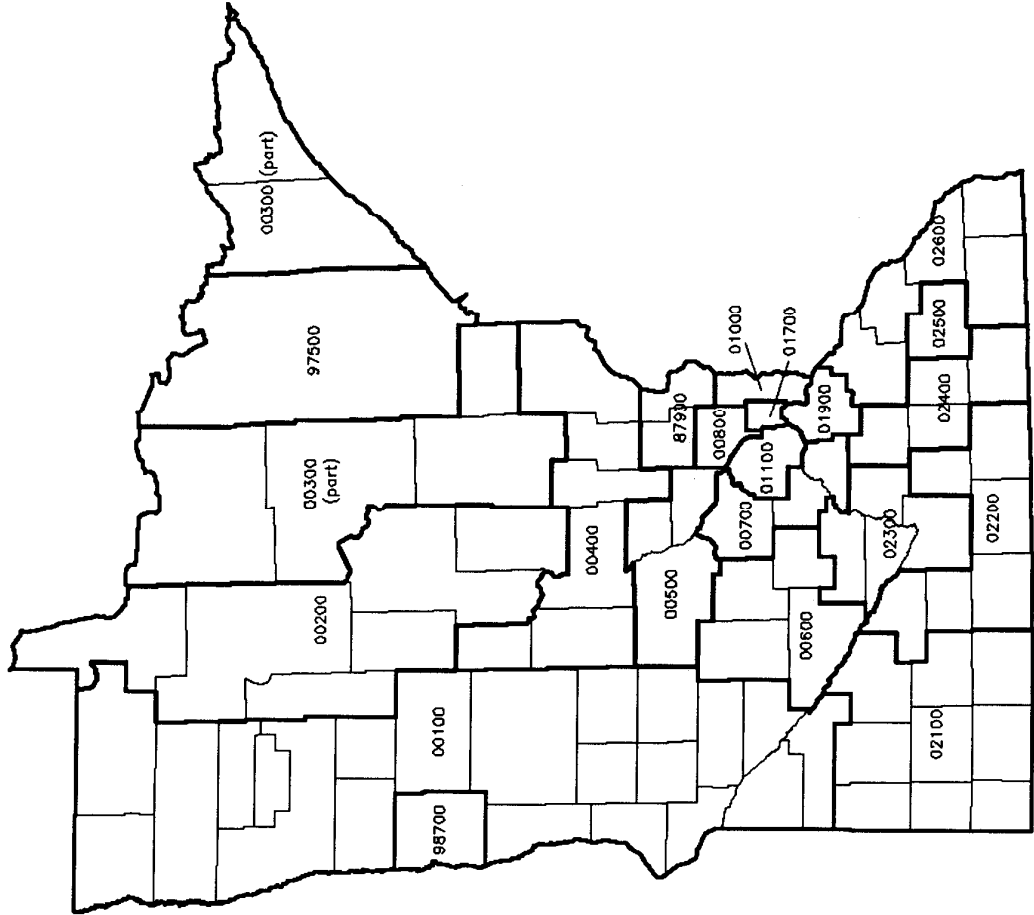
PUMAs in Selected Areas:

- 01200-01300 Anoka County
- 01500 Minneapolis city
- 01600-02000 Balance of Hennepin County
- 02100 St. Paul city
- 02200 Balance of Ramsey County
- 02300-02400 Dakota County





MINNESOTA 1% PUMA BOUNDARIES



MINNESOTA 1% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

PUMAs in Selected Areas:

- 00800--00900 Anoka County
- 01100 Minneapolis city
- 01200--01800 Balance of Hennepin County
- 01700 St. Paul city
- 01800 Balance of Ramsey County
- 01900--02000 Dakota County

PUMAs Crossing State Lines:

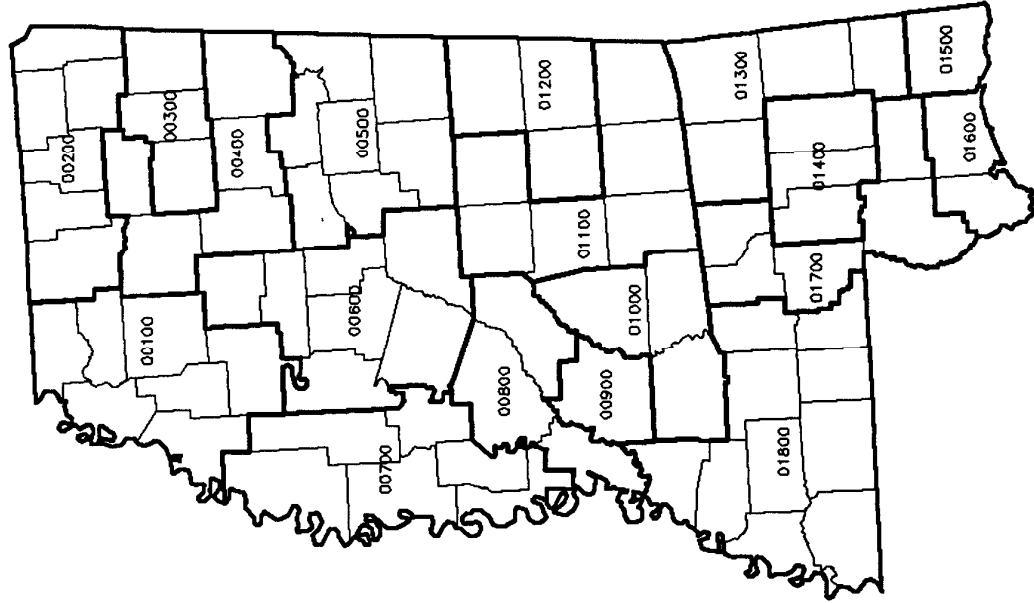
- 87900 Chicago and Isanti counties (MN) and St. Croix County (WI).
- 97500 St. Louis County (MN) and Douglas County (WI).
- 98700 Clay County (MN) and Cass County (ND).



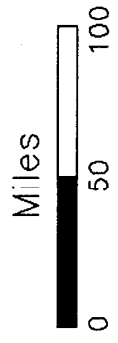
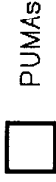


MISSISSIPPI

5% PUMA BOUNDARIES



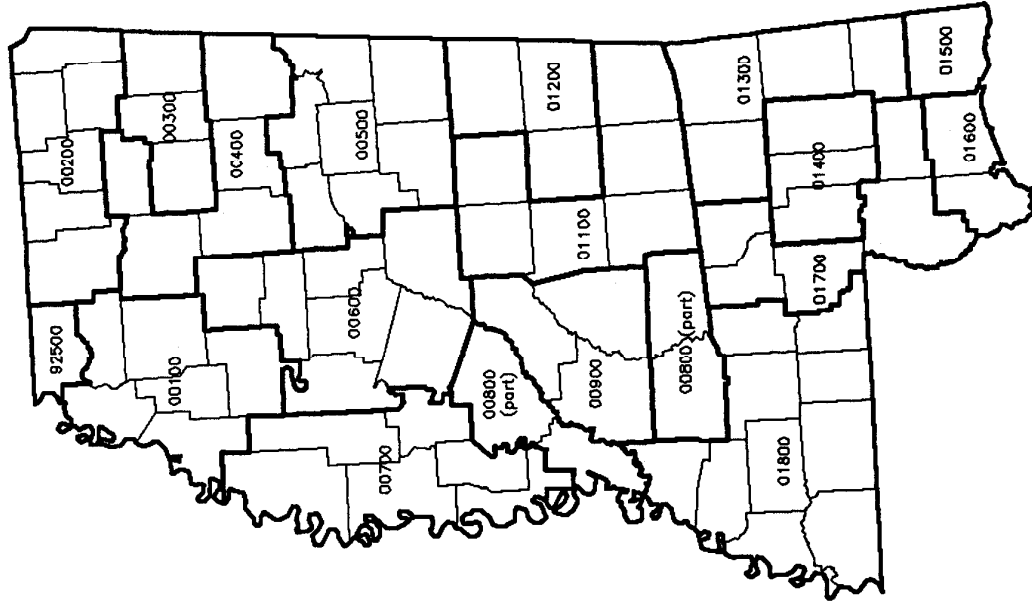
MISSISSIPPI 5% PUMA Boundaries





MISSISSIPPI

1% PUMA BOUNDARIES



MISSISSIPPI 1% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

PUMAs in Selected Areas:

00900 Balance of Hinds, Madison, and Rankin counties.

01000 Jackson city*

PUMA Crossing State Lines:

92500 DeSoto County (MS), Crittenden County (AR), and Tipton County (TN).

* Jackson city limits extend into 3 counties: Hinds, Madison, and Rankin.

Miles





MISSOURI 5% PUMA BOUNDARIES

MISSOURI 5% PUMA Boundaries

Counties

PUMAs

PUMAs in Selected Areas:

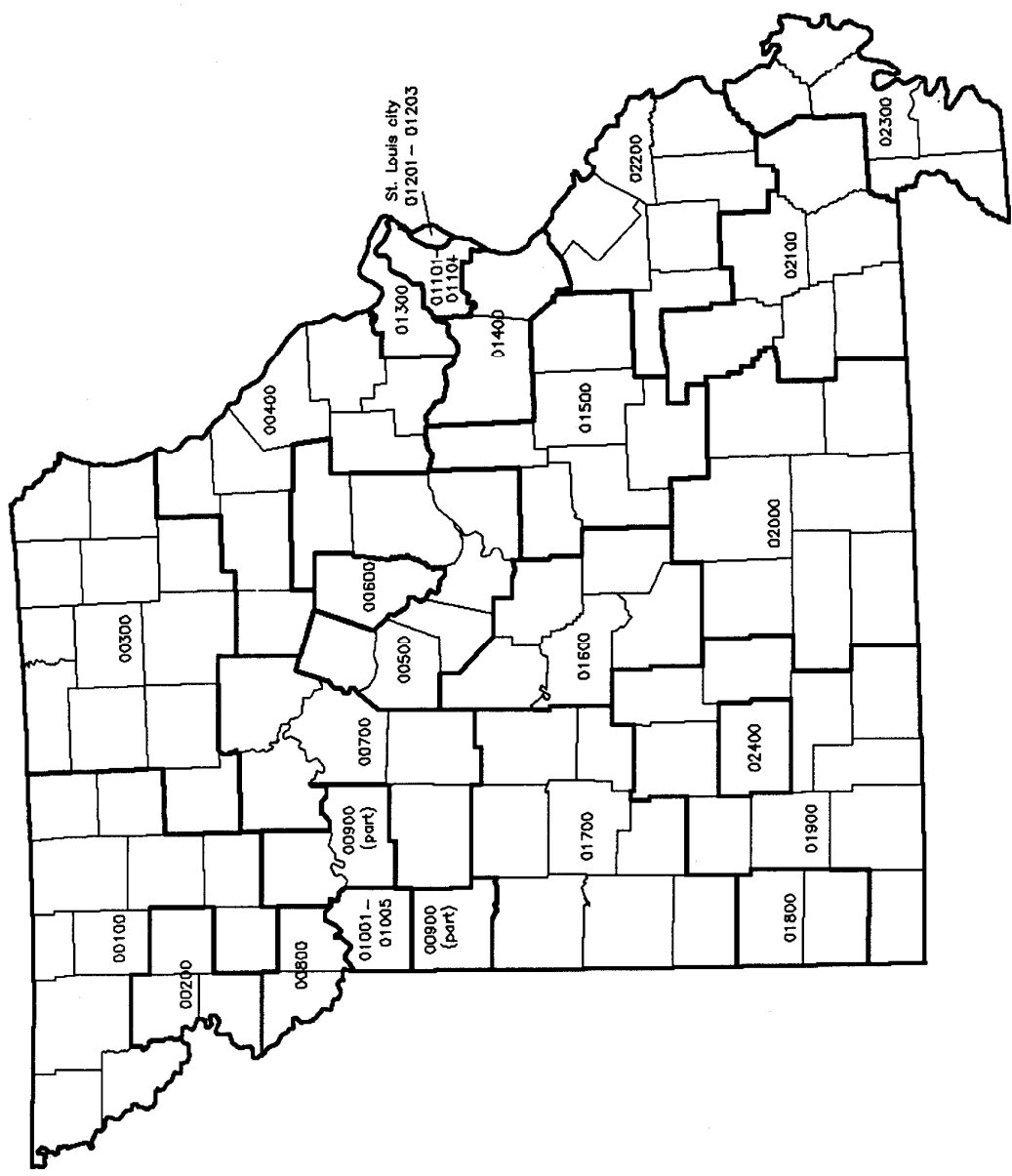
01001-01005	Jackson County
01101-01104	St. Louis County
01201-01203	St. Louis city

Miles

0

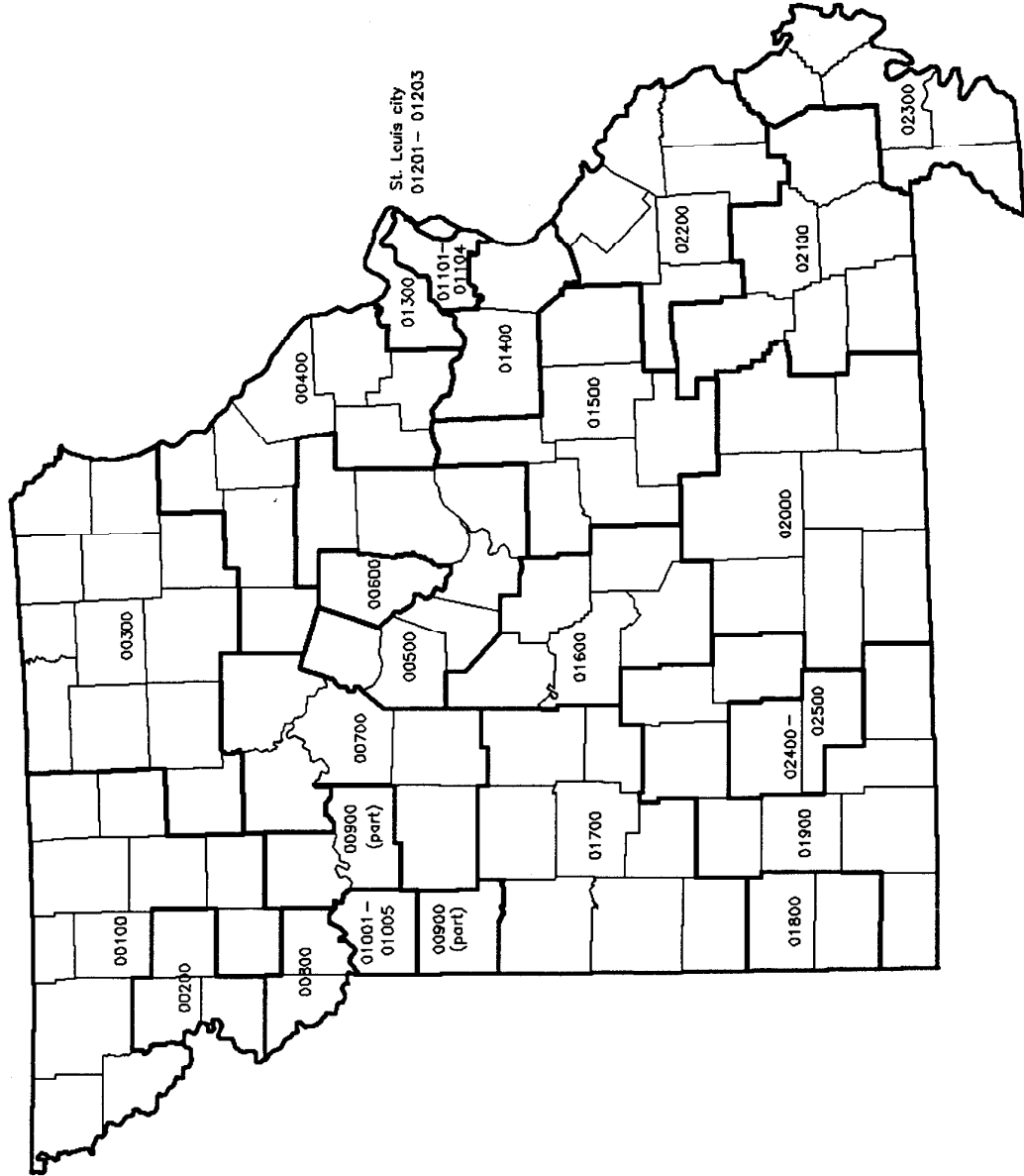
50

100





MISSOURI 1% PUMA BOUNDARIES



MISSOURI 1% PUMA Boundaries

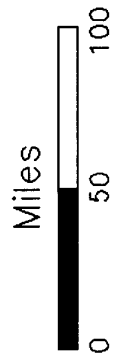
Counties

PUMAs

PUMAs in Selected Areas:

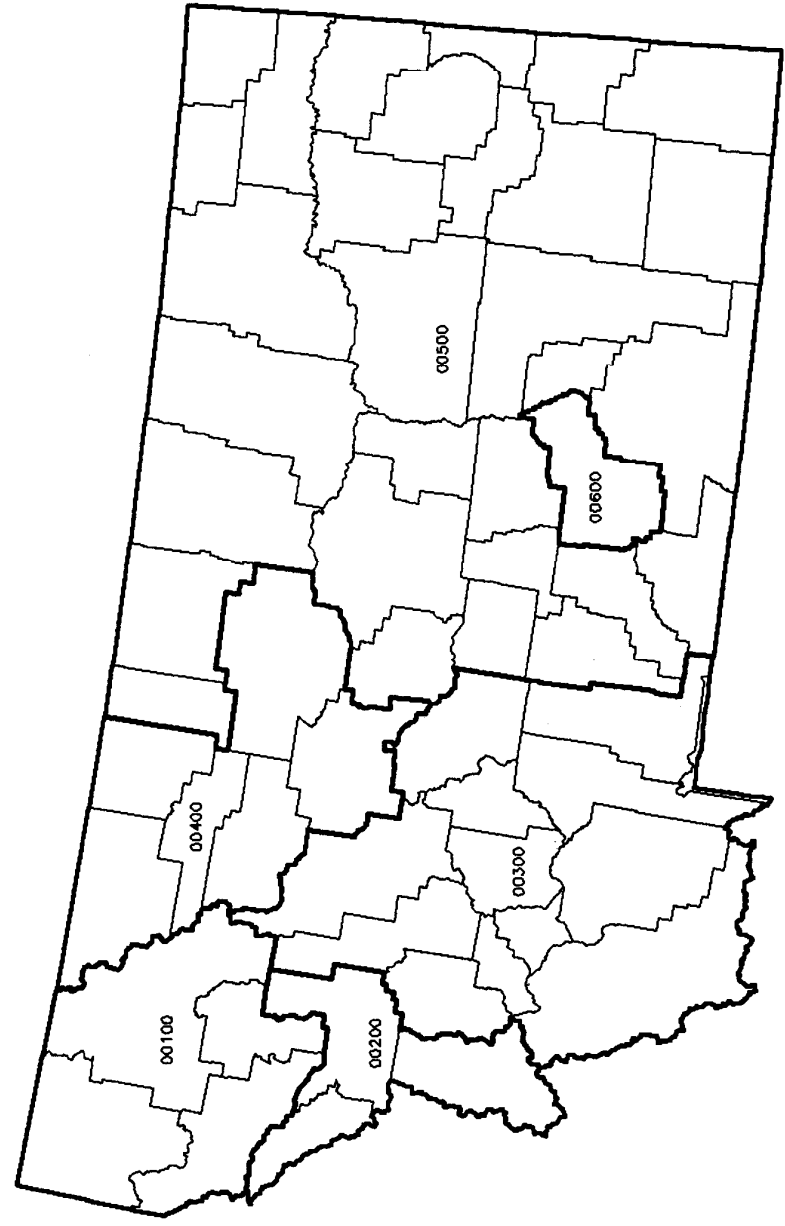
01001-01005	Jackson County
01101-01104	St. Louis County
01201-01203	St. Louis city
02400	Christian County and Greene County
02500	Springfield city *

* Springfield city limit extends into
two counties - Christian and Greene.





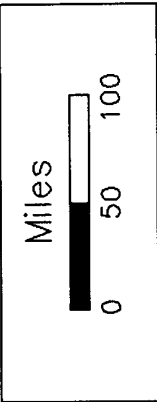
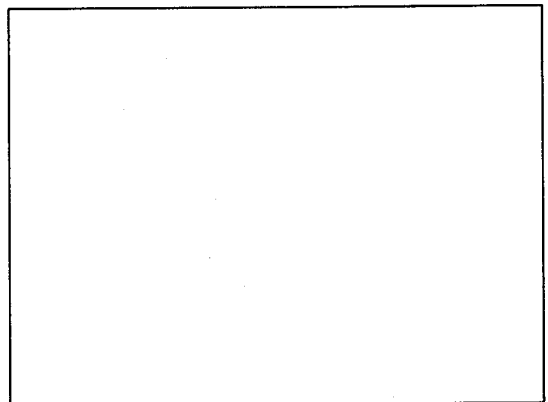
MONTANA
5% PUMA BOUNDARIES



MONTANA 5% PUMA Boundaries

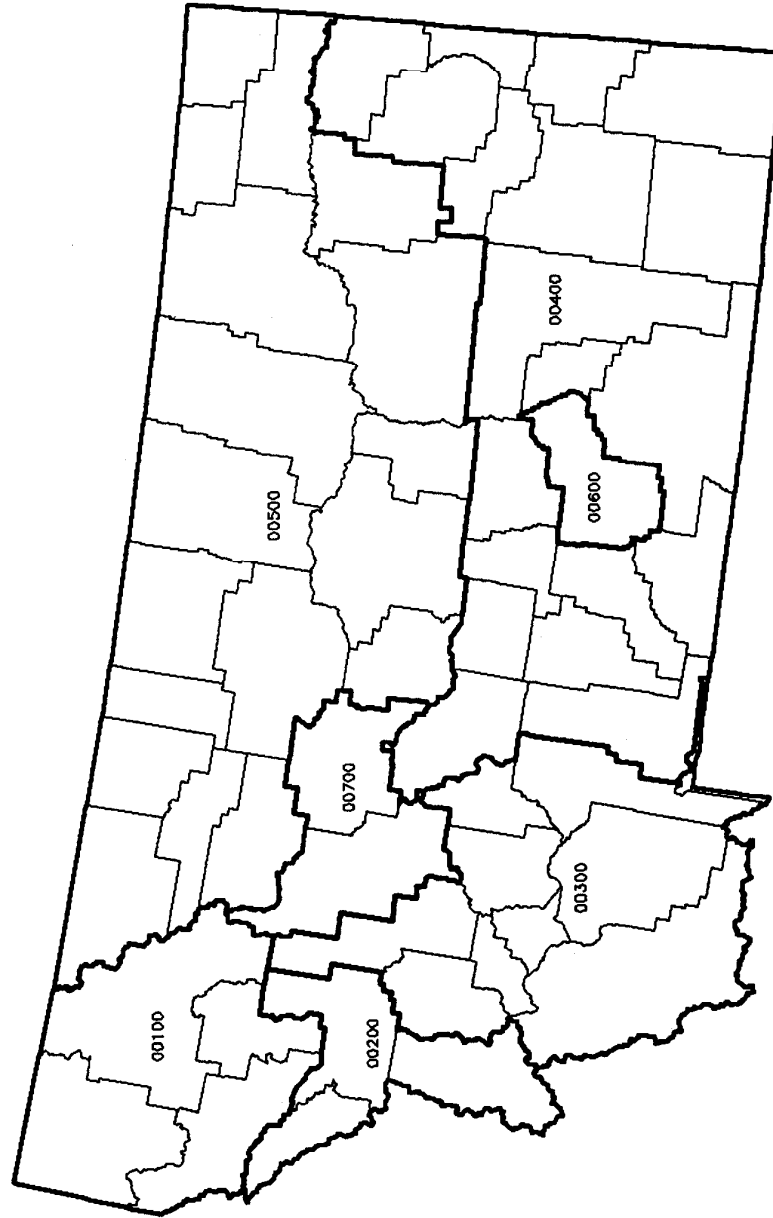
Counties

PUMAs

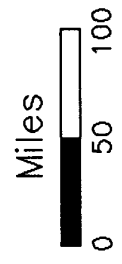
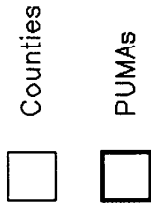




MONTANA
1% PUMA BOUNDARIES



MONTANA 1% PUMA Boundaries






NEBRASKA 5% PUMA BOUNDARIES


NEBRASKA 5% PUMA Boundaries

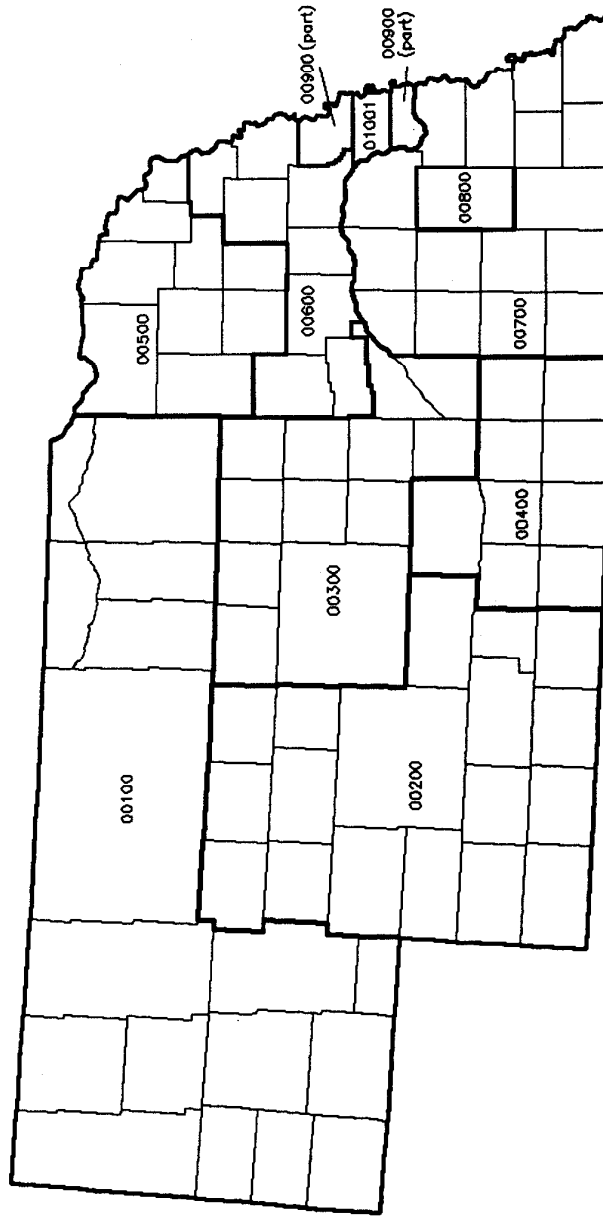
 Counties

 PUMAs

PUMAs in Selected Areas:

01001-01004 Douglas County
Including Omaha city.

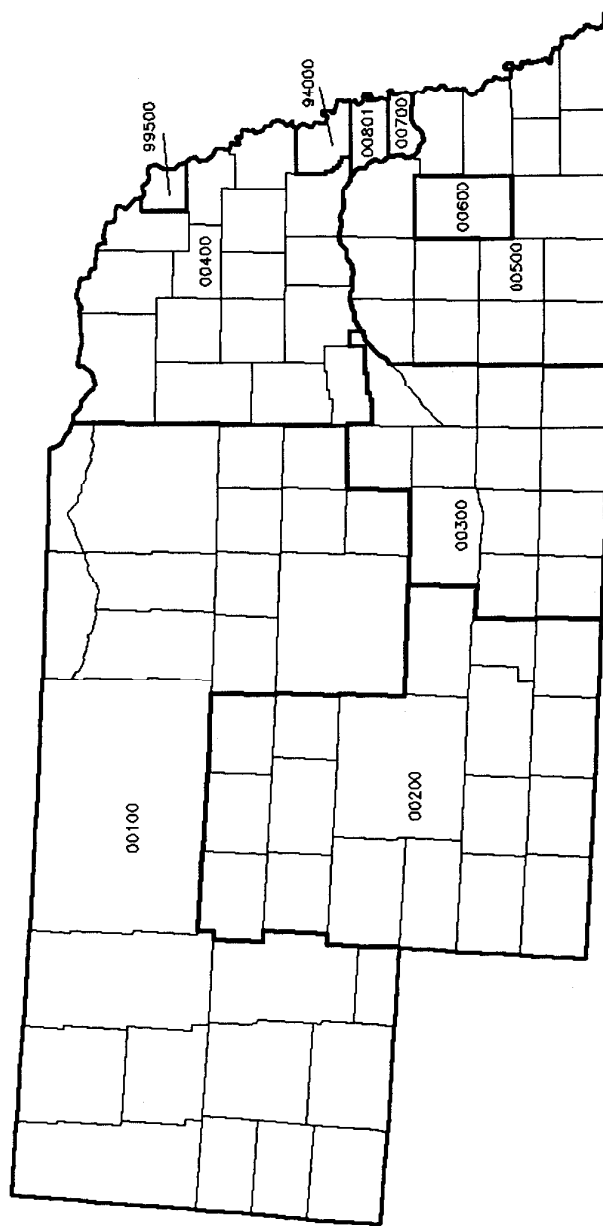
Miles

0 50 100





NEBRASKA

1% PUMA BOUNDARIES



NEBRASKA 1% PUMA Boundaries

☐ Counties

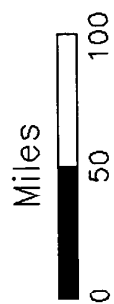
☐ PUMAs

PUMAs in Selected Areas:

00801-00804 Douglas County including
Omaha city (part).

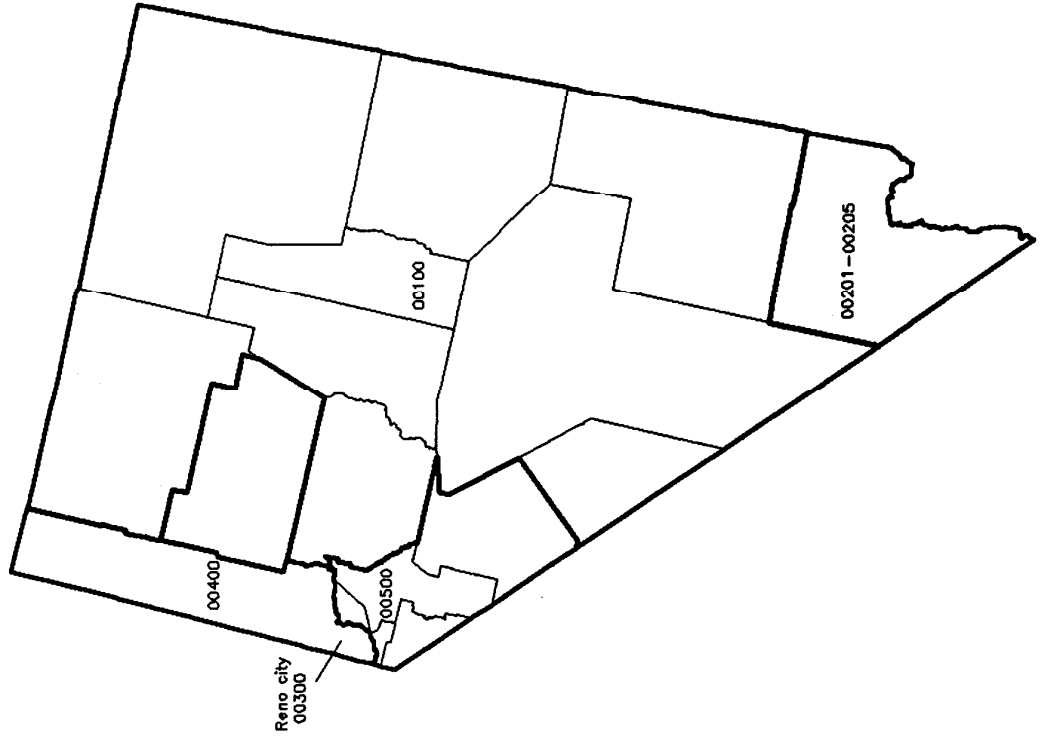
PUMAs Crossing State Lines:

94000 Omaha city (part) and
Washington County (NE), and
Pottawattamie County (IA).
99500 Dakota County (NE) and
Woodbury County (IA).





NEVADA 1% PUMA BOUNDARIES



NEVADA 1% PUMA Boundaries

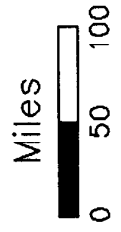
- ☐ Counties
- ☐ PUMAs

PUMAs in Selected Areas:

00201-00205 Clark County including
Las Vegas city.

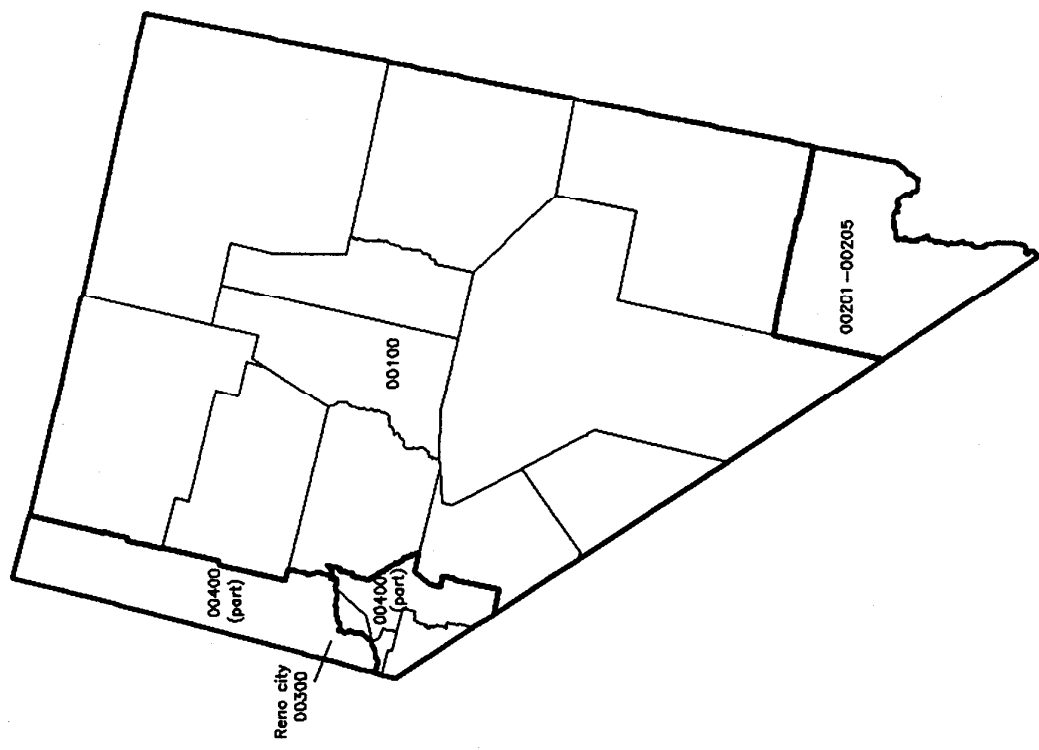
00300 Reno city

00400 Balance of Washoe County





NEVADA 5% PUMA BOUNDARIES

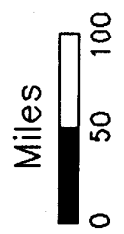


NEVADA 5% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

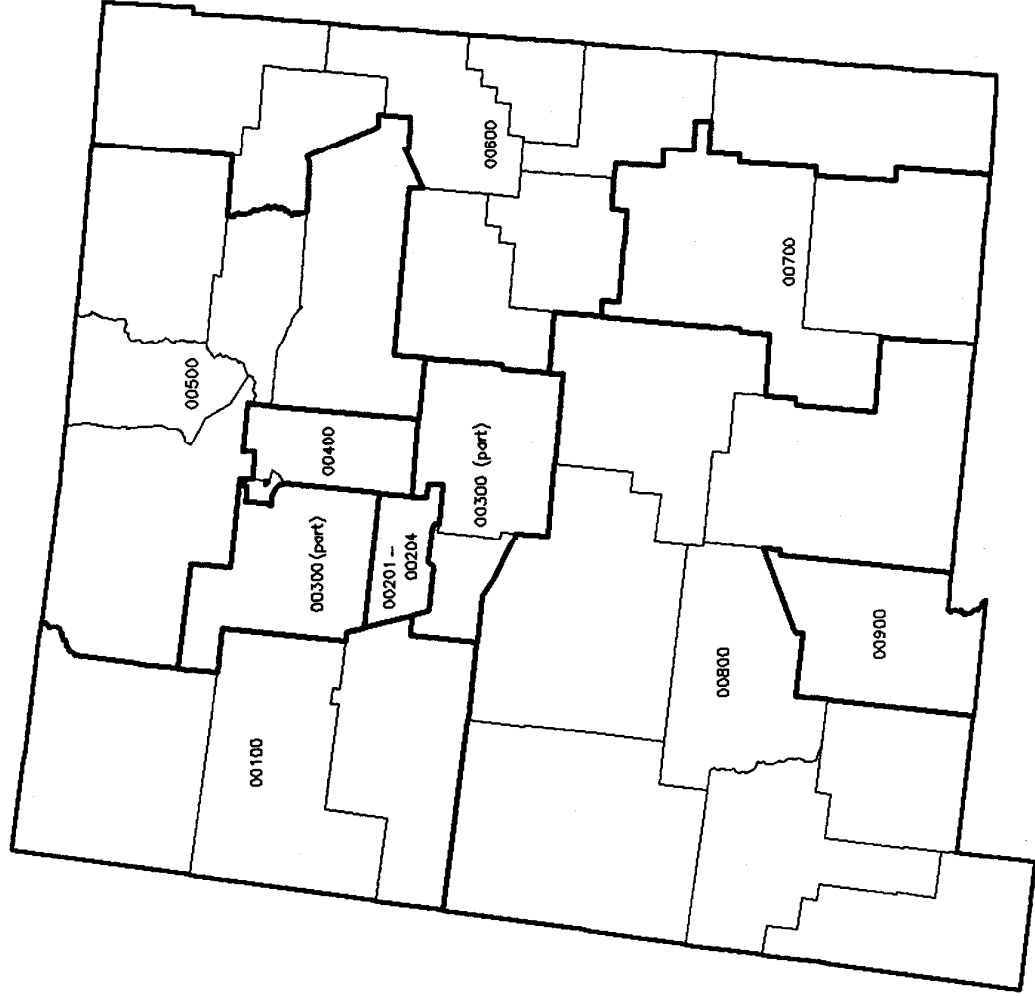
PUMAs in Selected Areas:

- 00201 - 00205 Clark County including Las Vegas city.
- 00300 Reno city
- 00400 Balance of Washoe County, Douglas, Lyon, and Storey counties, and Carson city.



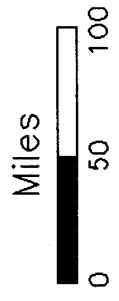


NEW MEXICO
5% PUMA BOUNDARIES



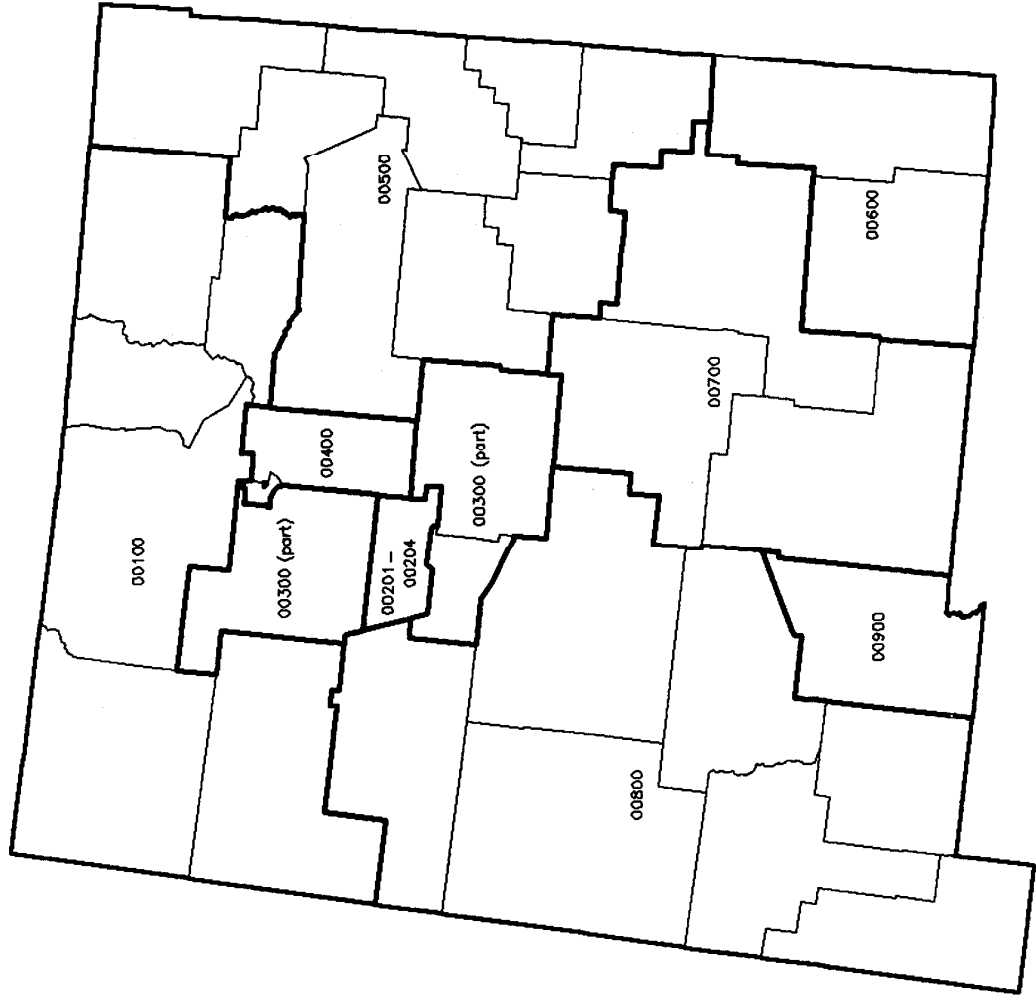
NEW MEXICO 5% PUMA Boundaries

- Counties
- PUMAs
- States



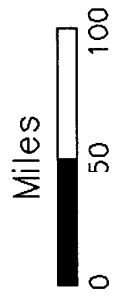


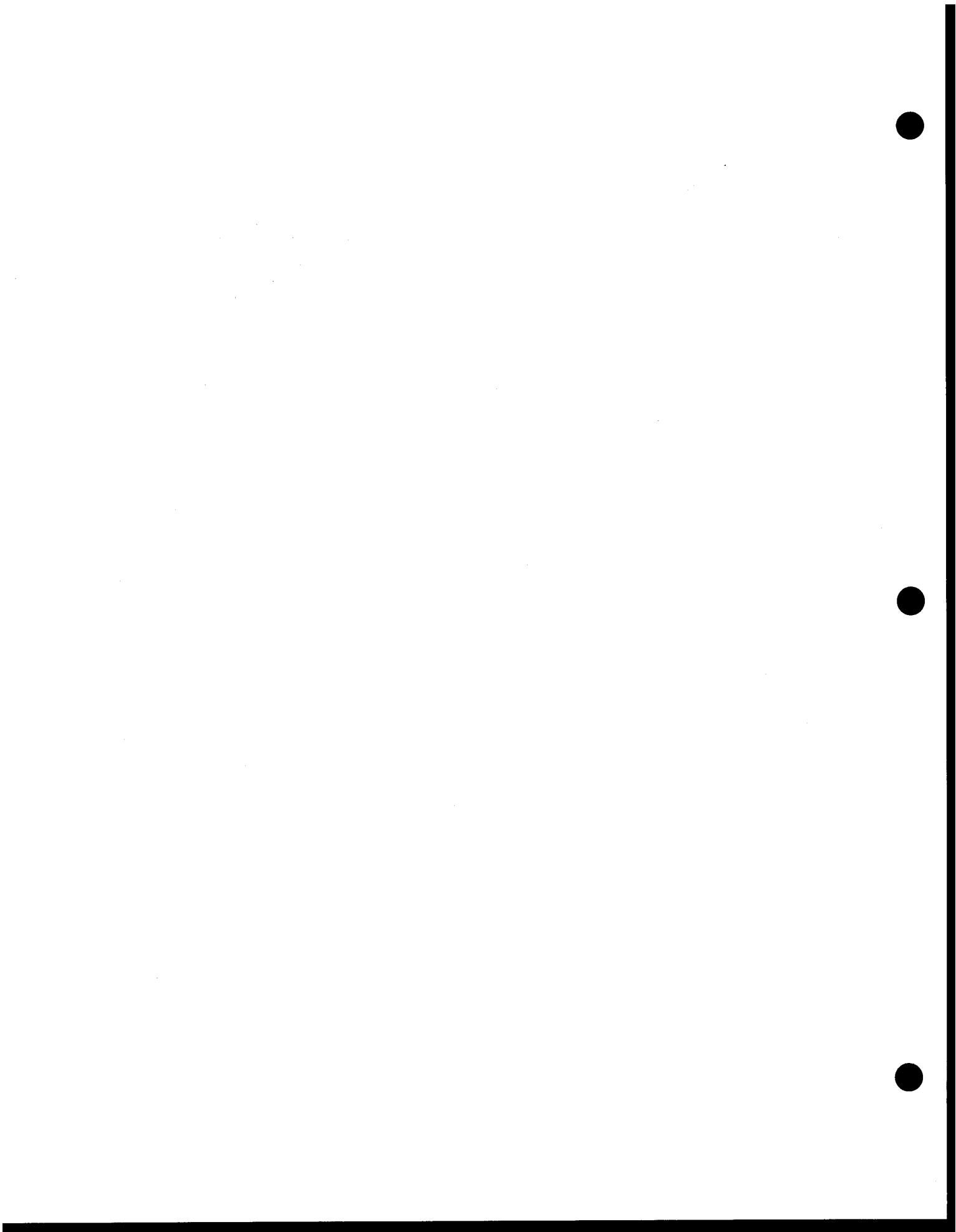
NEW MEXICO
1% PUMA BOUNDARIES



NEW MEXICO 1% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs
- ☐ States





NEW YORK 5% PUMA BOUNDARIES

NEW YORK 5% PUMA Boundaries

Counties

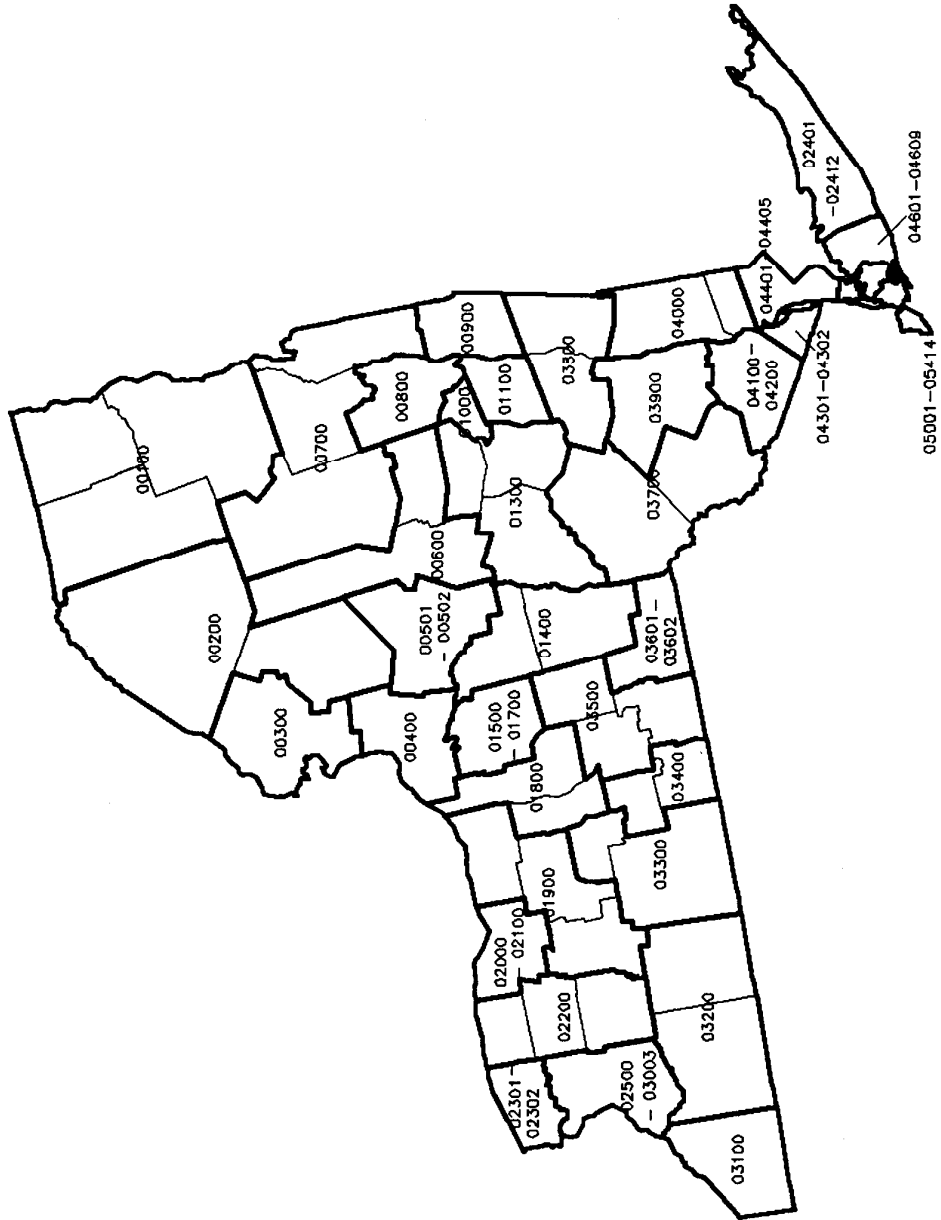
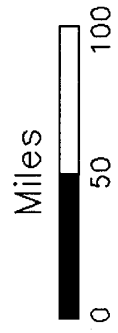


PUMA



PUMAs in Selected Areas:

01500 Syracuse city
02100 Rochester city
03001-03003 Buffalo city
05001-05414 New York city





NEW YORK 1% PUMA Boundaries

Counties



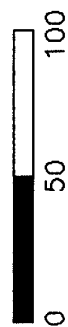
PUMA



PUMAs in Selected Areas:

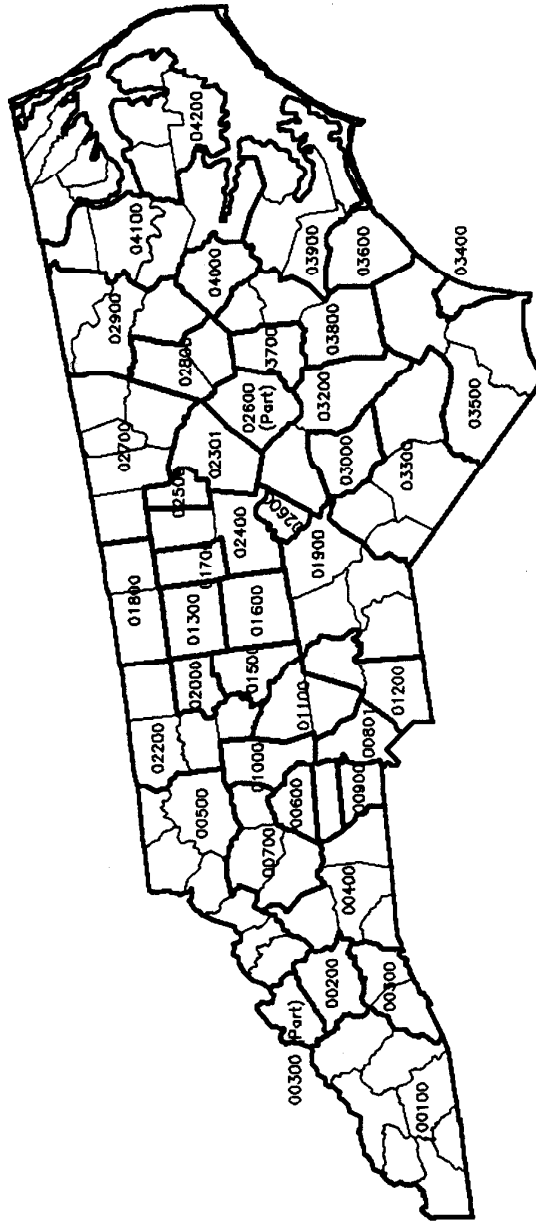
02400	Rochester city
02901-02903	Buffalo city
04200-04300	Rockland County
04400-05000	Westchester County
05101-05514	New York City
05601-05612	Nassau County

Miles





NORTH CAROLINA 5% PUMA BOUNDARIES



NORTH CAROLINA 5% PUMA Boundaries

Counties



PUMA



States



PUMAs In Selected Areas:

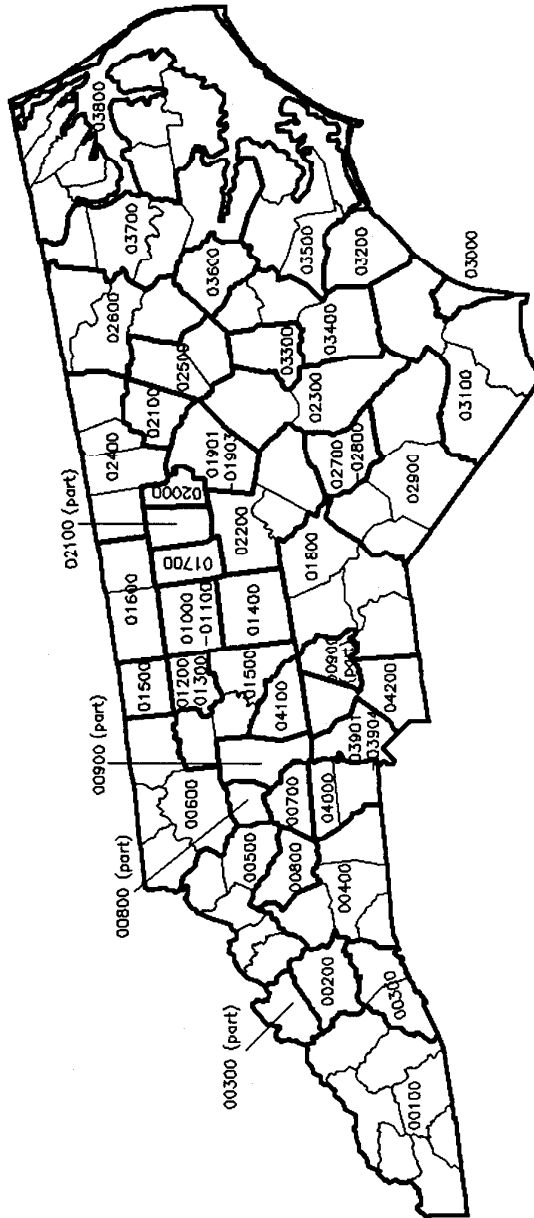
00801-00804 Mecklenburg County
01300-01400 Guilford County
02000-02100 Forsyth County
02301-02303 Wake County
03000-03100 Cumberland County

Miles





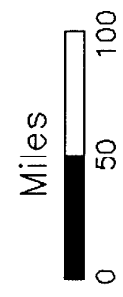
NORTH CAROLINA 1% PUMA BOUNDARIES



N. CAROLINA 1% PUMA Boundaries

- Counties
- PUMA
- States

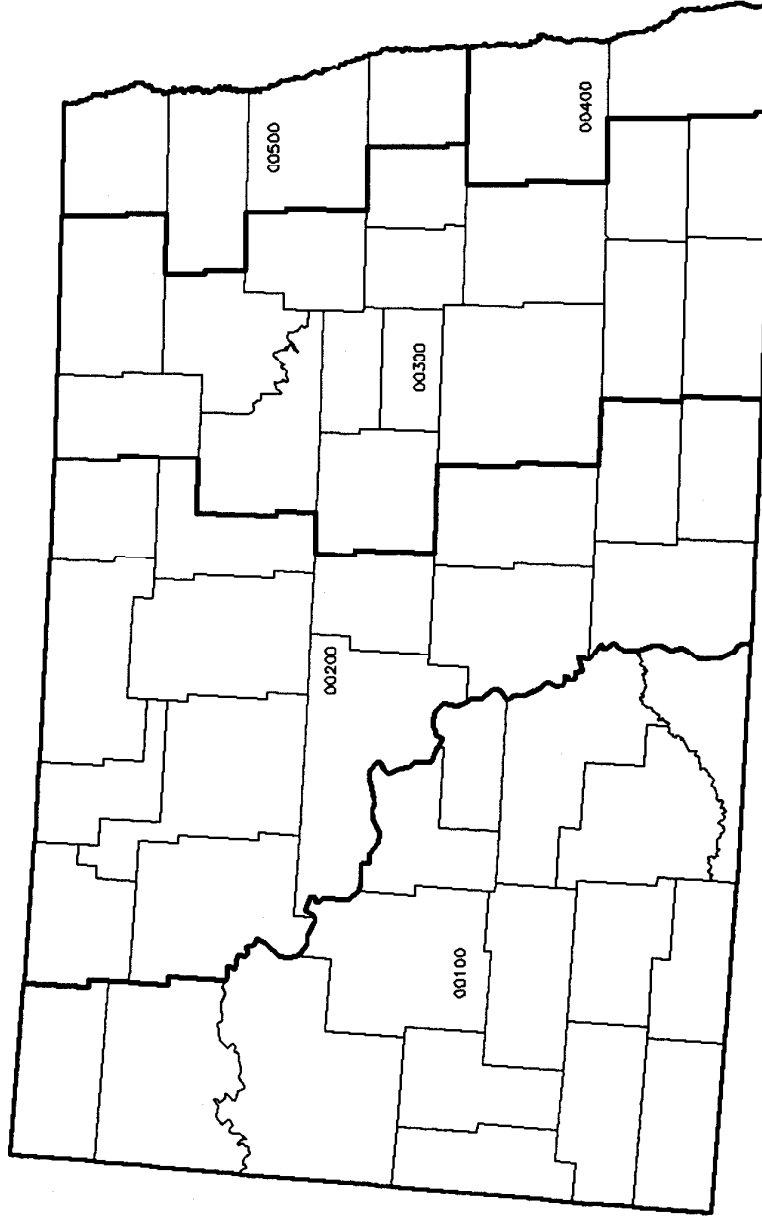
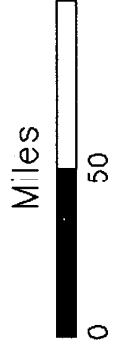
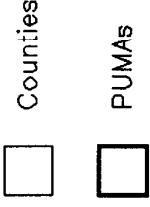
PUMAs In Selected Areas:
 01000 Greensboro city
 01200 Winston-Salem city
 01901-01903 Wake County
 03901-03904 Mecklenburg County





NORTH DAKOTA
5% PUMA BOUNDARIES

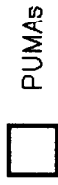
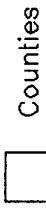
N. DAKOTA 5% PUMA Boundaries





NORTH DAKOTA
1% PUMA BOUNDARIES

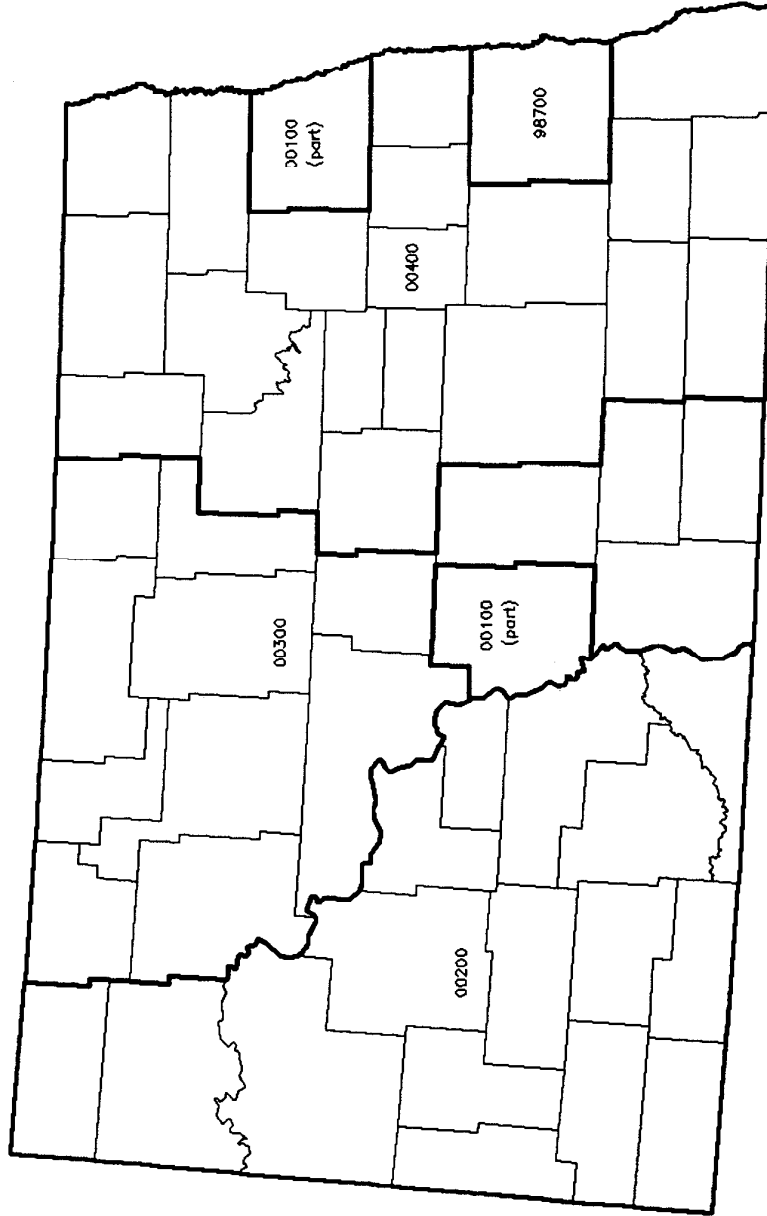
N. DAKOTA 1% PUMA Boundaries



PUMA Crossing State Lines:

98700 Cass County (ND) and
Cay County (MN)

Miles





OHIO 5% PUMA BOUNDARIES

OHIO 5% PUMA Boundaries

Counties



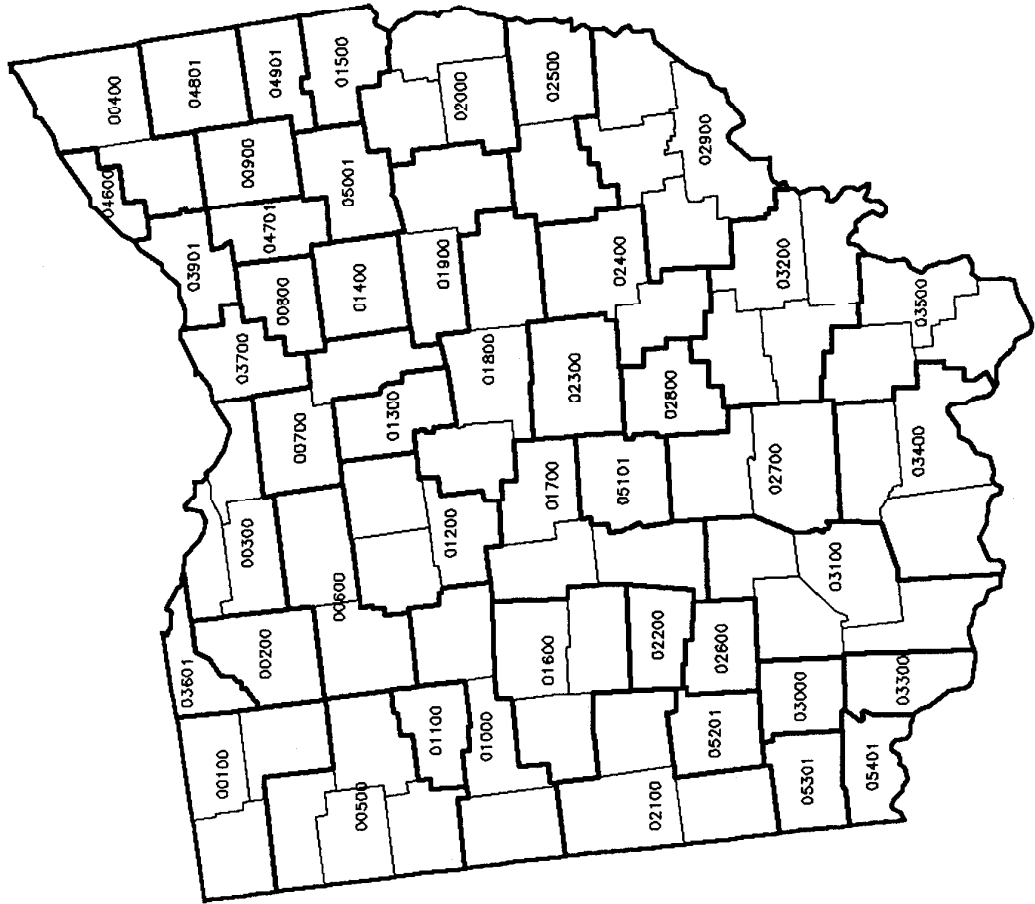
PUMAs



PUMAs in Selected Areas:

03601-03604 Lucas County including
Toledo city.
03700-03800 Lorain County
03901-03905 Cleveland city
04000-04500 Balance of Cuyahoga County
04701-04704 Summit County
04801-04802 Trumbull County
04901-04902 Mahoning County
05001-05003 Stark County
05101-05107 Franklin County including
Columbus city.
05201-05205 Montgomery County
05301-05302 Butler County
05401-05406 Hamilton County including
Cincinnati city.

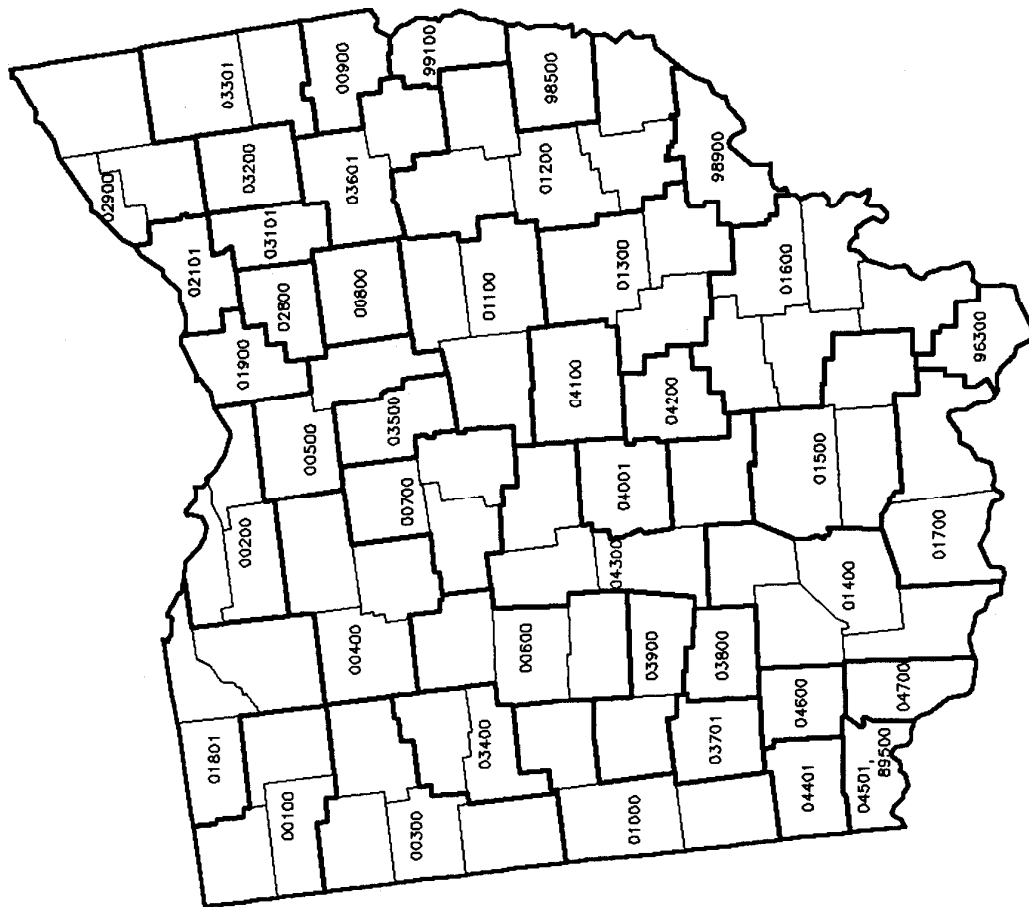
Miles
0 20 40



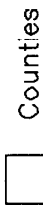


OHIO

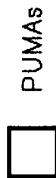
1% PUMA BOUNDARIES



OHIO 1% PUMA Boundaries



Counties



PUMAs

PUMAs in Selected Areas:

01801-01805 Fulton, Lucas, and Wood counties.
01900-02000 Lorain County
02101-02105 Cleveland city
02200-02700 Balance of Cuyahoga County
02900-03000 Ashtabula, Geauga, and Lake counties.

03101-03104 Summit County
03301-03304 Mahoning and Trumbull cos.
03601-03603 Stark and Carroll cos.
04501-04505 Hamilton County (part)

PUMAs Crossing State Lines:

89500 Hamilton County—part (OH) and Dearborn County (IN).
96300 Lawrence County (OH), Boyd, Carter, and Greenup counties (KY), Cabell and Wayne Counties (WV).
98500 Belmont County (OH), Marshall and Ohio counties (WV).
98900 Washington County (OH), Wood County (WV).
99100 Jefferson County (OH), Brooke and Hancock counties (WV).

Miles

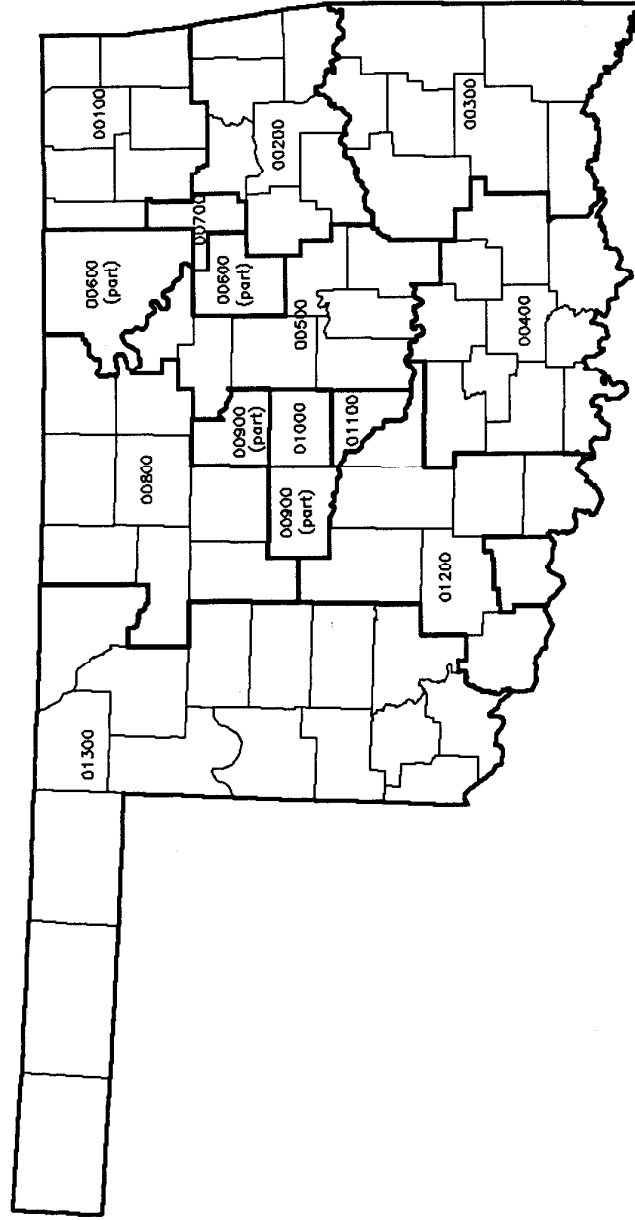
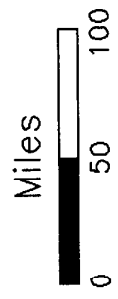




OKLAHOMA 5% PUMA BOUNDARIES

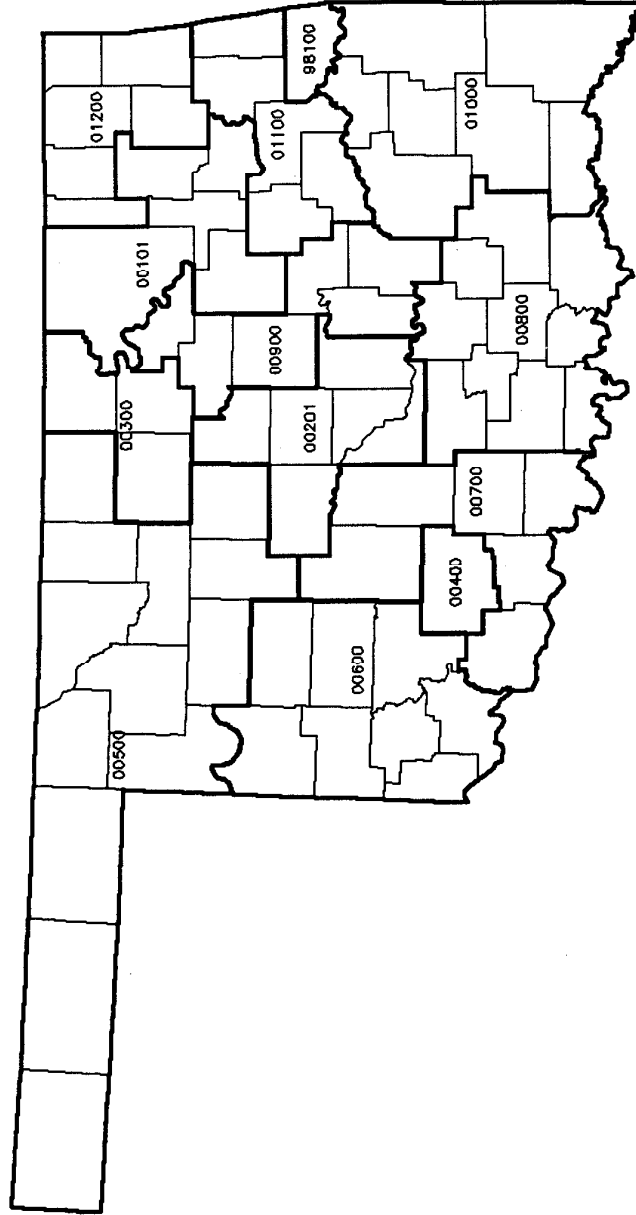
OKLAHOMA 5% PUMA Boundaries

- Counties
- PUMAs





OKLAHOMA 1% PUMA BOUNDARIES



OKLAHOMA 1% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

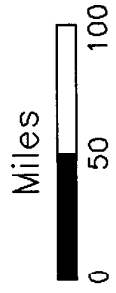
PUMAs in Selected Areas:

00101-00105 Tulsa city, Creek County,
the balance of Osage,
Rogers, and Tulsa counties,
and Wagoner County.

00201-00206 Oklahoma City, Logan County,
and the balance of Canadian,
Cleveland, McClain, and
Pottawatomie counties.

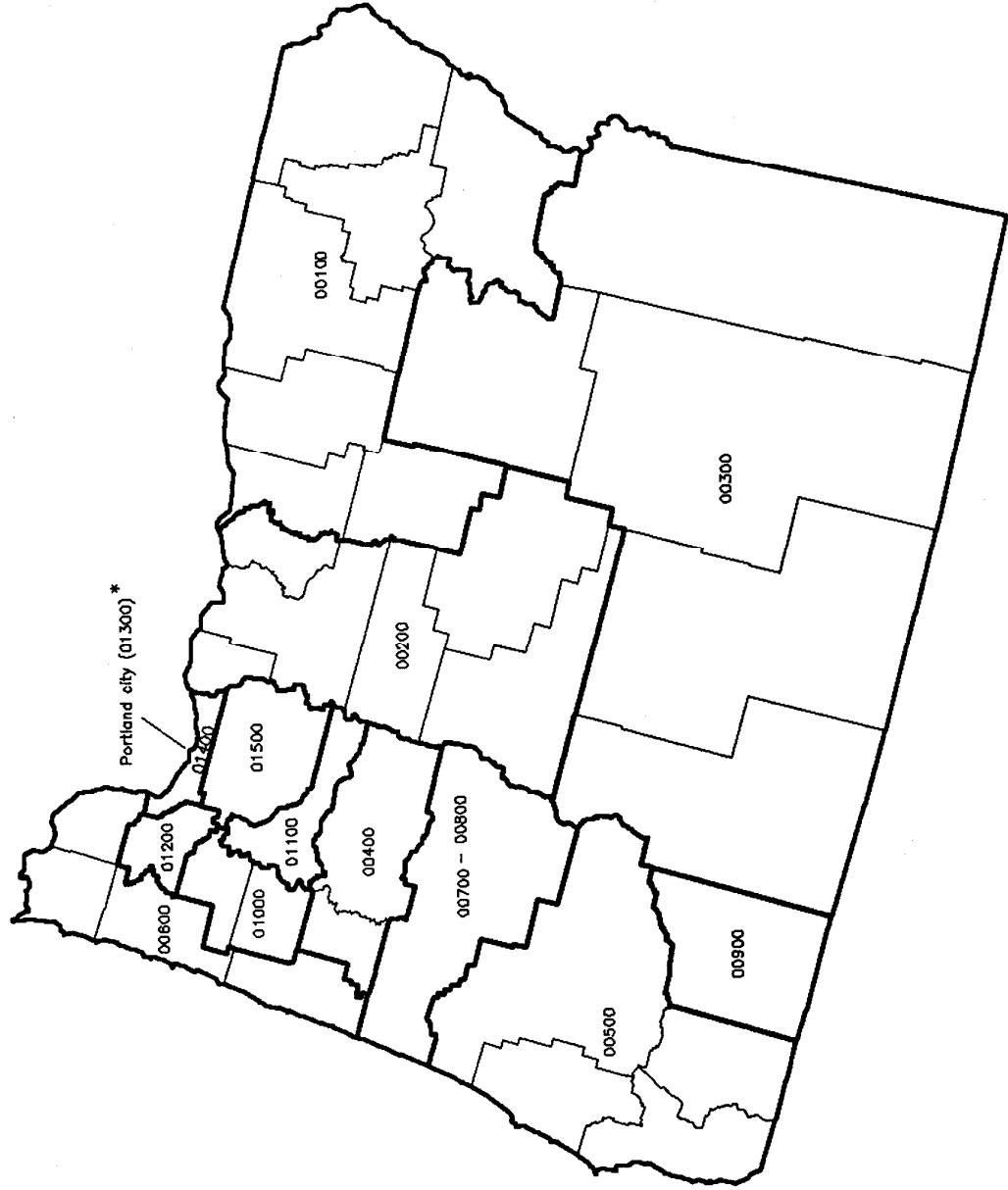
PUMA Crossing State Lines:

98100 Sequoyah County (OK) and
Crawford and Sebastian counties (AR).





OREGON
5% PUMA BOUNDARIES



OREGON 5% PUMA Boundaries

Counties

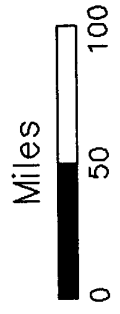


PUMAs



PUMAs In Selected Areas:
00700 Eugene city
01300 Portland city

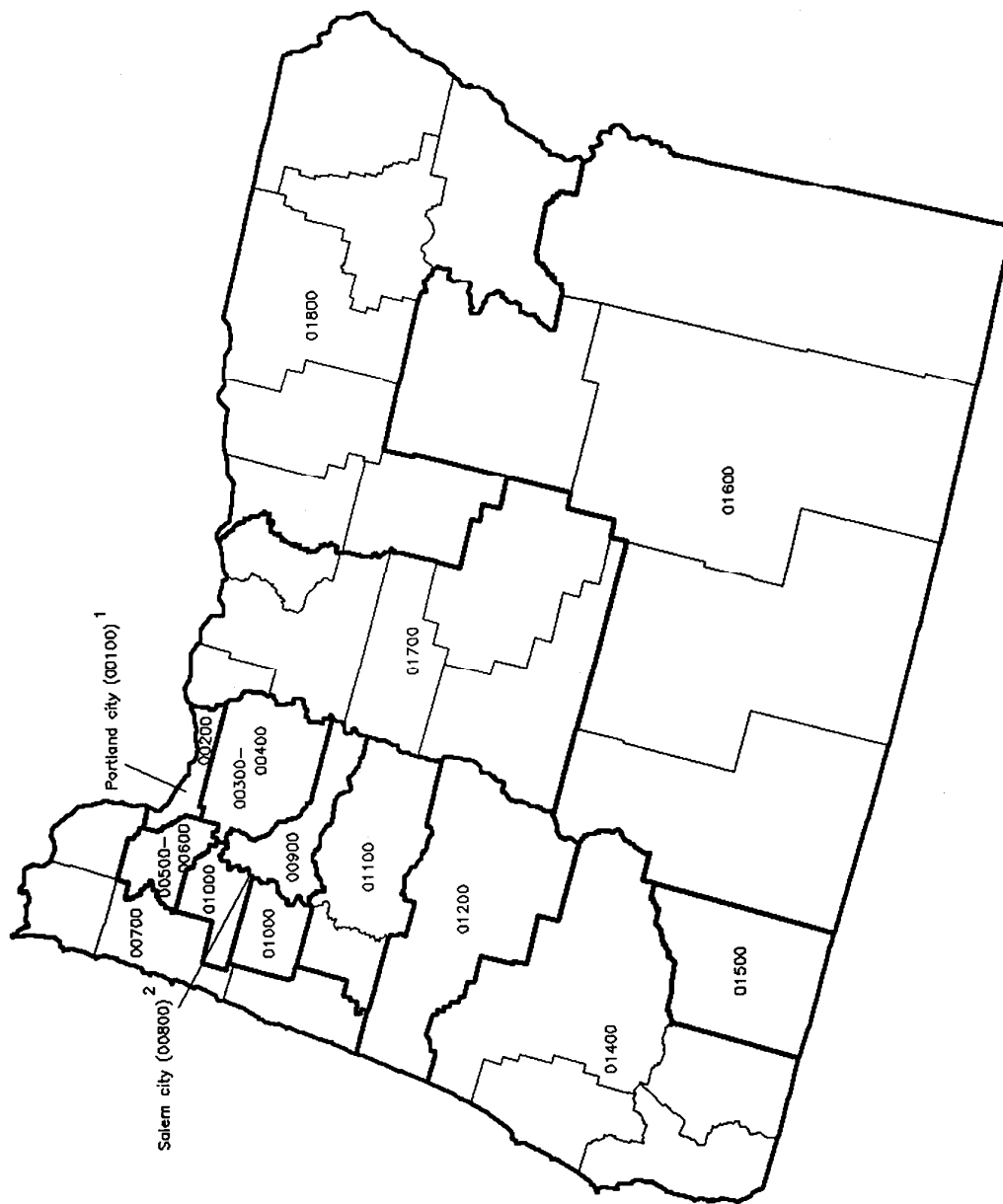
* Portland city boundary extends
into 3 counties: Clackamas,
Multnomah, and Washington.





1

OREGON 1% PUMA BOUNDARIES



OREGON 1% PUMA Boundaries

Counties



PUMAs



PUMAs In Selected Areas:

00100 Portland city¹
 00200 Multnomah County
 00300-00400 Clackamas County
 00500-00600 Washington County
 00800 Salem city²
 00900 Marion County
 01000 Polk and Yamhill counties
 01200 Eugene city
 01300 Lane County

¹ Portland city boundary extends into 3 counties: Clackamas, Multnomah, and Washington.

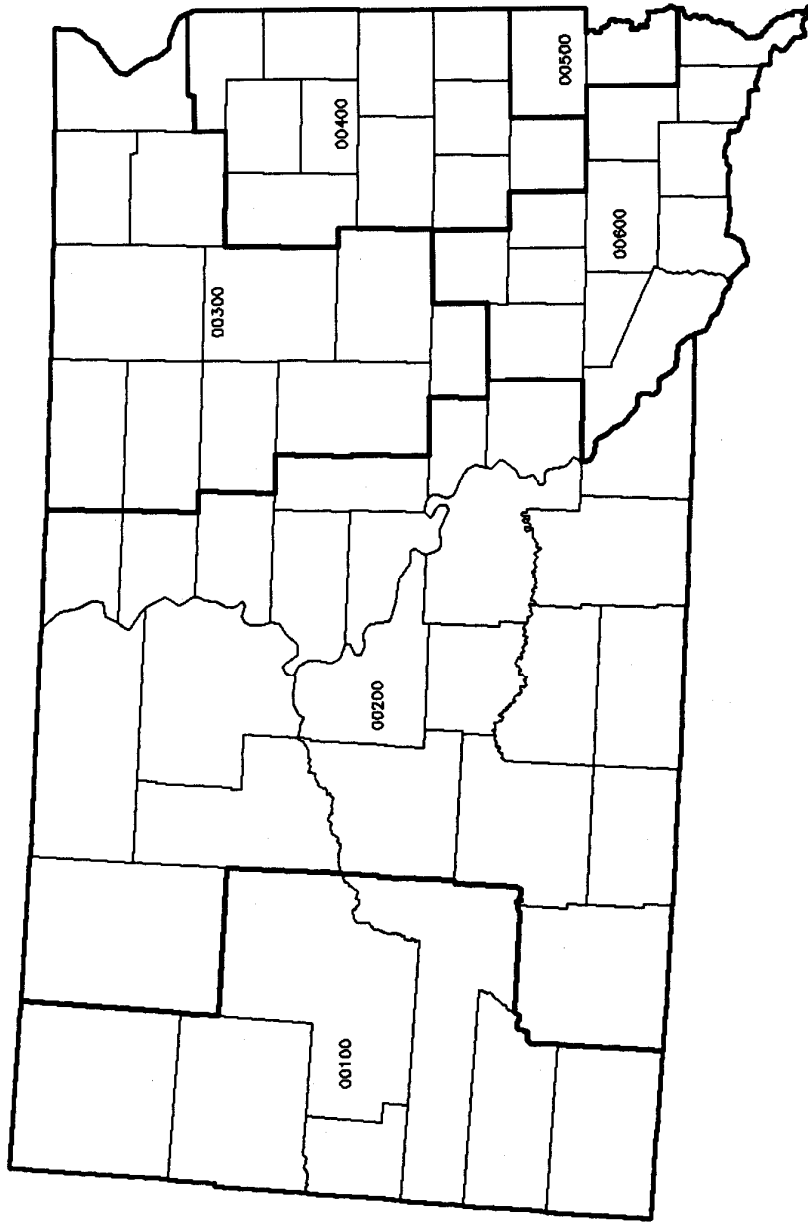
² Salem city boundary extends into 2 counties: Marion and Polk.

Miles



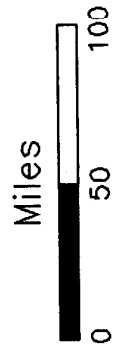


SOUTH DAKOTA
5% PUMA BOUNDARIES



S. DAKOTA 5% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

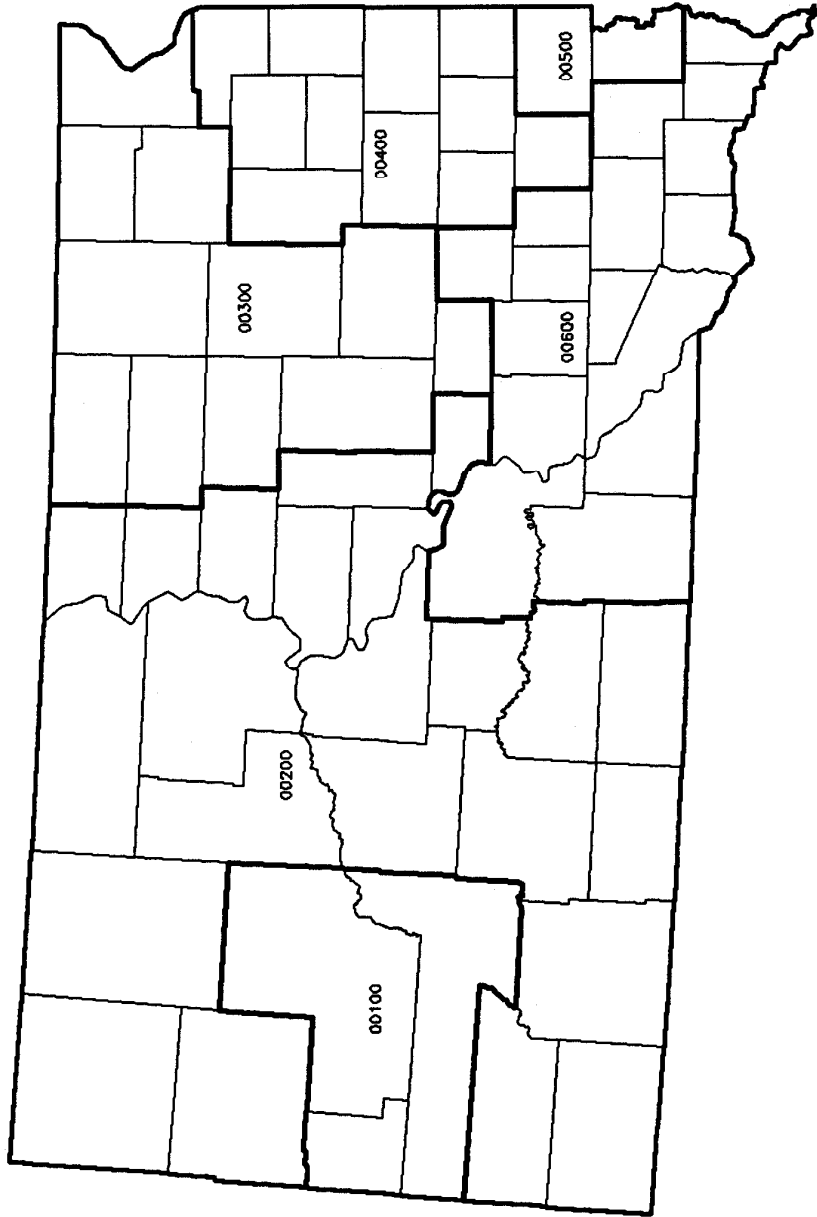
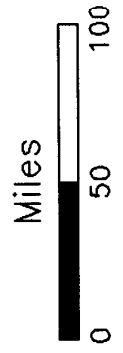




SOUTH DAKOTA
1% PUMA BOUNDARIES

S. DAKOTA 1% PUMA Boundaries

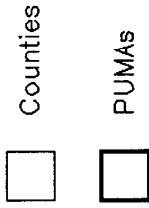
- ☐ Counties
- ☐ PUMAs





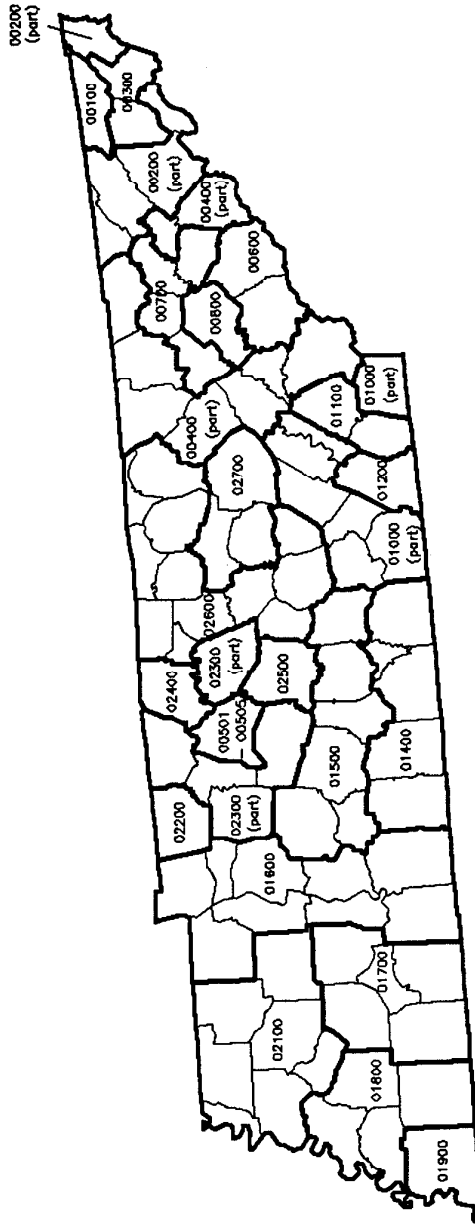
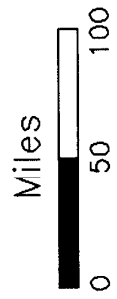
TENNESSEE 5% PUMA BOUNDARIES

TENNESSEE 5% PUMA Boundaries



PUMAs in Selected Areas:

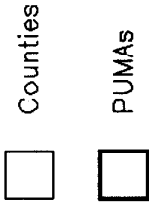
00501 - 00505 Nashville - Davidson
 00800 Knoxville city
 00900 Balance of Knox County
 01200 Chattanooga city
 01300 Balance of Hamilton County
 01900 Memphis city
 02000 Balance of Shelby County





TENNESSEE 1% PUMA BOUNDARIES

TENNESSEE 1% PUMA Boundaries

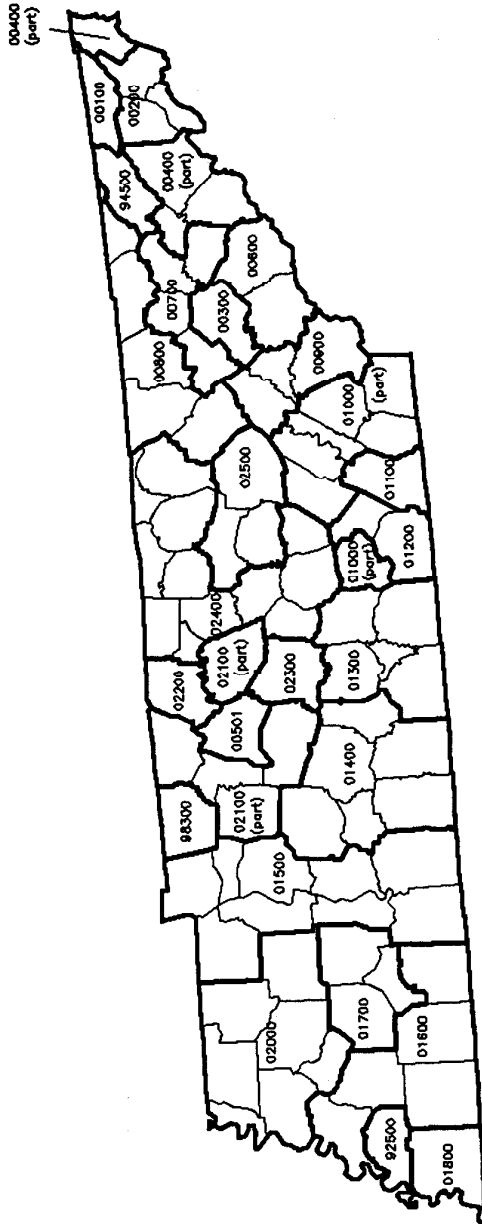
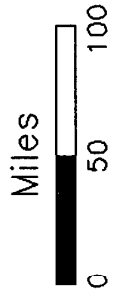


PUMAs in Selected Areas:

00501—00505 Nashville—Davidson
01100 Chattanooga city
01200 Balance of Hamilton County,
Marion County, and Sequatchie County,
01800 Memphis city
01900 Balance of Shelby County

PUMAs Crossing State Lines:

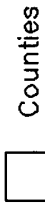
92500 Tipton County (TN), Crittenden
County (AR), and DeSoto County (MS),
94500 Hawkins County (TN) and Scott
County, Washington County, and
Bristol city (VA),
98300 Montgomery County (TN) and
Christian County (KY).



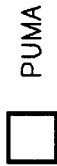


TEXAS 5% PUMA BOUNDARIES

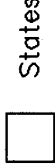
TEXAS 5% PUMA Boundaries



Counties



PUMA

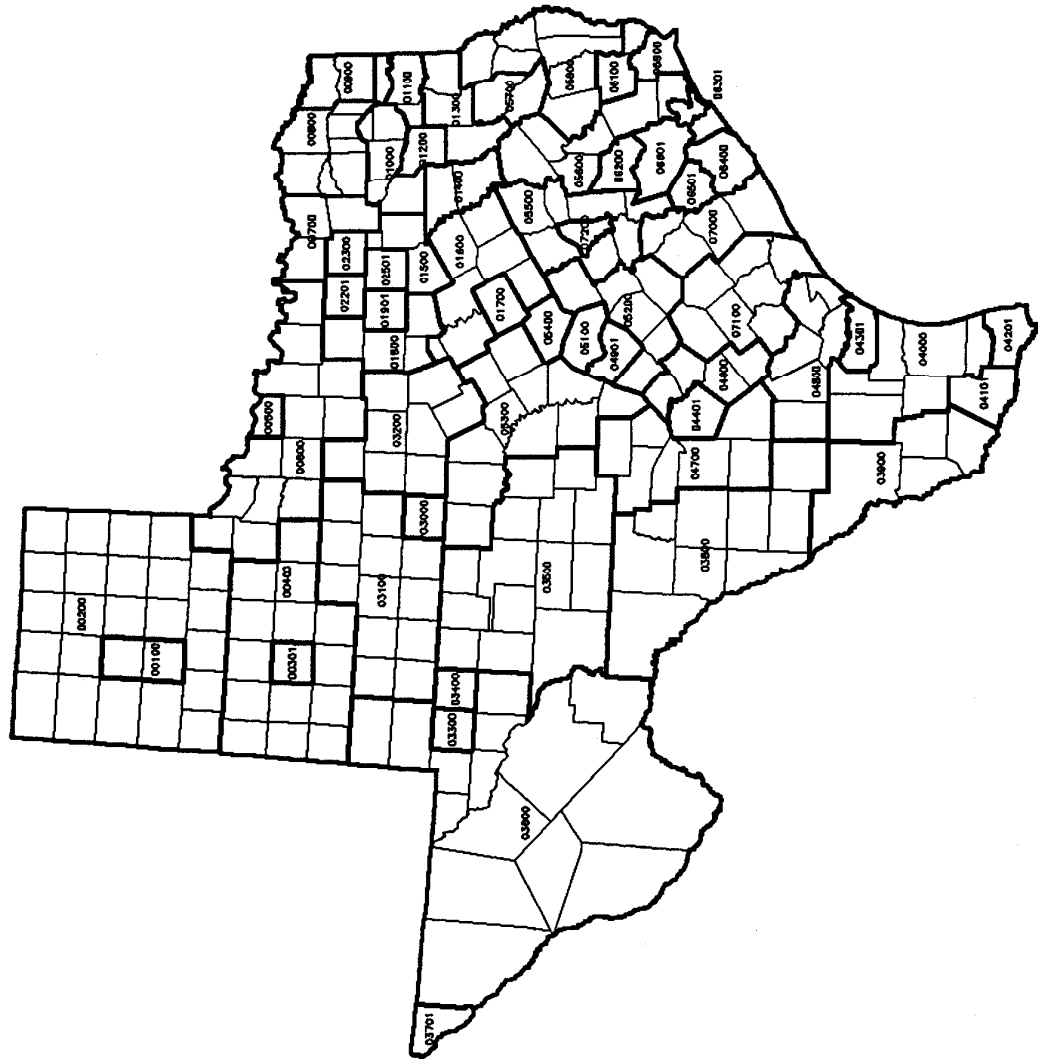
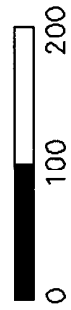


States

PUMAs In Selected Areas:

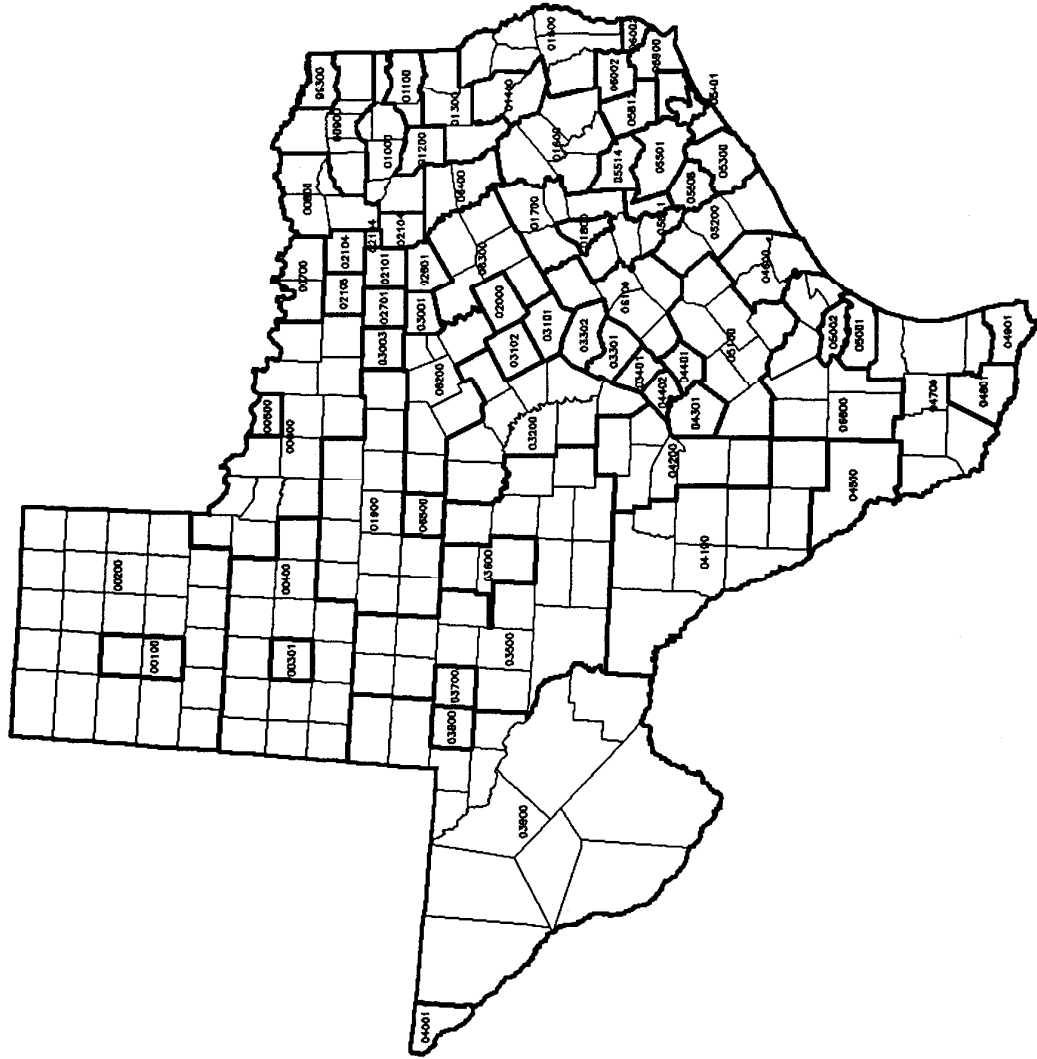
00301-00302 Lubbock city
01901-01904 Fort Worth city
02001-02002 Arlington city
02501-02509 Dallas city
03701-03704 El Paso city
04201-04202 Brownsville city
04301-04302 Corpus Christi city
04401-04408 San Antonio city
04901-04904 Austin city
06601-06615 Houston city

Miles





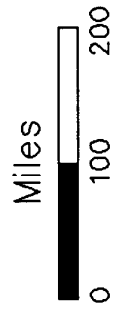
TEXAS 1% PUMA BOUNDARIES



TEXAS 1% PUMA Boundaries

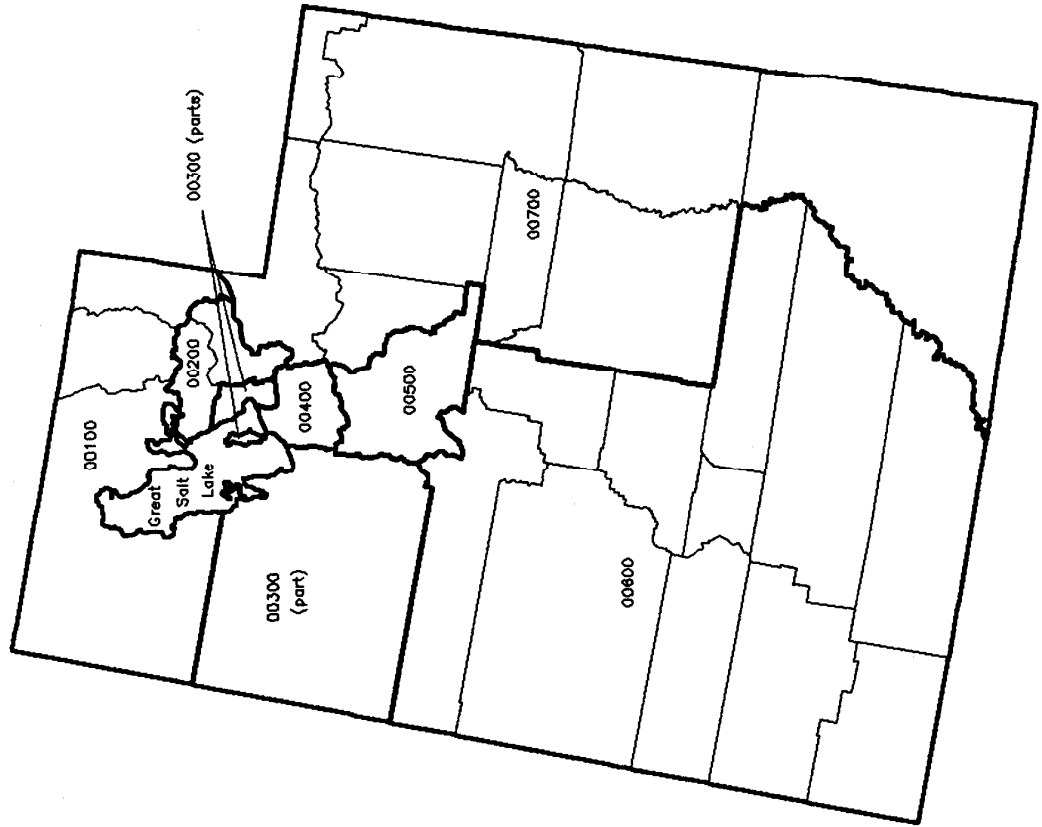
- ☐ Counties
- ☐ PUMA
- ☐ States

PUMAs In Selected Areas:
 00301-00302 Lubbock city
 02101-02108 Dallas city
 02701-02704 Fort Worth city
 02801-02802 Arlington city
 03301-03304 Austin city
 04001-04005 El Paso city
 04301-04308 San Antonio city
 05001-05003 Corpus Christi city
 05501-05515 Houston city

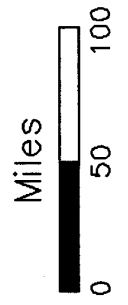
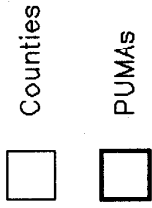




UTAH
5% PUMA BOUNDARIES

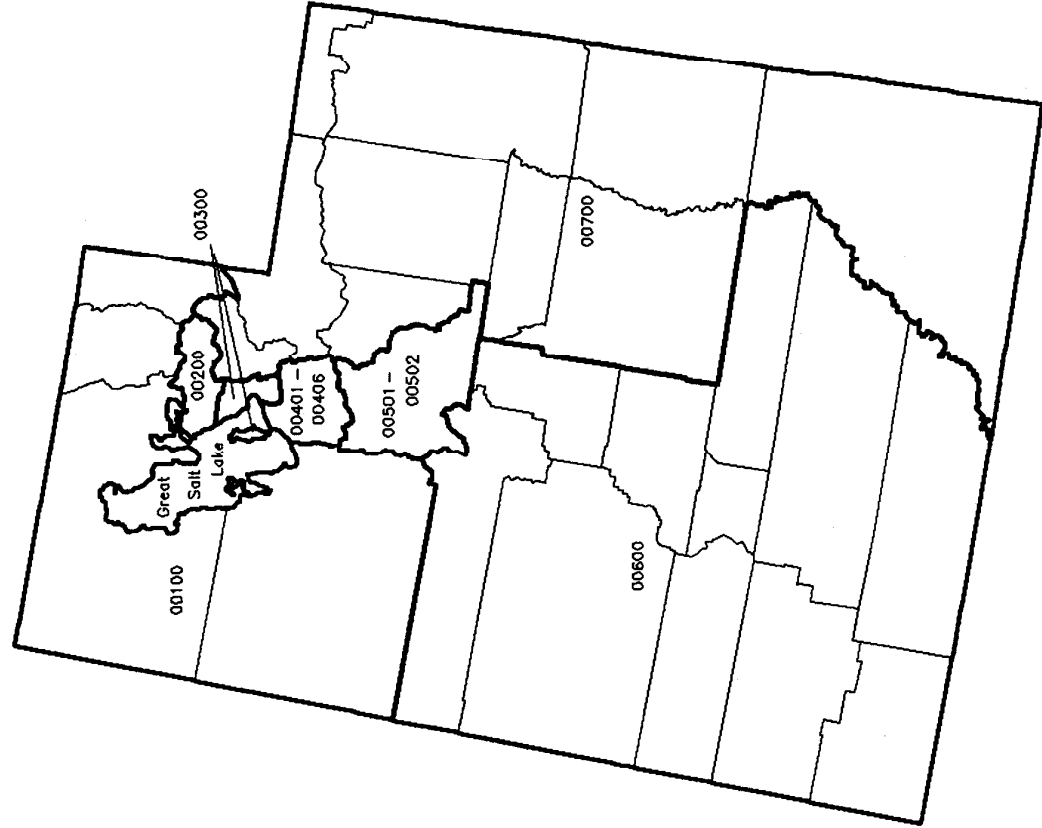


UTAH 5% PUMA Boundaries





UTAH 1% PUMA BOUNDARIES



UTAH 1% PUMA Boundaries

Counties



PUMAs



PUMAs in Selected Areas:

00401-00406 Salt Lake County
including Salt Lake city.

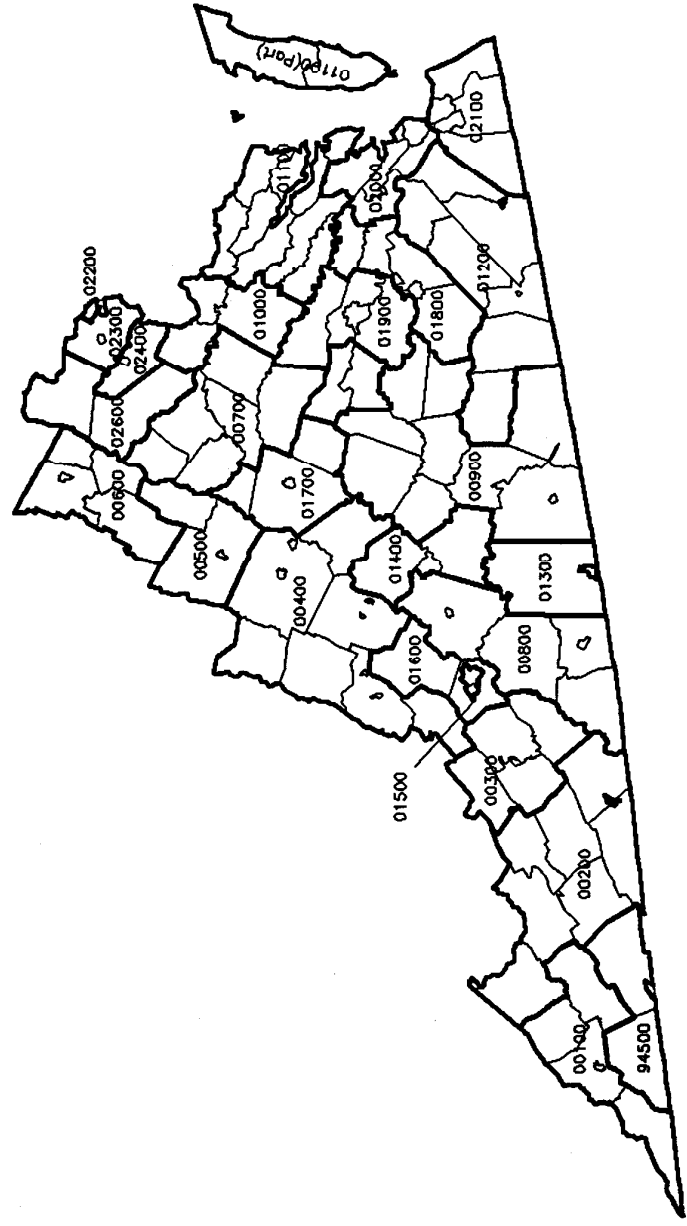
00501-00502 Utah County including
Orem and Provo cities.

Miles





VIRGINIA 1% PUMA BOUNDARIES

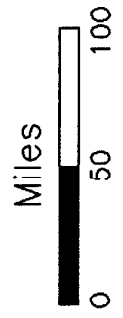


VIRGINIA 1% PUMA Boundaries

- ☐ Counties
- ☐ PUMA
- ☐ States

PUMAs in Independent Cities:

02500 Alexandria	02400 Manassas
00800 Bedford	02400 Manassas Park
94500 Bristol	00800 Martinsville
00400 Buena Vista	02000 Newport News
01700 Charlottesville	02100 Norfolk
02100 Chesapeake	00100 Norton
00400 Clifton Forge	01800 Petersburg
01800 Colonial Heights	02000 Poquoson
00400 Covington	02100 Portsmouth
01300 Danville	00300 Radford
01200 Emporia	01900 Richmond
02300 Fairfax	01500 Roanoke
02300 Falls Church	01500 Salem
00800 Franklin	00900 South Boston
01000 Fredericksburg	00400 Staunton
00200 Galax	02100 Suffolk
02000 Hampton	02100 Virginia Beach
00500 Harrisonburg	00400 Waynesboro
01800 Hopewell	02000 Williamsburg
00400 Lexington	00600 Winchester
01400 Lynchburg	





VIRGINIA

5% PUMA Boundaries

Legend:

- Counties
- PUMA
- States

Scale: 0 50 100 Miles

PUMAs in Independent Cities:

01000 Alexandria	00900 Manassas
01400 Bedford	00900 Manassas Park
00200 Bristol	01600 Martinsville
00600 Buena Vista	03100 Newport News
01300 Charlottesville	02700 Norfolk
02500 Chesapeake	03200 Norton
00500 Clifton	02400 Petersburg
02400 Colonial Heights	03300 Poquoson
00500 Covington	02600 Portsmouth
01500 Danville	00300 Radford
02400 Emporia	02100 Richmond
01100 Fairfax	00400 Roanoke
01100 Falls Church	00400 Salem
02800 Franklin	01700 South Boston
02200 Fredericksburg	00600 Staunton
00200 Galax	02900 Suffolk
03000 Hampton	02900 Virginia Beach
00600 Harrisonburg	00600 Waynesboro
02400 Hopewell	03300 Williamsburg
00600 Lexington	00700 Winchester
01400 Lynchburg	

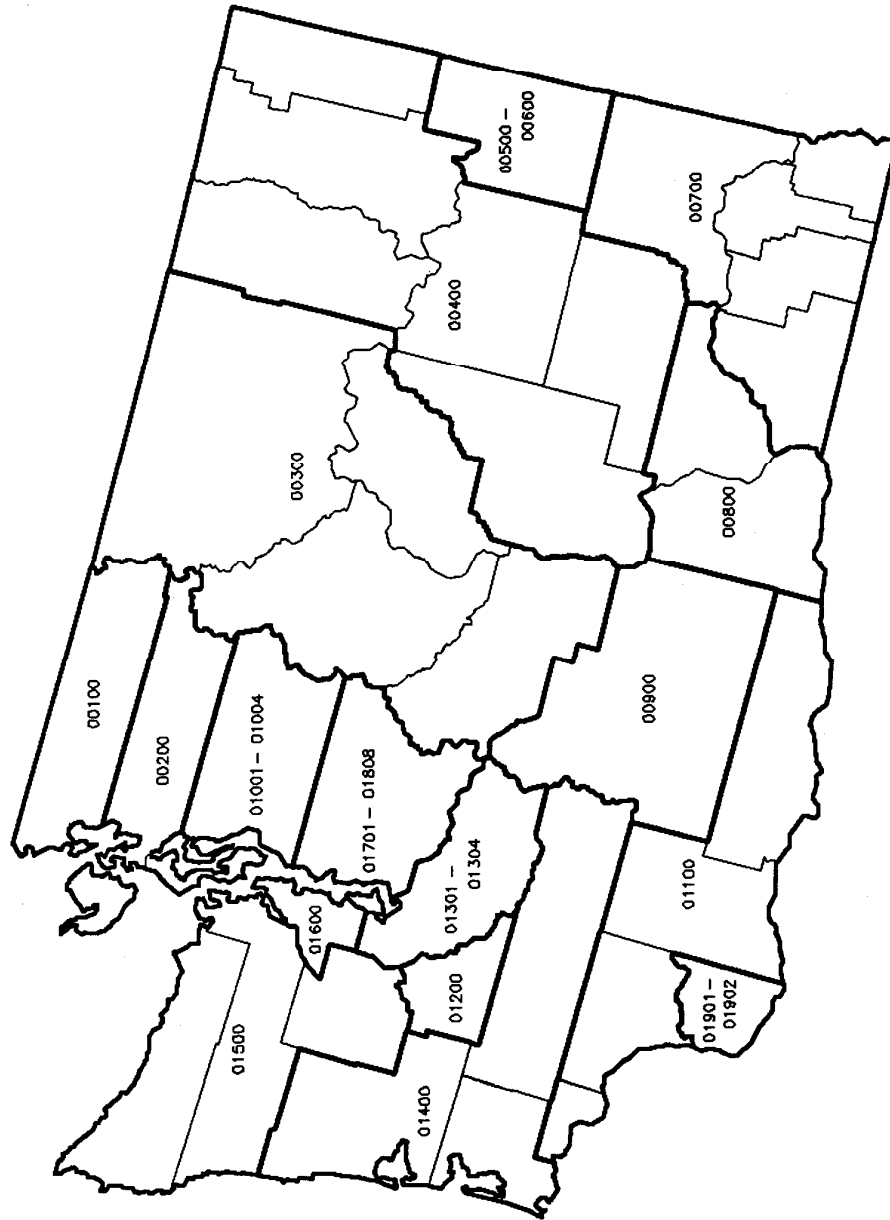
Counties
PUMA
States

01000 Alexandria	00900 Manassas
01400 Bedford	00900 Manassas Park
00200 Bristol	01600 Martinsville
00600 Buena Vista	03100 Newport News
01300 Charlottesville	02700 Norfolk
02500 Chesapeake	03200 Norton
00500 Clifton	02400 Petersburg
02400 Colonial Heights	03300 Poquoson
00500 Covington	02600 Portsmouth
01500 Danville	00300 Redford
02400 Emporia	02100 Richmond
01100 Fairfax	00400 Roanoke
01100 Falls Church	00400 Salem
02800 Franklin	01700 South Boston
02200 Fredericksburg	00600 Staunton
00200 Galax	02800 Suffolk
03000 Hampton	02900 Virginia Beach
00600 Harrisonburg	00600 Waynesboro
02400 Hopewell	03300 Williamsburg
00600 Lexington	00700 Winchester
01400 Lynchburg	

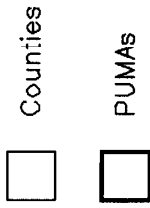
A horizontal scale bar with a black segment from 0 to 50 and a white segment from 50 to 100. The word "Miles" is written vertically to the left of the bar.



WASHINGTON 5% PUMA BOUNDARIES

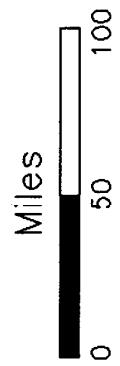


WASHINGTON 5% PUMA Boundaries



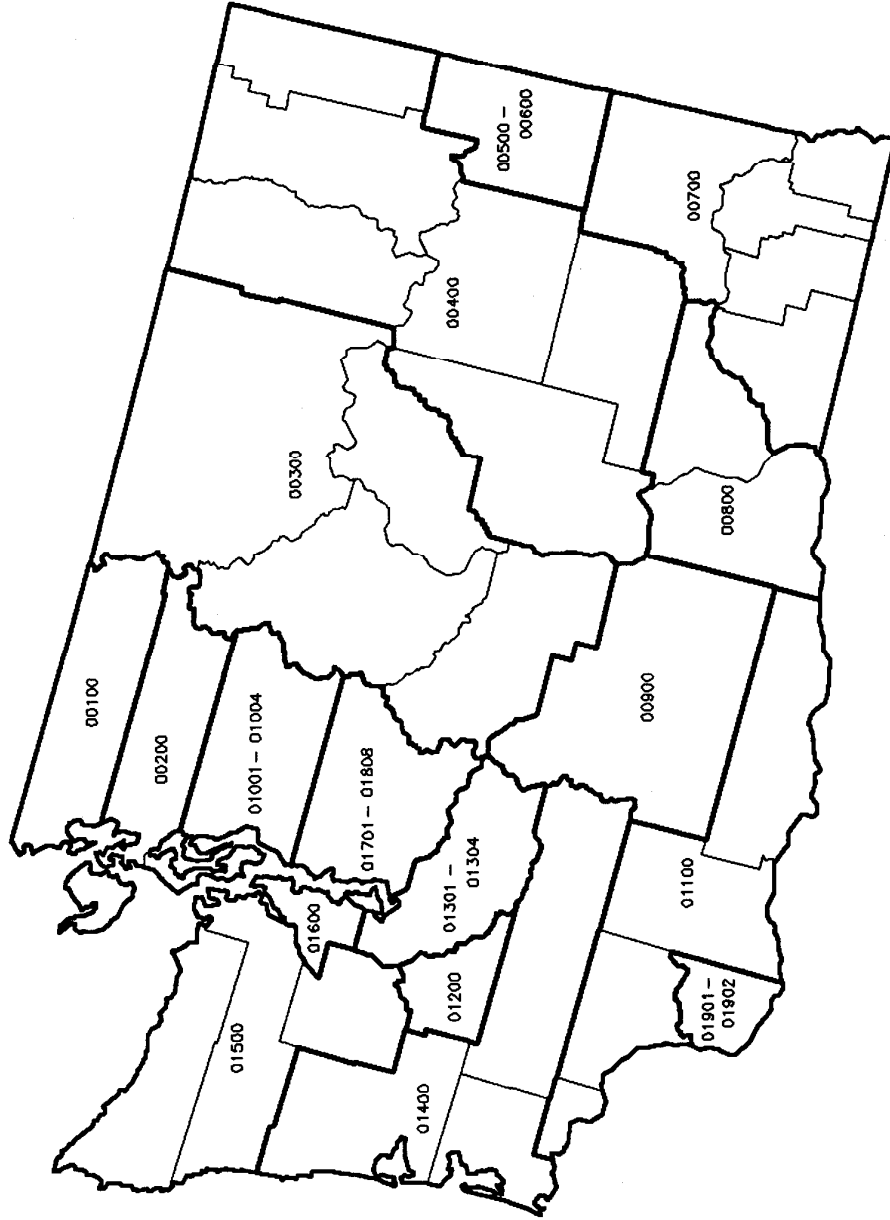
PUMAs in Selected Areas:

00500 Spokane city
00800 Balance of Spokane County
01701-01703 Seattle city
01801-01808 Balance of King County





WASHINGTON
1% PUMA BOUNDARIES

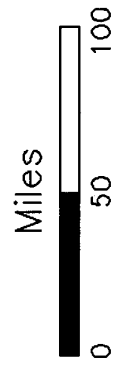


WASHINGTON 1% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

PUMAs in Selected Areas:

00500 Spokane city
00600 Balance of Spokane County
01701-01703 Seattle city
01801-01808 Balance of King County





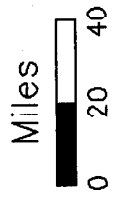
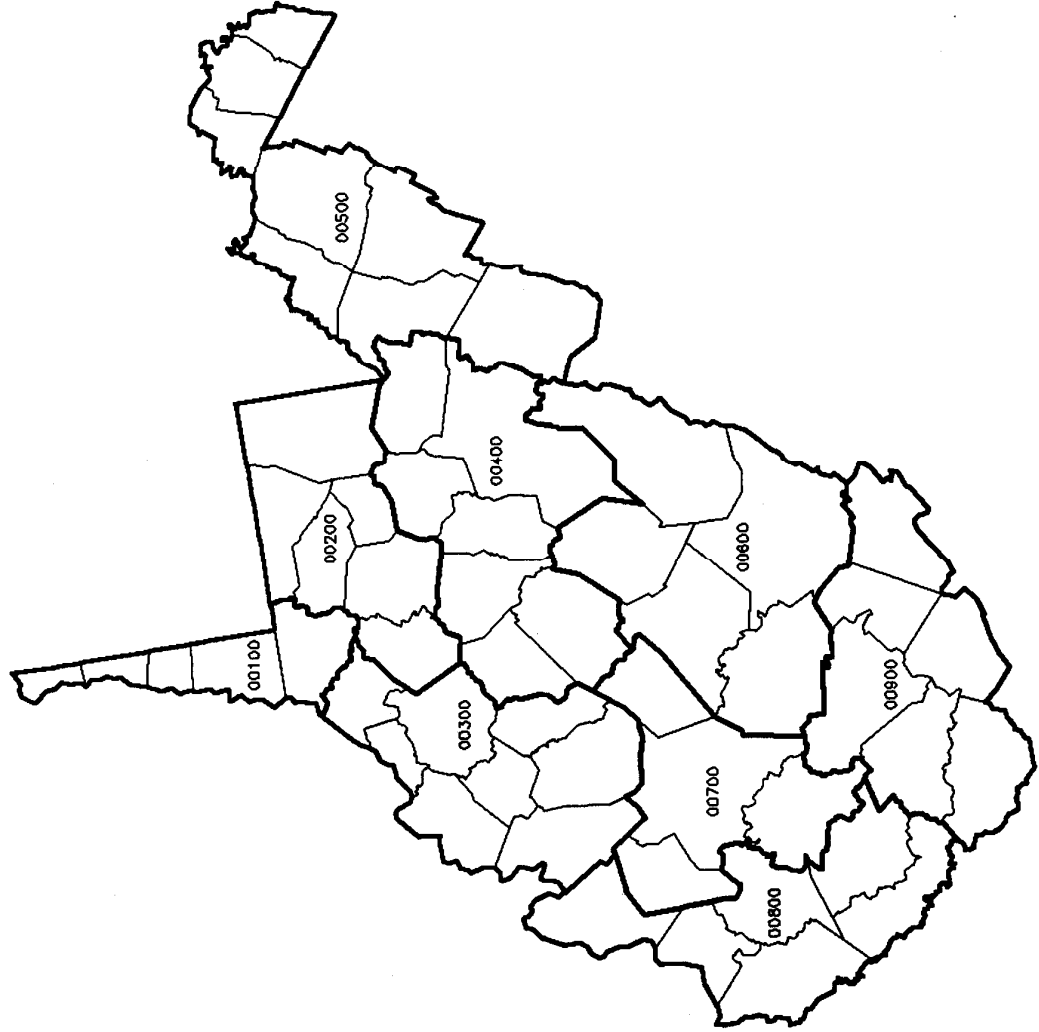
WEST VIRGINIA
5% PUMA BOUNDARIES

W. VIRGINIA 5% PUMA Boundaries

Counties



PUMAs





WEST VIRGINIA 1% PUMA BOUNDARIES

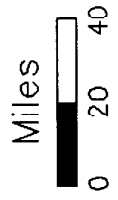


W. VIRGINIA 1% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

PUMAs crossing state lines:

98300	Cabell and Wayne counties (WV)
	Boyd, Carter, and Greenup counties (KY), Lawrence County (OH)
98500	Marshall and Ohio counties (WV)
	Belmont County (OH)
98900	Wood County (WV)
	Washington County (OH)
99100	Brooke and Hancock counties (WV)
	Jefferson County (OH)
99700	Mineral County (WV)
	Allegheny and Garrett counties (MD)





**WISCONSIN
5% PUMA BOUNDARIES**

WISCONSIN 5% PUMA Boundaries

Counties

PUMAs

PUMAs in:

Dane County

Milwaukee County

01600
01700
02201
02202
02203
02204
02205
02206

Miles

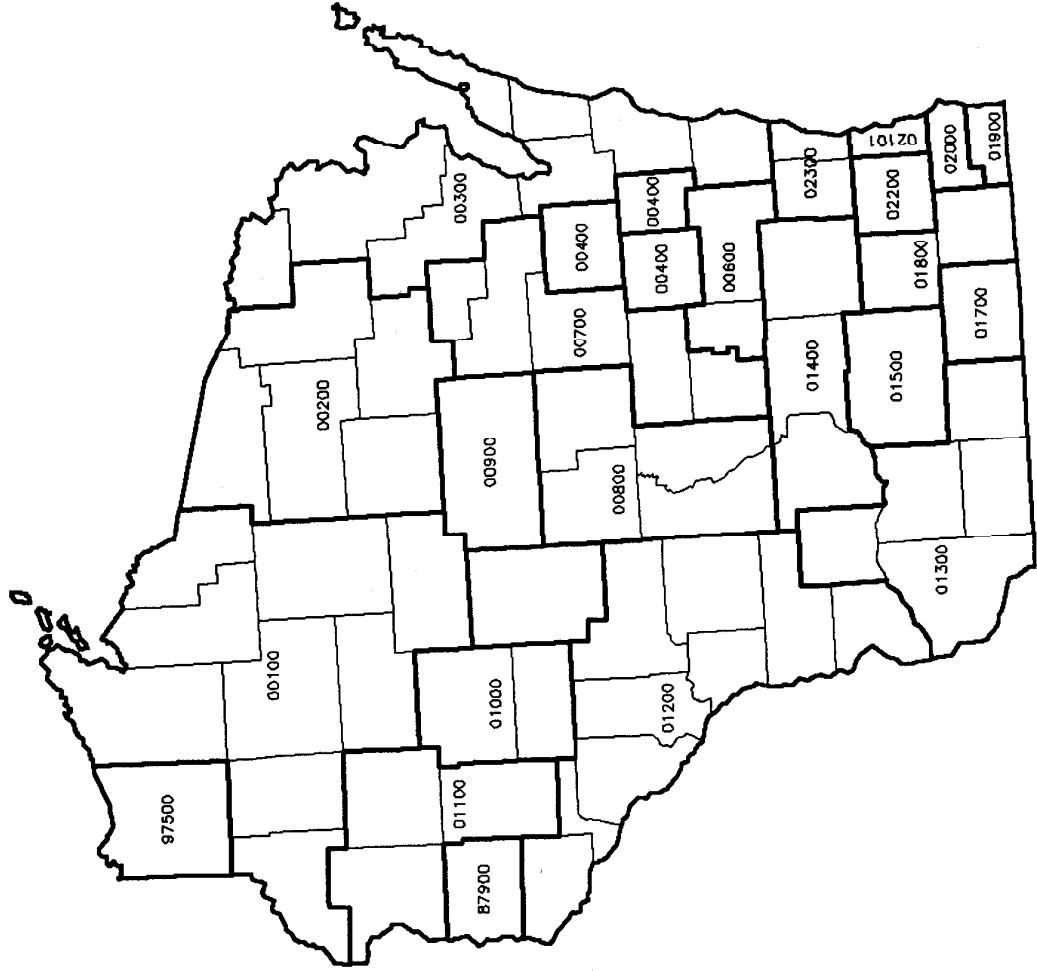
0 50 100

00100
00200
00300
00400
00500
00600
00700
00800
00900
01000
01100 (part)
01100 (part)
01200
01300
01400
01500
01600 - 01700
01800
01900
02000
02100
02201
02300
02400

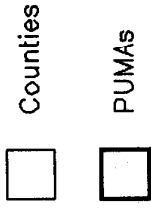
A horizontal scale bar with a black segment from 0 to 50 and a white segment from 50 to 100. The word "Miles" is written vertically to the left of the bar.



WISCONSIN 1% PUMA BOUNDARIES

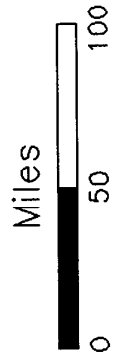


WISCONSIN 1% PUMA Boundaries



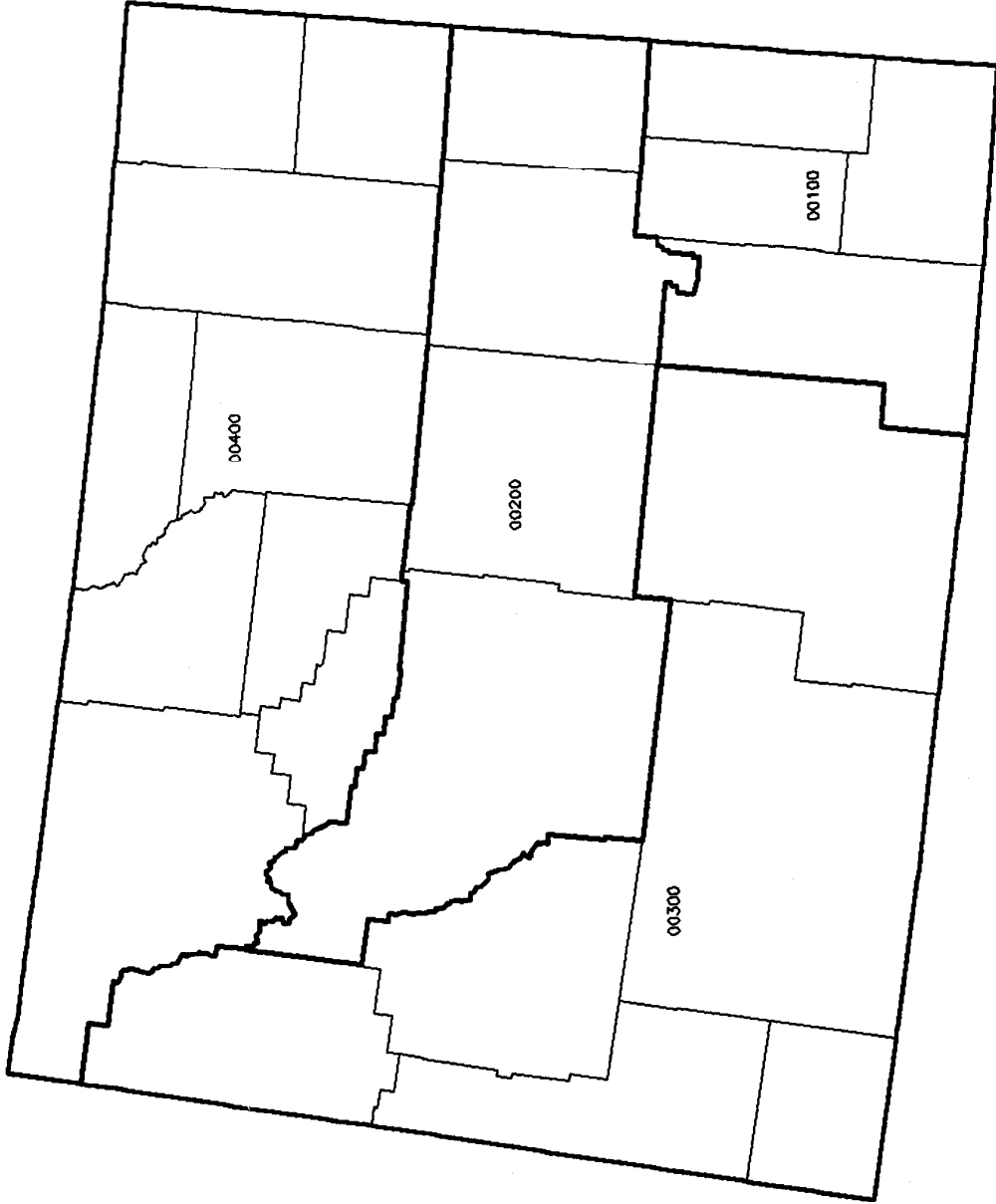
PUMAs in:

Calumet County	00400
Outagamie County	00500
Winnebago County	00400
Appleton city	00500
Oshkosh city	00400
Dane County	01500
Madison city	01600
Milwaukee County	01500
	02101 -
	02106





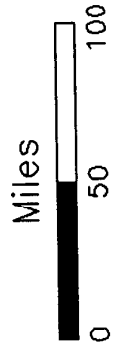
WYOMING 5% PUMA BOUNDARIES



WYOMING 5% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs
- ☐ States

PUMA	COUNTY
00100	Albany
	Goshute
	Laramie
	Platte
00200	Converse
	Fremont
	Natrona
	Niobrara
00300	Carbon
	Lincoln
	Sublette
	Sweetwater
	Teton
	Uinta
00400	Big Horn
	Campbell
	Crook
	Hot Springs
	Johnson
	Park
	Sheridan
	Washakie
	Weston





WYOMING 1% PUMA BOUNDARIES

WYOMING 1% PUMA Boundaries

- Counties
- PUMAs
- States

PUMA

00100

00200

00300

00400

COUNTY

Albany

Laramie

Carbon

Frederick

Natrona

Lincoln

Park

Sublette

Sweetwater

Teton

Uinta

Big Horn

Campbell

Converse

Crook

Goshute

Hot Springs

Johnson

Niobrara

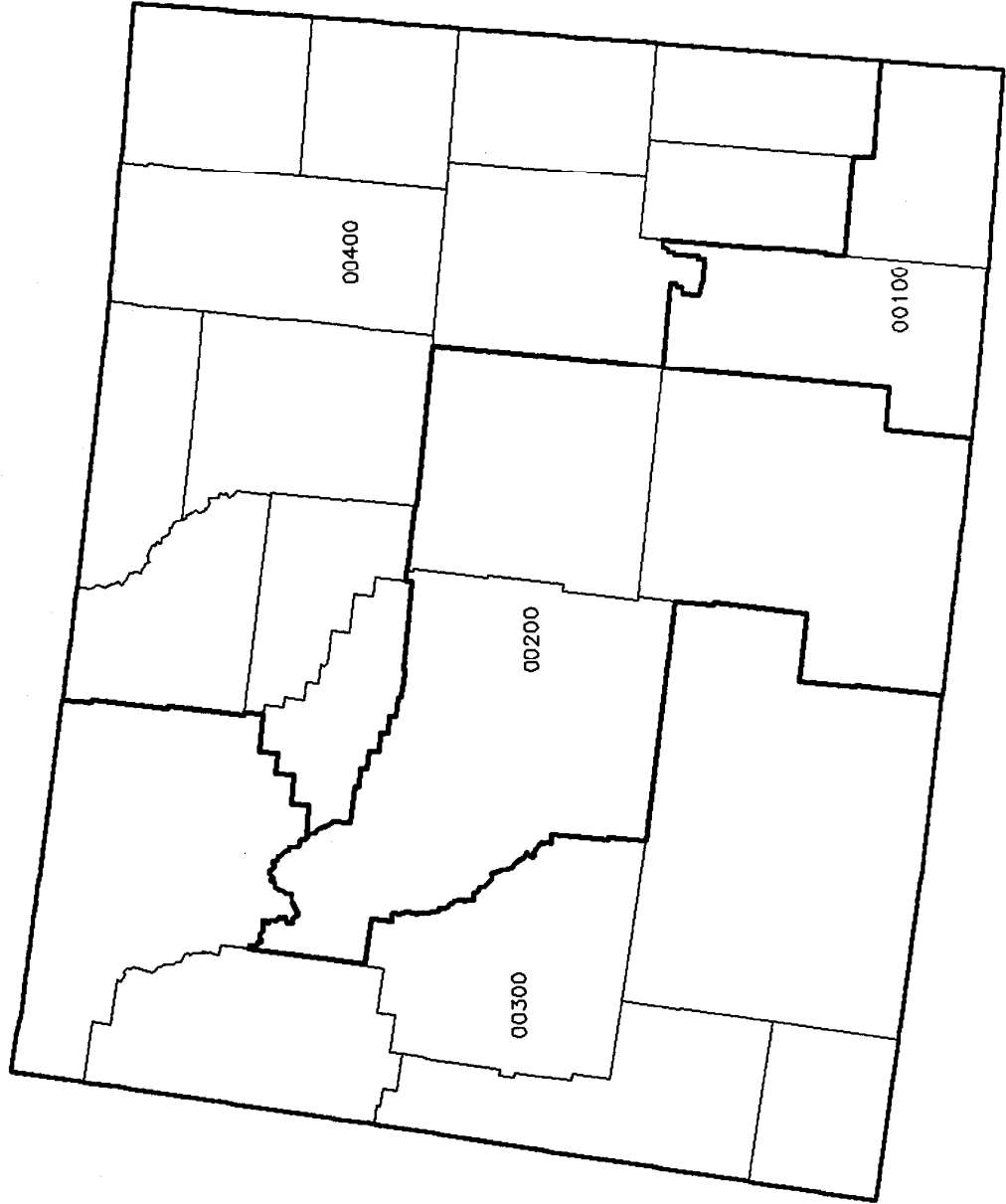
Platte

Sheridan

Washakie

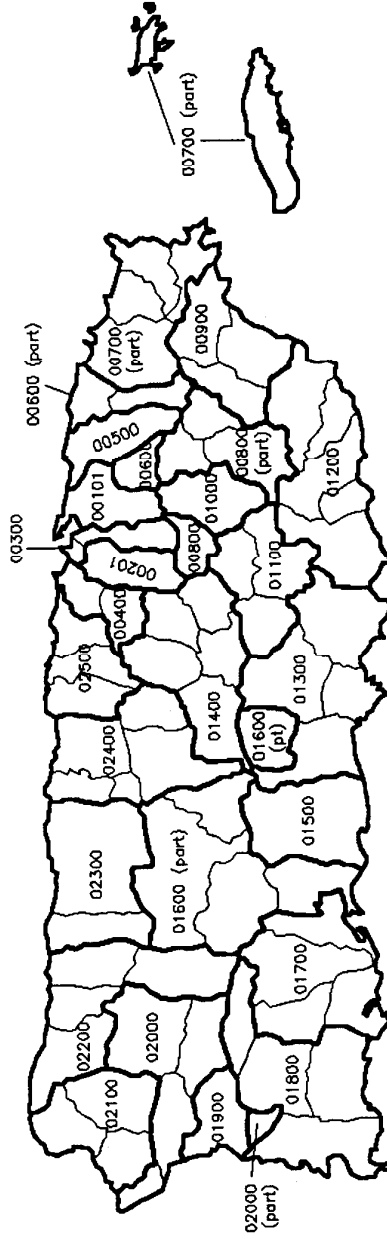
Weston

Miles





PUERTO RICO 5% PUMA BOUNDARIES

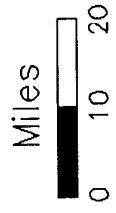


PUERTO RICO 5% PUMA Boundaries

- ☐ Counties
- ☐ PUMAs

PUMAs in:

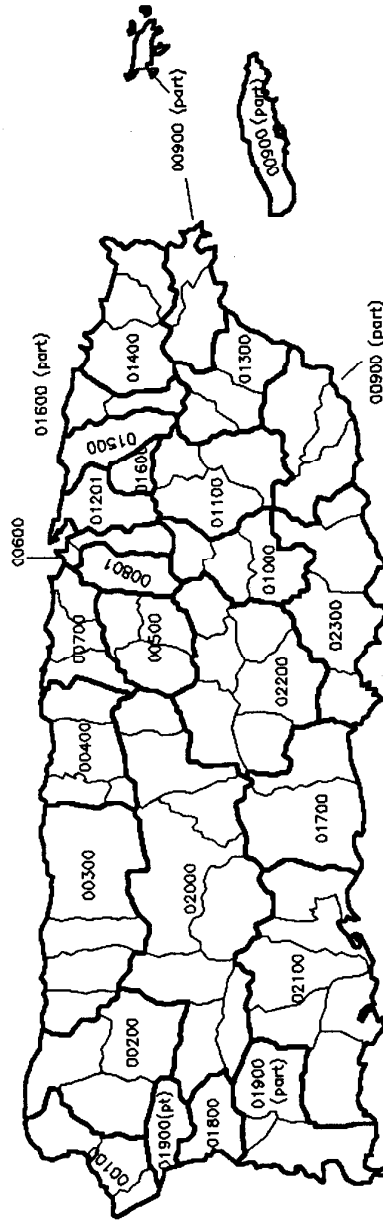
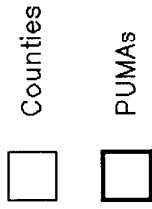
San Juan Municipio	00101
	00102
	00103
	00104
Bayamon Municipio	00201
	00202





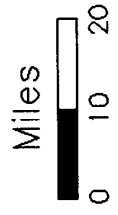
PUERTO RICO 1% PUMA BOUNDARIES

PUERTO RICO 1% PUMA Boundaries



PUMAs in:

Bayamon Municipio	00801
	00802
San Juan Municipio	01201
	01202
	01203
	01204





0101 1000
0101 1000

**CENSUS OF POPULATION AND HOUSING, 1990:
PUBLIC USE MICRODATA SAMPLES**

USER NOTE 2

Please add the following pages (C-7 - C-12) to Appendix C. Pages C-7 - C-8 describe how to make estimates when combining the various PUMS files: (eg. 5%, 1% and 3% files). Pages C-9 through C-12 provide control counts and state medians for the files.



Appendix C: Notes on Selected Data Items (continued)

P62-66 Migration PUMA (MIGPUMA)
and
P97-101 Place of Work PUMA (POWPUMA)

Unlike current residence, the PUMAs for migration and place-of-work data are defined only to the whole county, county equivalent, or place level for PUMS. Therefore, it is not possible to tabulate either migration or place of work to the "group of census tracts level".

P85, P86, Work Limitation Status (DISABL1), Work Prevented Status (DISABL2), Mobility Limitation Status (MOBILLIM), P87, and P88 Personal Care Limitation Status (PERSCARE)

The following categories of persons are included in the (N/A) category for the variables P85 thru P88:

- Under 16 years;
- In wards in general and military hospitals for patients who have no usual home elsewhere;
- In hospitals or wards for the chronically ill;
- In military stockades or jails;
- In crews of civilian vessels;
- In transient quarters for temporary residents;
- In military quarters on base;
- On military ships.

P183 Augmented Person

In rare instances during the implementation of the sample weighting process, the sample size was considered inadequate to make estimates of sample data. In collection block groups with a designated 1-in-2 sampling rate, augmentation was employed if the 100% housing unit count was at least 6 and the observed sampling rate was less than 1-in-12. In collection block groups with a designated 1-in-6 or 1-in-8 sampling rate, augmentation was employed if the 100% housing unit was at least 12 and the observed sampling rate was less than 1-in-30. Augmentation was performed separately for group quarters persons using the same criteria as for the 1-in-6 or 1-in-8 designated sampling rates. Augmentation was achieved by selecting a sample of housing units (or group quarters persons) to increase the observed sampling rates to at least 1-in-12 or 1-in-30. Using the 100% characteristics, the selected households (or group quarters persons) were matched by a hot deck procedure to similar housing units (or group quarters persons) with sample data. The sample data were then copied to the augmented housing units (or group quarters persons). The augmentation rate was very small. Most augmentation occurred for group quarters persons.

Allocation of . . .

See the discussion of allocation flags beginning on page 3-16.

For other data items

See appendix B. Many common derived variables are explained.

Comparing Estimates from PUMS to other census data

Users of the PUMS files should be aware that estimates derived from these files are subject to sampling variability as with statistics derived from any sample.

Sampling variability increases as the sample size decreases. Therefore, estimates derived from the full census sample are more reliable than the corresponding estimates from the PUMS data products. Estimates in standard sample data products, such as summary tape files (STF 3 and 4) and the reports from the characteristics of population and housing series (CPH-3, 4, and 5) are more adequate than the corresponding estimates from the PUMS files, particularly for rare populations and population subgroups.

The PUMS files are produced by processing the full census sample through a second sampling operation. Given the census sample, the PUMS estimates are unbiased. This means that the average value of the estimated characteristic over all possible PUMS samples would match the estimate from the full census sample. In general, the PUMS estimates are no more biased than the census sample estimates. Subsampling the census sample to produce the PUMS files increases the variance of the estimates derived from these data products. In general, the variance of an estimate derived from the 5-percent PUMS is about 4 times the variance of the same estimate derived from the full census sample. For the 1-percent PUMS, the variance increases by a factor of about 20.

As an example, consider the census sample and the 1-percent PUMS estimate for the characteristic Number of families with 1 worker for a given metropolitan area. The total number of families is 200,000.

Census sample estimate	- 69,124
PUMS estimate	- 73,570

Computing the variance of the estimates shows that the variance of the PUMS estimate is about 20 times that of the full census estimate. The standard error of an estimate is the square root of the variance. The variance of the full census estimate is the square root of the variance. The variance of the full census estimate is $(714)^2$, while the corresponding PUMS estimate has variance $\ast (2789)^2$. The figure in parenthesis is the standard error of the estimate. The user should refer to Chapter 3 - Accuracy of the Data - of the PUMS technical documentation for a detailed explanation on how to compute variance estimates. It is important to note that although the ratio of the variances is about 20, the coefficient of variation (CV) of the PUMS estimate is about 4.4 percent. The CV measures the reliability (or adequacy) of an estimate. A CV of less than 20 percent is considered adequate in most cases.

SHOULD THE ESTIMATES BE EQUAL? Is the difference between the estimate derived from the full census sample and that derived from the PUMS -- 4,446 families with 1 worker -- due to sampling?

Confidence intervals and hypothesis testing are used to answer the above questions. We want to address the question as to whether we should be concerned by the size of the difference between the two estimates.

If we add and subtract two standard errors from the PUMS estimate, we develop a 95-percent confidence interval. If the full census sample estimate falls in the interval, then it can be concluded that the difference is within sampling variability. In this case, the 95-percent confidence interval around the PUMS estimate is 67,132 to 80,008, which includes the census sample estimate, 69,124. This suggests that the difference should not be cause for concern.

Data users should be especially cautious in using estimates for rare populations or population subgroups since these estimates can be expected to vary widely from the figures derived from the full census sample.

Appendix C: Notes on Selected Data Items (continued)

Combining PUMS Files

Public Use Microdata Sample (PUMS) data users can combine the 1-percent and the 5-percent PUMS files and compute estimates based on a 6 percent sample. Estimates from a 6 percent sample are more reliable, however additional computations are required to produce estimates and standard error estimates. The user must decide whether the increase in reliability is enough to compensate for the additional computational work and cost to produce estimates from the 6 percent sample.

How to Compute Estimates from the 6 Percent Sample

The PUMS weight is a function of the census sample weight (see Chapter 3 of the PUMS Technical Documentation). The census sample weight is not included in either the housing or the person record of the PUMS files. Therefore, it is not possible to compute a new PUMS weight based on the 6 percent sample.

To compute estimates from the 6 percent sample (for a geographic area, say, Metropolitan Area estimates) we suggest the following method.

Notation

\hat{X}_1 - Estimate derived from the 1-percent sample.

\hat{X}_5 - Estimate derived from the 5-percent sample.

σ_1^2 - Variance estimate for \hat{X}_1 .

σ_5^2 - Variance estimate for \hat{X}_5 .

\hat{X}_c - Composite estimate derived from the 1-percent and 5-percent sample estimates.

The composite estimate is a function of the two sample estimates, that is, the 1-percent and 5-percent sample estimates and is defined as follows.

$$\hat{X}_c = (\hat{X}_1 + 5\hat{X}_5)/6$$

An approximation of the variance of \hat{X}_c is as follows.

$\text{var}(\hat{X}_c) \doteq [\sigma_1^2 + 25\sigma_5^2 - 10\hat{X}_c(1 - \hat{X}_c/N)]/36$; Where N is the size of the area. The square root of $\text{var}(\hat{X}_c)$ is the estimated standard error of \hat{X}_c .

Multiply the standard error estimate by the appropriate design factor from Table G in Chapter 3 of the PUMS Technical Documentation.

Appendix C: Notes on Selected Data Items (continued)

How to Compute Estimates from the 9 Percent Elderly Sample

Users can combine the elderly records from the 1-percent and 5-percent samples with the 3-percent Elderly sample to produce more reliable estimates for the elderly population. To get estimates and approximation of variances from the 9 percent sample, follow the approach discussed below. Let

Notation

\hat{X}_3 - Estimate derived from the 3-percent Elderly sample.

σ_3^2 - Variance estimate for \hat{X}_3 .

\hat{X}_E - Composite elderly estimate derived from the 1-percent, and 5-percent, and 3-percent Elderly estimates.

The composite and variance estimates are defined as follows.

$$\hat{X}_E = (\hat{X}_1 + 3\hat{X}_3 + 5\hat{X}_5)/9$$

$$\text{var}(\hat{X}_E) = [\sigma_1^2 + 9\sigma_3^2 + 25\sigma_5^2 - 46\hat{X}_E(1 - \hat{X}_E/N)]/81; \text{ where } N \text{ is the size of the area.}$$

Take the square root and multiply by the appropriate design factor to get an estimate of the standard error.

Each of the variance estimates is a function of the corresponding estimate, that is, σ_1^2 is a function of \hat{X}_1 , and so forth. The variance estimates are computed using the formulas provided at the bottom of Table A and B in Chapter 3 of the PUMS Technical Documentation.

For additional information concerning this estimation technique, contact Decennial Statistical Studies Division, Census Design Branch, Bureau of the Census, Washington, DC 20233.
Telephone: 301-763-1808.

**CENSUS OF POPULATION AND HOUSING, 1990:
PUBLIC USE MICRODATA SAMPLES**

USER NOTE 3

The following pages are replacement pages for various chapters in the technical documentation. These pages were corrected for typographical errors. Page numbers 5-2, 5-7, 5-15, 5-17, 5-18, 5-19, 5-20, 5-21, C-6, I-3, I-6, I-14, I-18, I-20, I-22 and I-28. Please add page I-i to Appendix I.



PUMS RECORD COUNTS, TOPCODED VARIABLES AND CORRESPONDING STATE MEDIANS FOR VALUES ABOVE TOPCODE
HOUSING RECORD (5%)

State Name	FIPS Code	Electcost	Gascost	Watrcost	Fuelcost	Rtaxamt	Insamt	Mortgag3	Mortam2	Condofee	Mobilehome	Rqrent	Rowncrst	Rflaminc	Top	Bottom	Rhhinc	Top	Bottom
TOPCODES		3100	2100	1000	1800	57	3100	2000	1000	535	3400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
AL	01	3598	2854	1216	2353	57	3817	2357	1130	600	3937	1550	4456	436281	-17500	436281	-17500	436281	-17500
AK	02	3594	2461	1212	2353	58	3100	2163	1260	410	3721	1751	3405	430079	-9126	430079	-9126	430079	-9126
AZ	04	3590	2685	1160	2820	58	3825	2476	1235	853	3755	1678	4908	583449	-19998	583449	-19998	583449	-19998
AR	05	3598	2910	1223	2450	57	3917	2452	1205	600	3400	1591	4285	486002	-19998	486002	-19998	486002	-19998
CA	06	3732	2770	1166	2406	58	3823	2471	1231	858	3969	1945	5286	782084	-19998	782084	-19998	782084	-19998
CO	08	3700	2728	1146	2338	58	3813	2418	1200	763	3574	1628	4816	472698	-27998	472698	-27998	472698	-27998
CT	09	3664	2473	1180	2198	58	3850	2536	1208	773	3920	1947	5158	579290	-19998	579290	-19998	579290	-19998
DE	10	3905	2456	1163	2300	57	3100	2428	1138	600	4025	1598	4149	431775	-9998	431775	-9998	431775	-9998
DC	11	3944	2500	1160	2350	58	3910	2505	1292	802	1000	1722	5050	498128	-9999	498128	-9999	498128	-9999
FL	12	3771	2622	1160	2446	58	3947	2530	1191	768	3985	1808	5104	688021	-18599	688021	-18599	688021	-18599
GA	13	3600	2764	1178	2438	58	3838	2452	1176	754	3940	1725	5034	552488	-18998	552488	-18998	552488	-18998
HI	15	4158	2850	1164	1700	58	3900	2362	1202	781	400	1684	4181	546073	-9998	546073	-9998	546073	-9998
ID	16	3625	2904	1282	2500	58	3100	2483	1433	468	3400	1425	4570	433856	-9199	433856	-9199	433856	-9199
IL	17	3638	2625	1160	2370	58	3920	2437	1171	778	3963	1765	4836	688555	-21840	688555	-21840	688555	-21840
IN	18	3638	2474	1183	2179	58	3921	2423	1164	600	3947	1649	4754	538828	-19798	538828	-19798	538828	-19798
IA	19	3598	2682	1170	2178	58	4000	2342	1230	600	3400	1772	4811	433348	-19997	433348	-19997	433348	-19997
KS	20	3592	2808	1159	2340	58	3950	2364	1175	600	3975	1563	4834	437881	-12894	437881	-12894	437881	-12894
KY	21	3788	2544	1178	2371	58	3575	2382	1160	600	3994	2073	4762	544751	-19800	544751	-19800	544751	-19800
LA	22	3582	2629	1168	2250	58	3910	2449	1218	788	4011	1625	4758	506454	-9999	506454	-9999	506454	-9999
ME	23	3781	2463	1160	2184	58	3100	2370	1178	600	4122	1574	4449	398570	-19998	398570	-19998	398570	-19998
MD	24	3690	2511	1156	2303	58	3907	2439	1178	749	3956	1808	4864	778736	-19021	778736	-19021	778736	-19021
MA	25	3790	2459	1142	2147	58	3839	2425	1171	827	3536	1911	4907	676258	-19998	676258	-19998	676258	-19998
MI	26	3728	2482	1157	2214	58	3908	2397	1173	771	3914	1818	4872	822503	-21597	822503	-21597	822503	-21597
MN	27	3598	2554	1169	2173	58	3831	2363	1182	800	3650	1880	4841	505757	-21697	505757	-21697	505757	-21697
MO	28	3630	2614	1187	2250	58	3967	2447	1112	500	3980	1758	4428	592127	-13499	592127	-13499	592127	-13499
MS	29	3594	2550	1171	2280	58	3100	2575	1182	719	3955	1822	4848	633372	-19998	633372	-19998	633372	-19998
MT	30	3598	2678	1316	2381	58	3100	2545	1182	310	3400	1375	3998	479834	-17999	479834	-17999	479834	-17999
NE	31	3598	2658	1166	2417	58	3100	2344	1158	600	3400	1557	4188	514328	-19998	514328	-19998	514328	-19998
NV	32	3598	2750	1179	2372	58	3100	2545	1182	600	3765	1698	4767	508893	-10000	508893	-10000	508893	-10000
NH	33	3591	2458	1157	2146	58	3950	2284	1182	600	3908	1583	4191	351510	-9999	351510	-9999	351510	-9999
NJ	34	3900	2459	1157	2318	58	3916	2441	1172	779	3719	1822	4900	815463	-14598	815463	-14598	815463	-14598
NM	35	3822	2824	1167	2344	57	3100	2447	1244	600	3928	1812	4189	482359	-11799	482359	-11799	482359	-11799
NY	36	3792	2500	1161	2327	58	3938	2495	1209	800	3738	2065	5312	733640	-17997	733640	-17997	733640	-17997
NC	37	3597	2766	1195	2382	58	3963	2376	1155	820	3980	1613	4605	740470	-19998	740470	-19998	740470	-19998
ND	38	3574	2498	1188	2317	58	3100	2100	1000	361	3400	1548	3191	451015	-19998	451015	-19998	451015	-19998
OH	39	3595	2492	1166	2208	58	3908	2430	1139	746	3885	1697	4711	675762	-18534	675762	-18534	675762	-18534
OK	40	3592	2817	1186	2413	58	3990	2425	1161	600	3955	1697	4430	604390	-17999	604390	-17999	604390	-17999
OR	41	3946	2917	1190	2339	58	3954	2391	1174	888	3785	1605	4591	647540	-14599	647540	-14599	647540	-14599
PA	42	3598	2475	1164	2190	58	3923	2407	1167	767	3838	1501	4151	636456	-9999	636456	-9999	636456	-9999
RI	44	3904	2464	1161	2109	58	3850	2427	1144	600	3400	1680	4880	470311	-9999	470311	-9999	470311	-9999
SC	45	3597	2763	1190	2378	58	3958	2363	1131	600	4125	1598	4496	699178	-9999	699178	-9999	699178	-9999
SD	46	3596	2469	1174	2433	58	3100	2393	1000	600	3400	1623	3363	357142	-9999	357142	-9999	357142	-9999
TN	47	3900	2650	1182	2390	58	3938	2397	1160	755	3985	1600	4760	519890	-19998	519890	-19998	519890	-19998
TX	48	3598	2974	1158	2380	58	3780	2480	1249	805	3978	1638	5032	654472	-19998	654472	-19998	654472	-19998
UT	49	3592	2850	1178	2617	58	3100	2319	1116	600	3733	1699	4012	470278	-9999	470278	-9999	470278	-9999
VT	50	3957	2490	1173	2134	58	3950	2404	1183	440	3400	1713	3946	352407	-8499	352407	-8499	352407	-8499
VA	51	3599	2544	1158	2301	58	3907	2404	1185	772	3932	1837	4768	626959	-9999	626959	-9999	626959	-9999
WA	53	3622	2903	1157	2312	58	3950	2420	1181	810	3902	1780	4815	629658	-22998	629658	-22998	629658	-22998
WV	54	3901	2495	1178	2305	54	3100	2339	1192	600	3988	1767	3881	465242	-9999	465242	-9999	465242	-9999
WI	55	3711	2495	1161	2272	58	3694	2417	1175	600	3900	1605	4505	473074	-19997	473074	-19997	473074	-19997
WY	56	3598	2750	1183	2425	58	3100	2687	1000	600	3400	1350	3632	337698	-5117	337698	-5117	337698	-5117

PUMS RECORD COUNTS, TOPCODED VARIABLES AND CORRESPONDING STATE MEDIANS FOR VALUES ABOVE TOPCODE
PERSON RECORD (5%)

State Name	FIPS Code	Rearming	Top	Bottom	Rplincome	Top	Bottom	Income1	Top	Bottom	Income2	Top	Bottom	Income3	Top	Bottom	Income4	Top	Bottom	Income5	Top	Bottom	Income6	Top	Bottom	Income7	Top	Bottom	Income8
AL	01	321135	-17623	N/A	N/A	377169	-9999	196823	124512	9000	-9999	82750	-9999	-9999	54000	-9999	4000	-9999	-9999	17000	10000	30000	10000	30000	20000	20000	30000	30000	20000
AK	02	338480	-9999	-9999	338480	-9999	-9999	183750	119730	-9999	-9999	54000	-9999	-9999	54000	-9999	55679	-9999	-9999	24422	15240	37196	15240	37196	29500	29500	37196	29500	
AZ	04	342054	-10000	-10000	380012	-9999	-9999	194483	123333	-9999	-9999	54000	-9999	-9999	54000	-9999	55196	-9999	-9999	23088	15719	38013	15719	38013	27478	27478	38013	27478	
AR	05	313553	-9999	-9999	374837	-9999	-9999	194917	118636	-9999	-9999	73608	-9999	-9999	54000	-9999	54084	-9999	-9999	22638	15439	37701	15439	37701	26901	26901	37701	26901	
CA	06	408608	-19996	-19996	488539	-19998	-19998	195516	123515	-9999	-9999	90805	-9999	-9999	54000	-9999	58603	-9999	-9999	23080	15189	37731	15189	37731	28641	28641	37731	28641	
CO	08	400369	-19996	-19996	457324	-19998	-19998	186333	121400	-9999	-9999	92636	-9999	-9999	54000	-9999	58955	-9999	-9999	22780	15789	37925	15789	37925	27600	27600	37925	27600	
CT	09	325211	-9999	-9999	433071	-9999	-9999	197111	128100	-9999	-9999	69500	-9999	-9999	54000	-9999	58968	-9999	-9999	22667	15398	38682	15398	38682	26527	26527	38682	26527	
DE	10	317875	-9999	-9999	374186	-9999	-9999	191000	126875	-9999	-9999	54000	-9999	-9999	54000	-9999	56311	-9999	-9999	22753	15714	37408	15714	37408	28077	28077	37408	28077	
DC	11	369177	-9999	-9999	436128	-9999	-9999	197827	171250	-9999	-9999	54000	-9999	-9999	54000	-9999	66951	-9999	-9999	23359	15588	38782	15588	38782	26960	26960	38782	26960	
FL	12	325012	-19996	-19996	382321	-19998	-19998	195535	128477	-9999	-9999	80000	-9999	-9999	54000	-9999	58308	-9999	-9999	23418	15739	38346	15739	38346	27728	27728	38346	27728	
GA	13	320703	-13998	-13998	385228	-13998	-13998	192244	127159	-9999	-9999	77600	-9999	-9999	54000	-9999	57194	-9999	-9999	23306	15374	37428	15374	37428	27443	27443	37428	27443	
HI	15	322157	-19996	-19996	408091	-19998	-19998	194216	127941	-9999	-9999	54000	-9999	-9999	54000	-9999	55934	-9999	-9999	23377	15374	37428	15374	37428	27443	27443	37428	27443	
ID	16	322632	-11599	-11599	378394	-13999	-13999	196167	126765	-9999	-9999	82429	-9999	-9999	54000	-9999	55482	-9999	-9999	22673	16012	37445	16012	37445	26972	26972	37445	26972	
IL	17	398228	-19996	-19996	429650	-19998	-19998	195359	128369	-9999	-9999	73500	-9999	-9999	54000	-9999	55722	-9999	-9999	22756	15343	37754	15343	37754	28080	28080	37754	28080	
IN	18	334460	-13998	-13998	402774	-13998	-13998	197869	126591	-9999	-9999	76679	-9999	-9999	54000	-9999	55450	-9999	-9999	22884	15508	37407	15508	37407	27236	27236	37407	27236	
IA	19	305378	-19996	-19996	356688	-19998	-19998	190174	115204	-9999	-9999	74548	-9999	-9999	54000	-9999	51310	-9999	-9999	22887	15598	37553	15598	37553	27360	27360	37553	27360	
KS	20	320606	-18000	-18000	377181	-18000	-18000	190869	119607	-9999	-9999	75548	-9999	-9999	54000	-9999	53755	-9999	-9999	22714	15875	37530	15875	37530	27515	27515	37530	27515	
KY	21	322763	-9999	-9999	397575	-9999	-9999	194275	128468	-9999	-9999	79000	-9999	-9999	54000	-9999	58479	-9999	-9999	22613	15625	37304	15625	37304	27352	27352	37304	27352	
LA	22	406151	-19996	-19996	467957	-19998	-19998	194587	129528	-9999	-9999	82036	-9999	-9999	54000	-9999	59040	-9999	-9999	22898	15443	37920	15443	37920	27708	27708	37920	27708	
ME	23	310770	-14999	-14999	314870	-19998	-19998	190125	120645	-9999	-9999	79625	-9999	-9999	54000	-9999	54445	-9999	-9999	23068	15257	37927	15257	37927	26869	26869	37927	26869	
MD	24	330318	-19996	-19996	387997	-19998	-19998	194509	135909	-9999	-9999	89909	-9999	-9999	54000	-9999	57379	-9999	-9999	22871	16008	38243	16008	38243	28305	28305	38243	28305	
MA	25	324628	-11999	-11999	381127	-19998	-19998	191510	123119	-9999	-9999	71222	-9999	-9999	54000	-9999	59498	-9999	-9999	22788	15373	38050	15373	38050	27678	27678	38050	27678	
MI	26	313499	-19996	-19996	378887	-19998	-19998	194573	118626	-9999	-9999	80711	-9999	-9999	54000	-9999	55388	-9999	-9999	22779	15368	37565	15368	37565	27479	27479	37565	27479	
MN	27	309173	-19996	-19996	362465	-19998	-19998	186117	120556	-9999	-9999	74036	-9999	-9999	54000	-9999	55812	-9999	-9999	22780	15464	37825	15464	37825	27408	27408	37825	27408	
MS	28	319809	-11999	-11999	374865	-10949	-10949	194909	125000	-9999	-9999	73800	-9999	-9999	54000	-9999	54956	-9999	-9999	22759	15427	37758	15427	37758	26833	26833	37758	26833	
MO	29	316896	-19996	-19996	373995	-19998	-19998	195297	121389	-9999	-9999	74244	-9999	-9999	54000	-9999	57209	-9999	-9999	22772	15688	37678	15688	37678	27681	27681	37678	27681	
MT	30	305491	-9999	-9999	315496	-11988	-11988	191687	113624	-9999	-9999	81794	-9999	-9999	54000	-9999	49623	-9999	-9999	22693	15722	37256	15722	37256	26953	26953	37256	26953	
NE	31	325594	-19996	-19996	377665	-19998	-19998	196037	126111	-9999	-9999	77974	-9999	-9999	54000	-9999	52081	-9999	-9999	22503	15636	37905	15636	37905	28034	28034	37905	28034	
NV	32	355382	-19175	-19175	386382	-9999	-9999	194911	121471	-9999	-9999	81500	-9999	-9999	54000	-9999	59535	-9999	-9999	22772	15350	37079	15350	37079	26352	26352	37079	26352	
NH	33	297255	-9999	-9999	317255	-9999	-9999	178125	119130	-9999	-9999	54000	-9999	-9999	54000	-9999	54573	-9999	-9999	22779	15577	38208	15577	38208	27252	27252	38208	27252	
NJ	34	347516	-9999	-9999	440736	-18927	-18927	195487	127029	-9999	-9999	71857	-9999	-9999	54000	-9999	56993	-9999	-9999	22912	15443	38315	15443	38315	28425	28425	38315	28425	
NM	35	313545	-9999	-9999	383552	-11789	-11789	193980	118555	-9999	-9999	77687	-9999	-9999	54000	-9999	54407	-9999	-9999	22839	15482	37569	15482	37569	27288	27288	37569	27288	
NY	36	411070	-17008	-17008	444768	-11969	-11969	195675	131445	-9999	-9999	83750	-9999	-9999	54000	-9999	57234	-9999	-9999	22775	15439	37439	15439	37439	28085	28085	37439	28085	
NC	37	387594	-19996	-19996	417594	-11000	-11000	192591	118803	-9999	-9999	75190	-9999	-9999	54000	-9999	57841	-9999	-9999	23170	15774	38055	15774	38055	27485	27485	38055	27485	
ND	38	311786	-19996	-19996	361329	-19998	-19998	194286	117500	-9999	-9999	75136	-9999	-9999	54000	-9999	49543	-9999	-9999	22417	15697	36436	15697	36436	26282	26282	36436	26282	
OH	39	337881	-19996	-19996	397220	-19998	-19998	194658	122923	-9999	-9999	83200	-9999	-9999	54000	-9999	59640	-9999	-9999	22989	15452	37678	15452	37678	27787	27787	37678	27787	
OK	40	315443	-19996	-19996	352725	-17989	-17989	191928	121515	-9999	-9999	81000	-9999	-9999	54000	-9999	55750	-9999	-9999	22985	15566	37282	15566	37282	27257	27257	37282	27257	
OR	41	308903	-9999	-9999	352371	-17114	-17114	192159	116744	-9999	-9999	82784	-9999	-9999	54000	-9999	55404	-9999	-9999	22839	15752	37373	15752	37373	27519	27519	37373	27519	
PA	42	323519	-9999	-9999	404675	-9999	-9999	194742	128077	-9999	-9999	80552	-9999	-9999	54000	-9999	57008	-9999	-9999	22764	15638	38227	15638	38227	27735	27735	38227	27735	
RI	44	308004	-9999	-9999	328404	-9999	-9999	190556	119348	-9999	-9999	54000	-9999	-9999	54000	-9999	54125	-9999	-9999	22714	15407	37173	15407	37173	27500	27500	37173	27500	
SC	45	364411	-9999	-9999	426401	-9999	-9999	192625	121786	-9999	-9999	80000	-9999	-9999	54000	-9999	59070	-9999	-9999	23037	15646	38534	15646	38534	27863	27863	38534	27863	
SD	46	254571	-19996	-19996	256661	-19998	-19998	178571	115714	-9999	-9999	79817	-9999	-9999	54000	-9999	49414	-9999	-9999	22880	15694	37424	15694	37424	27263	27263	37424	27263	
TN	47	317378	-13999	-13999	375223	-11969	-11969	192312	125068	-9999	-9999	7900																	

PUMS RECORD COUNTS, TOPCODED VARIABLES AND CORRESPONDING STATE MEDIANS FOR VALUES ABOVE TOPCODE
HOUSING RECORD (1%)

State	FIPS	Elcscost	Gascost	Watrcost	Fuelcost	Rtaxamt	Instant	Mortgage3	Mortgage2	Condofee	Moblihome	Rqrent	Rowncrst	Flaminc	Rhinc
Name	Code	3100	2100	1000	1900	1900	57	3100	2000	1000	535	3400	N/A	Top	Bottom
TOPCODES															
AL	01	3598	2954	1216	2621	57	3617	2387	1130	600	3637	1520	3974	403246	-8413
AK	02	3594	2491	1212	2353	56	2271	2183	1280	275	3721	1734	3356	306728	-18252
AZ	04	3580	2885	1160	2820	58	3825	2478	1235	853	3755	1598	4418	471583	-19998
AR	05	3589	2910	1223	2450	57	3000	2492	1235	600	3400	1250	3536	452768	-11852
CA	06	3732	2770	1166	2406	58	3923	2471	1231	858	3688	1853	5065	648238	-19998
CO	08	3700	2728	1146	2338	58	3000	2418	1200	763	3574	1588	5139	432286	-9999
CT	09	3684	2473	1160	2198	58	3850	2536	1208	773	3820	1697	4908	578290	-17698
DE	10	3625	2456	1163	2300	57	2000	2428	1136	153	4025	1250	2733	255000	0
DC	11	3944	2500	1180	2350	58	3910	2505	1232	802	0	1805	4551	388483	-3999
FL	12	3771	2622	1180	2446	58	3838	2530	1191	768	3685	1861	4777	634610	-9999
GA	13	3600	2764	1176	2438	58	3938	2452	1176	754	3940	1878	4727	398857	-4010
HI	15	4158	2850	1164	975	58	3800	2382	1202	781	260	1500	4791	455791	-9999
ID	16	3625	2804	1282	2500	58	2400	2483	1433	162	3400	1417	3187	357832	-9998
IL	17	3638	2825	1160	2370	58	3920	2437	1171	778	3863	1785	5012	520087	-19998
IN	18	3636	2474	1183	2178	58	3921	2423	1184	574	3947	1574	3797	363883	-17052
IA	19	3598	2662	1170	2178	58	4000	2342	1230	600	2888	1600	4463	360254	-10533
KS	20	3592	2806	1159	2340	58	3000	2384	1175	424	3875	1888	3531	495298	-9999
KY	21	3788	2544	1176	2371	58	3575	2382	1180	538	3984	1657	3356	397610	-19998
LA	22	3582	2929	1168	2250	58	3910	2449	1218	788	4011	1567	4485	387174	-9999
ME	23	3781	2483	1180	2184	58	3000	2370	1178	350	4122	1250	4052	327838	-18397
MD	24	3690	2511	1156	2303	58	3907	2439	1178	749	3858	1642	4696	601207	-8000
MA	25	3790	2459	1142	2147	58	3839	2425	1171	827	3538	1878	4598	414829	-18797
MI	26	3729	2482	1157	2214	58	3909	2397	1173	771	3614	1688	4658	523499	-11998
MN	27	3599	2554	1169	2173	58	3931	2383	1182	800	3650	1633	4483	490297	-19998
MS	28	3630	2814	1187	2250	58	3967	2447	1112	207	3880	1369	4457	320709	-19998
MO	29	3594	2550	1171	2280	58	3487	2427	1203	719	3955	1470	4402	543838	-7999
MT	30	3588	2578	1316	2381	58	3100	2575	750	540	3400	1542	3178	247301	-8346
NE	31	3598	2656	1166	2417	58	2500	2344	1158	600	3400	1271	3200	332198	-14000
NV	32	3658	2750	1179	2372	58	3100	2545	1192	820	3785	1557	3802	341382	-1171
NH	33	3591	2458	1157	2146	58	3950	2284	1182	224	3908	1728	4361	465398	-9999
NJ	34	3800	2459	1157	2318	58	3916	2441	1172	779	3719	1801	4860	925666	-5997
NM	35	3822	2824	1187	2344	57	3100	2447	1244	265	3928	1443	3244	283387	-2005
NY	36	3782	2500	1161	2327	58	3838	2485	1209	800	3738	1944	4915	558195	-10638
NC	37	3587	2798	1195	2362	58	3963	2376	1135	820	3980	1750	4313	385644	-9999
ND	38	3574	2498	1188	2317	58	1500	2100	1000	125	2700	1104	3090	353786	-7750
OH	39	3595	2492	1166	2208	58	3808	2400	1139	748	3885	1716	4482	452558	-9900
OK	40	3582	2917	1186	2413	58	3850	2425	1181	800	3955	1609	3822	342883	-16950
OR	41	3946	2917	1190	2339	58	3954	2391	1174	888	3785	1824	4123	424318	-11998
PA	42	3586	2475	1164	2190	58	3923	2407	1157	767	3838	1883	4503	602244	-9847
RI	44	3904	2484	1181	2109	58	3850	2427	1144	600	3400	1551	4383	304473	-2005
SC	45	3597	2763	1190	2378	58	3558	2383	1131	600	4125	1583	4382	388411	-19998
SD	46	3586	2488	1174	2433	58	3100	2390	1000	755	3048	1041	3498	280571	-9999
TN	47	3600	2650	1182	2380	58	3638	2387	1190	160	3885	1733	4360	408378	-19998
TX	48	3589	2974	1158	2380	58	3780	2480	1249	805	3978	1746	4834	508372	-19998
UT	49	3582	2850	1178	2617	58	3100	2319	1116	800	3733	1717	4214	382314	-9999
VT	50	3957	2490	1173	2134	58	3950	2433	1183	285	3314	1463	3500	248107	-16000
VA	51	3589	2544	1158	2301	58	3807	2404	1135	772	3832	1737	4378	473171	-19998
WA	53	3622	2903	1157	2312	58	3950	2329	1131	810	3988	1625	4309	423347	-9999
WV	54	3901	2428	1178	2305	42	2500	2339	1132	160	3988	1420	2849	318554	0
WI	55	3711	2485	1161	2272	58	3684	2417	1175	600	3900	1834	4501	416014	-19998
WY	56	3598	2750	1183	2425	44	3100	2687	1000	119	3400	1151	3288	380000	-2005
99	99	3100	2100	1000	1900	57	3100	2000	1000	535	3400				

PUMS RECORD COUNTS, TOPCODED VARIABLES AND CORRESPONDING STATE MEDIANS FOR VALUES ABOVE TOPCODE
PERSON RECORD (1%)

State Name	FIPS Code	Residing	Top	Bottom	RplIncome	Top	Bottom	Income1	Top	Bottom	Income2	Top	Bottom	Income3	Top	Bottom	Income4	Top	Bottom	Income5	Top	Bottom	Income6	Top	Bottom	Income7	Top	Bottom	Income8
AL	01	321135	N/A	-9999	N/A	356135	-9999	140000	90000	-9999	54000	82750	-9999	54000	82750	-9999	40000	50004	-9999	17000	10000	10000	30000	30000	20000	20000	27484		
AK	02	303480	-9999	-9999	305603	-9128	183750	119730	-9999	-9999	36000	55579	-9999	36000	55579	-9999	24422	15240	-9999	23066	15719	15719	38013	38013	27478				
AZ	04	415387	-10049	-9999	471853	-9999	194483	118636	-9999	-9999	87571	-9999	-9999	87571	-9999	58186	58186	-9999	23066	15719	15719	38013	38013	27478					
AR	05	313553	-9999	-9999	194917	-17488	185516	123515	-9999	-9999	93005	93005	-9999	93005	93005	-9999	59803	59803	-9999	22790	15758	15758	37731	37731	28641				
CA	06	336421	-18996	-9999	395634	-14289	187333	121400	-9999	-9999	92835	92835	-9999	92835	92835	-9999	59855	59855	-9999	22790	15758	15758	37731	37731	28641				
CO	08	307733	-9999	-9999	370068	-433071	197111	128100	-9999	-9999	49000	59868	-9999	49000	59868	-9999	59868	59868	-9999	22867	15368	15368	36982	36982	28527				
CT	09	330211	-9999	-9999	433071	-518	191000	126875	-9999	-9999	54000	54000	-9999	54000	54000	-9999	56311	56311	-9999	22753	15714	15714	37408	37408	28680				
DE	10	226000	-4000	-9999	390983	-3989	197827	171250	-9999	-9999	14000	69851	-9999	14000	69851	-9999	69851	69851	-9999	23389	15588	15588	38782	38782	28680				
DC	11	287628	-13352	-9999	382321	-10049	195535	128477	-9999	-9999	89000	89000	-9999	89000	89000	-9999	98309	98309	-9999	23418	15739	15739	38348	38348	27728				
FL	12	324012	-14288	-9999	376897	-14288	192244	127159	-9999	-9999	77600	77600	-9999	77600	77600	-9999	57194	57194	-9999	23306	15671	15671	38018	38018	27218				
GA	13	321803	-12872	-9999	376897	-14288	192244	127159	-9999	-9999	77600	77600	-9999	77600	77600	-9999	57194	57194	-9999	23306	15671	15671	38018	38018	27218				
HI	15	322157	-9999	-9999	376897	-14288	192244	127159	-9999	-9999	77600	77600	-9999	77600	77600	-9999	57194	57194	-9999	23306	15671	15671	38018	38018	27218				
ID	16	322832	-9999	-9999	322832	-9999	195359	126399	-9999	-9999	78548	78548	-9999	78548	78548	-9999	53755	53755	-9999	22714	15875	15875	37754	37754	28680				
IL	17	328728	-15443	-9999	386450	-13569	195359	126399	-9999	-9999	78548	78548	-9999	78548	78548	-9999	53755	53755	-9999	22714	15875	15875	37754	37754	28680				
IN	18	308044	-18996	-9999	345731	-18996	197868	126591	-9999	-9999	78679	78679	-9999	78679	78679	-9999	55450	55450	-9999	22864	15598	15598	37407	37407	27235				
IA	19	308044	-18996	-9999	345731	-18996	197868	126591	-9999	-9999	78679	78679	-9999	78679	78679	-9999	55450	55450	-9999	22864	15598	15598	37407	37407	27235				
KS	20	310806	-18000	-9999	309687	-18996	194587	128528	-9999	-9999	82038	82038	-9999	82038	82038	-9999	59040	59040	-9999	22866	15443	15443	37304	37304	27352				
KY	21	254275	-18996	-9999	383155	-9999	194587	128528	-9999	-9999	82038	82038	-9999	82038	82038	-9999	59040	59040	-9999	22866	15443	15443	37304	37304	27352				
LA	22	325115	-9999	-9999	190125	-18996	194587	128528	-9999	-9999	82038	82038	-9999	82038	82038	-9999	59040	59040	-9999	22866	15443	15443	37304	37304	27352				
ME	23	220125	-12872	-9999	390318	-9999	194587	128528	-9999	-9999	82038	82038	-9999	82038	82038	-9999	59040	59040	-9999	22866	15443	15443	37304	37304	27352				
MD	24	365318	-9999	-9999	352879	-11788	191510	123119	-9999	-9999	71222	71222	-9999	71222	71222	-9999	58488	58488	-9999	22778	15366	15366	38050	38050	27679				
MA	25	314629	-18996	-9999	382887	-9999	194573	118928	-9999	-9999	74038	74038	-9999	74038	74038	-9999	55388	55388	-9999	22778	15366	15366	37585	37585	27479				
MI	26	313469	-9999	-9999	362485	-10000	186117	120556	-9999	-9999	74038	74038	-9999	74038	74038	-9999	55388	55388	-9999	22778	15366	15366	37585	37585	27479				
MN	27	308673	-10000	-9999	318909	-18996	194908	125000	-9999	-9999	73600	73600	-9999	73600	73600	-9999	54855	54855	-9999	22799	15427	15427	37758	37758	28833				
MS	28	318909	-18996	-9999	411573	-13999	195297	121389	-9999	-9999	74244	74244	-9999	74244	74244	-9999	57203	57203	-9999	22772	15686	15686	37678	37678	27881				
MO	29	366686	-18996	-9999	241580	-9999	191687	113824	-9999	-9999	81794	81794	-9999	81794	81794	-9999	49823	49823	-9999	22683	15722	15722	37256	37256	26863				
MT	30	191687	-9999	-9999	332198	-14000	196087	128111	-9999	-9999	77874	77874	-9999	77874	77874	-9999	52081	52081	-9999	22503	15636	15636	37808	37808	28034				
NE	31	316382	-9999	-9999	316382	-9999	194911	121471	-9999	-9999	81500	81500	-9999	81500	81500	-9999	56535	56535	-9999	22772	15350	15350	37079	37079	28352				
NV	32	214130	-9999	-9999	274573	-9999	178125	119130	-9999	-9999	40000	40000	-9999	40000	40000	-9999	54573	54573	-9999	22779	15577	15577	38208	38208	27252				
NH	33	219111	-9999	-9999	248387	-9999	195487	127029	-9999	-9999	71857	71857	-9999	71857	71857	-9999	56953	56953	-9999	22812	15443	15443	38315	38315	28425				
NJ	34	312394	-9999	-9999	325622	-9999	192591	118803	-9999	-9999	77667	77667	-9999	77667	77667	-9999	54407	54407	-9999	22839	15462	15462	37569	37569	27298				
NY	35	327320	-10346	-9999	413329	-10388	195875	131445	-9999	-9999	82784	82784	-9999	82784	82784	-9999	55404	55404	-9999	22839	15782	15782	37373	37373	27519				
NC	37	312394	-9999	-9999	325622	-9999	192591	118803	-9999	-9999	77667	77667	-9999	77667	77667	-9999	54407	54407	-9999	22839	15462	15462	37569	37569	27298				
ND	38	311786	-9999	-9999	336786	-9999	194286	117500	-9999	-9999	75136	75136	-9999	75136	75136	-9999	56953	56953	-9999	22812	15443	15443	38315	38315	28425				
OH	39	401081	-9999	-9999	401081	-9999	194958	122923	-9999	-9999	83200	83200	-9999	83200	83200	-9999	56953	56953	-9999	22812	15443	15443	38315	38315	28425				
OK	40	276928	-15886	-9999	276928	-15886	191828	121515	-9999	-9999	81000	81000	-9999	81000	81000	-9999	55750	55750	-9999	22835	15566	15566	37282	37282	27257				
OR	41	308903	-9999	-9999	364307	-9999	192158	116744	-9999	-9999	80552	80552	-9999	80552	80552	-9999	54004	54004	-9999	22839	15782	15782	37373	37373	27519				
PA	42	323518	-9999	-9999	404675	-9999	190556	119348	-9999	-9999	54000	54000	-9999	54000	54000	-9999	54125	54125	-9999	22714	15407	15407	37173	37173	27500				
RI	44	236348	-9999	-9999	293473	-9999	190556	119348	-9999	-9999	54000	54000	-9999	54000	54000	-9999	54125	54125	-9999	22714	15407	15407	37173	37173	27500				
SC	45	314411	-9999	-9999	349411	-9999	192025	121786	-9999	-9999	80000	80000	-9999	80000	80000	-9999	58070	58070	-9999	23037	15846	15846	38534	38534	27963				
SD	46	178571	-9999	-9999	190571	-9999	178571	115714	-9999	-9999	76917	76917	-9999	76917	76917	-9999	57845	57845	-9999	22801	15633	15633	38324	38324	27863				
TN	47	386378	-9999	-9999	386378	-9999	192312	125066	-9999	-9999	79000	79000	-9999	79000	79000	-9999	58344	58344	-9999	23088	15783	15783	37901	37901	27616				
TX	48	365722	-19996	-9999	429126	-19996	194842	128680	-9999	-9999	80487	80487	-9999	80487	80487	-9999	58344	58344	-9999	23088	15783	15783	37901	37901	27616				
UT	49	321538	-9999	-9999	254184	-9999	191536	123958	-9999	-9999	75000	75000	-9999	75000	75000	-9999	53176	53176	-9999	22816	15751	15751	37146	37146	27381				
VT	50	185731	-16000	-9999	238907	-18000	184231	115000	-9999	-9999	89000	89000	-9999	89000	89000	-9999	53176	53176	-9999	22816	15751	15751	37146	37146	27381				
VA	51	321190	-9999	-9999	325190	-9999	193811	127579	-9999	-9999	81059	81059	-9999	81059	81059	-9999	55949	55949	-9999	22974	15788	15788	38394	38394	27492				
WA	53	311479	-9999	-9999	367204	-18513	190030	121449	-9999	-9999	79689	79689	-9999	79689	79689	-9999	55725	55725	-9999	22943	15347	15347	37475	37475	27890				
WV	54	247024	-9999	-9999	248762																								

APPENDIX I. Code Lists

GENERAL NOTE:

These appendixes, unless otherwise specified, are applicable to all 1990 Census Products based on sample data. In some instances you may see a range of codes in a list. In most cases, these code ranges are provided for ease of programming, and to provide detailed descriptions of the codes, and do not mean that all the values in the range will appear in a given PUMS file. The valid codes for the PUMS files are in Chapter 5. Please refer to that chapter when writing your tabulation code.



040 PRUSSIAN

041 SAXON

041 Sachsen

041 Saxony

045 GREEK

046 Greece

047 Cretan

047 Crete

048 Cycladic Islander

048 Cyclades

048 Dodecanese Islander

048 Peloponnesian

049 ICELANDER

049 Iceland

049 Icelandic

050* IRISH

050 Black Irish

050 Clare

050 Cork

050 Donegal

050 Dublin

050 Dubliner

050 Eire

050 Erin

050 Galway

050 Ireland

050 Irish Free State

050 Kerry

050 Kildare

050 Kilkenny

050 Laoighis

050 Leitrim

050 Leix

050 Limerick

050 Longford

050 Louth

050 Mayo

050 Meath

050 Monaghan

050 Offaly

050 Roscommon

050 Sligo

050 Tipperary

050 Waterford

050 Westmeath

050 Wexford

050 Wicklow

051* ITALIAN

051 Istria

051 Italo

051 Italy

052 Trieste

053 Abruzzi

054 Apulian

054 Apulia

055 Basilicata

055 Lucania

056 Calabrian

056 Calabria

057 Amalfian

057 Amalfi

057 Amalfitani

057 Campania

057 Campanian

058 Emilia Romagna

059 Rome

059 Lazio

059 Vatican City

060 Ligurian

060 Liguria

061 Lombardian

061 Lombard

061 Lombardy

062 Marche

062 Marches

063 Molise

064 Neapolitan

064 Naples

065 Piedmontese

065 Piedmont

066 Puglia

067 Sardinian

067 Sardegna

069 Toscana

069 Tuscan

069 Tuscany

070 Trentino

071 Umbrian

071 Umbria

072 Valle Daosta

073 Venetian

073 Venice

073 Veneto

073 Venezia

073 Venezia Giulia

074 San Marino

074 Venice

068* SICILIAN

068 Sicily

075 LAPP
075 Lapland
075 Laplander
075 Lappish
075 Samelat

076 LIECHTENSTEINER
076 Liechtenstein
076 Liechtenstein

077 LUXEMBURGER
077 Luxembourg
077 Luxembourggeois
077 Luxembourger
077 Luxemburg

078 MALTESE
078 Gozo
078 Malta

079 MANX
079 Isle of Man
079 Manx Islander

080 MONEGASQUE
080 Monacan
080 Monaco

081 NORTHERN IRELANDER
081 Antrim
081 Armagh
081 Derry
081 Down
081 Fermanagh
081 Londonderry
081 Northern Ireland
081 Orangeman
081 Tyrone
081 Ulster
081 Ulsterite
081 Ulsterman

082 NORWEGIAN
082 Jan Meyen Islander
082 Norse
082 Norsk
082 Norway
082 Spitsbergen
082 Svalbard Islander

083 OCCITAN
083 Occitanie
083 Provencal
083 Provence

084 PORTUGUESE
084 Lusitania
084 Lusitanian
084 Luso
084 Portugal

085 AZOREAN
085 Azores Islander
085 Azorian
086 Madeiran
086 Madeira Islander

087 SCOTCH IRISH
087 Scot Irish

088 SCOTTISH
088 Orkney Islander
088 Pict
088 Pictish
088 Scot
088 Scotch
088 Scotland
088 Scots
088 Scottie
088 Shetland
088 Shetland Islander

089 SWEDISH
089 Swede
089 Sweden
090 Aland Islander

091 SWISS
091 Switzerland
092 Suisse
093 Switzer
093 Schweiz
095 Romansch
095 Romansh
096 Suisse Romane
096 Ticino

097 WELSH
097 Wales
097 Welch

098 SCANDINAVIAN
 098 Nordic
 098 Scandinavia

099 CELTIC
 099 Celt
 099 Celtish

100-180 EASTERN EUROPE AND SOVIET UNION

100 ALBANIAN
 100 Albania
 100 Arberesh
 100 Geg
 100 Gheg
 100 Italo Albanian
 100 Kossovo
 100 Tosc
 100 Tosk

101 AZERBAIJANI
 101 Adjerbaijani
 101 Aderbaijaniah
 101 Azerbaidzhan
 101 Azeri
 101 Azcris

102 BELOURUSSIAN
 102 Bielorus
 102 Byelorussian

103 BULGARIAN
 103 Bulgar
 103 Bulgaria
 103 Bulgaro Macedonian
 103 Eastern Rumelian

104 CARPATHO RUSYN
 104 Carpatho Rus
 104 Carpatho Russian
 104 Carpatho Ruthenian
 105 Carpathian
 105 Carpatho

106 RUSYN
 106 Rus
 106 Rusin
 106 Rusnak

107 RUTHENIAN
 107 Ruthenia

108 COSSACK
 108 Don Cossack
 108 Orenburg Cossack
 108 Terek Cossack
 108 Ural Cossack

109 CROATIAN
 109 Croat
 109 Croatia
 109 Dalmatian
 109 Zadar
 109 Zara

111 CZECH
 111 Chech
 111 Chekh
 112 Bohemian
 113 Moravian

114 CZECHOSLOVAKIAN
 114 Czechoslovak
 114 Czechoslovakia
 114 Tczechoslovakia
 114 Tczechoslovakian

115 ESTONIAN
 115 Estonia
 116 Livonian
 116 Liv

117 FINNO UGRIAN
 117 Komi
 117 Mari
 117 Udmurt
 118 Mordovian
 118 Mordva
 118 Mordvin
 119 Voytak

120 GRUZIIA
 120 Gruzinets

122 GERMAN FROM RUSSIA
 123 Volga
 123 Black Sea German
 123 Volga German
 123 Volhynian German

124 ROM
 124 Boyash
 124 Cali
 124 Churara

124	Dom		
124	Gitanos		
124	Gypsy		
124	Kalderash		
124	Lowrara		
124	Luri		
124	Machwaya		
124	Manouche		
124	Melungeon		
124	Nat		
124	Romani		
124	Romany		
124	Rommany		
124	Romnichal		
124	Senti		
124	Xoraxaya		
125	HUNGARIAN		
125	Hungary		
125	Szekler		
126	Magyar		
127	KALMYK		
127	Kalmuck		
128	LATVIAN		
128	Latvi		
128	Latvia		
128	Lett		
128	Lettish		
129	LITHUANIAN		
129	Jmoud		
129	Lithuania		
130	MACEDONIAN		
130	Macedonia		
130	Slavophone		
131*	MONTENEGRIN		
131	Orna Gora		
131*	Montenegrin		
132	NORTH CAUCASIAN		
132	Abkhazian		
132	Adyge		
132	Avar		
132	Caucasus Mountains		
132	Chechen		
132	Dagestan		
132	Dagestani		
132	Daghestan		
132	Darghinian		
132	Gortsy		
		132	Ingush
		132	Kabardinian
		132	Lezghian
		132	Tavlintsy
		133	North Caucasian Turkic
		133	Adzharian
		133	Balkar
		133	Cherkess
		133	Circassian
		133	Karacay
		133	Karachay
		133	Kumyk
		140	Ossetian
		142	POLISH
		142	Gorali
		142	Masurian
		142	Poland
		142	Pole
		142	Polonia
		142	Polska
		143	Kashubian
		143	Kashube
		144	ROMANIAN
		144	Roman
		144	Romania
		144	Roumanian
		144	Rumanian
		144	Transylvanian
		144	Transylvania
		145	Bessarabian
		145	Dobruja
		146	Moldavian
		147	Wallachian
		147	Vlach
		148	RUSSIAN
		148	Black Russian
		148	Great Russian
		148	Rossiya
		148	Russia
		148	Red Russian
		150	Muscovite
		150	Moscow
		150	Moskva
		152	SERBIAN
		152	Serb
		153	SLOVAK
		153	Slovakian

441	Bedouin	500	Cabinda
442	KURDISH	502	BENIN
442	Kurd	502	Dahoman
444	Kuria Muria Islander	502	Dahom
465	PALESTINIAN	502	Dahomey
465	Palestine	502	Dahomeyan
466	Gaza Strip	502	Fon
466	Gazan	504	BOTSWANA
467	West Bank	504	Bechuana
470	SOUTH YEMEN	504	Bechuanaikand
470	Peoples Democratic Republic of Yemen	504	Botswanailand
471	Aden	506	BURUNDIAN
471	Aden Protectorate	506	Burundi
480	UNITED ARAB EMIRATES	506	Urundi
480	Abu Dhabi	508	CAMEROONIAN
480	Ajman	508	Cameroon
480	Dubai	508	Cameroun
480	Fujairah	508	Fako
480	Ras al Kaimah	510	CAPE VERDEAN
480	Sharjah	510	Brava
480	Umm Al Qaiwain	510	Caba Verdian
482	ASSYRIAN	510	Cape Verde Islander
482	Aramean	512	CENTRAL AFRICAN REPUBLIC
482	Assyria	512	Ubangi Shari
482	Chaldean	513	CHADIAN
482	Chaldo	513	Chad
482	Jacobite	515	CONGOLESE
482	Kaldany	515	Congo
482	Kaldu	516	Congo Brazzaville
482	Kasddem	519	DJIBOUTI
482	Kasdu	519	Afars and Issas
482	Nestorian	519	Jibuti
482	Telkeffee	520	EQUATORIAL GUINEA
490	MIDEAST	520	Rio Muni
490	Middle Eastern	521	Corsico Islander
495	ARAB	521	Annobon Islander
495	Arabia	521	Bioko Islander
495	Arabian	521	Elobeis Islander
496	Arabic	521	Fernando Po Islander
500-599	SUBSAHARAN AFRICA		
500	ANGOLAN		
500	Angola		

522	ETHIOPIAN	549	MOZAMBIKAN
522	Abyssinia	549	Mozambique
522	Abyssinian	550	NAMIBIAN
522	Ethiopia	550	Namibia
523	Eritrean	551	NIGER
525	GABONESE	553	NIGERIAN
525	Gabon	553	Nigeria
525	Gaboon	554	Fulah
525	Gabun	554	Fulani
527	GAMBIAN	555	Hausa
527	Gambia	556	Ibo
529	GHANIAN	557	Tiv
529	Ashanti	558	Yoruba
529	Ghana	561	RWANDAN
529	Ghanese	561	Rwanda
529	Ghanian	564	SENEGALESE
529	Gold Coast	564	Dakar
529	Twi	564	Senegal
530	GUINEAN	566	SIERRA LEONEAN
530	Guinea	566	Sierra Leone
531	GUINEA BISSAU	568	SOMALIAN
532*	IVORY COAST	568	Somali Republic
534	KENYAN	568	Somalia
534	Kenya	569	SWAZILAND
538	LESOTHO	570	SOUTH AFRICAN
538	Basuto	570	Republic of South Africa
538	Basutoland	570	South Africa
538	Basutoland	571	Union of South Africa
541	LIBERIAN	571	Orange Free State
541	Liberia	571	Pretoria
543	MADAGASCAN	571	Transkei
543	Madagascar	571	Transvaal
545	MALAWIAN	572	Afrikaner
545	Malwai	572	Boer
546	MALIAN	573	Natal
546	Mali	573	Natalian
547	MAURITANIAN	574	ZULU
547	Mauritania	574	Zululand
		576	SUDANESE
		576	Soudan
		576	Soudanese

706	CHINESE	730	Portuguese Timor
706	China	730	Spice Islander
706	Chino	730	Sulawesi Islander
706	Jehol	730	Tampango
706	Sino Chinese	732	Boreno
706	Yao	734	Java
707	Cantonese	734	Javanese
708	Manchurian	736	Sumatran
708	Manchuria	736	Sumatra
709	Mandarin		
712	MONGOLIAN	740	JAPANESE
712	Buriat	740	Japan
712	Buryat	740	Nippon
712	Mongol	740	Nipponese
712	Mongolia	741	Issei
		742	Nisei
714	TIBETAN	743	Sansei
714	Thibet	744	Yonsei
714	Tibet	745	Gosei
716	HONG KONG	746	RYUKYU ISLANDER
716	Hong Kong Chinese	746	Northern Ryukyu Islander
716	Eastern Archipelago		
716	Riau Islander	748	OKINAWAN
		748	Okinawa
718	MACAO	748	Onik
718	Portuguese Macao		
720	FILIPINO	750	KOREAN
720	Cebuanos	750	Chosen
720	Filipine Islander	750	Korea
720	Illocanos	750	North Korean
720	Philipino	750	South Korean
720	Philippines		
720	Philippino Islander	765	LAOTIAN
720	Pilipino	765	Lao
720	Tagalog	765	Laos
720	Visayan	766	Meo
730	INDONESIAN	768	HMONG
730	Ascension Islander	768	Hmongtana
730	Bangka	768	Laohmong
730	Banka	768	Mong
730	Billiton		
730	Celebes Islander	770	MALAYSIAN
730	Celebesian	770	Malay
730	Dutch East Indian	770	Malayan
730	Indonesia	770	Malaysia
730	Molucca Islander	770	Sakai
730	Moluccan	770	Semang
730	Pangdangan	770	Senoi

771 NORTH BORNEO

771 Brunei
771 Sabah
771 Sarawak

774 SINGAPOREAN

774 Singapore

776 THAI

776 Siam
776 Siamese
776 Tai
776 Thailand
776 Thialander
777 Black Thai
777 Thai Dam
777 Thaidam
778 Western Lao

782 TAIWANESE

782 Taiwan

783 FORMOSAN

783 Formosa

785 VIETNAMESE

785 Anam
785 Annam
785 Annamese
785 Annamite
785 North Vietnamese
785 South Vietnamese
785 Vietnam
786 Katu
787 Ma
788 Mnong

790 MONTAGNARD

790 Cham
790 Chom

792 INDO CHINESE

792 Indo China
792 Indochina
792 Indochinese

793 EURASIAN

793 Indo European
793 Indoeuropean

794 AMERASIAN

795 ASIAN

795 Asia
795 Asiatic
795 Orient
795 Oriental

800-899 PACIFIC

800 AUSTRALIAN

800 Australia
800 Moen
800 New South Wales
800 Northern Territory
800 Queensland
800 South Australia
800 Victoria
800 Western Australia
800 Tasmanian
801 Tasmania
802 Australian Aborigine

803 NEW ZEALANDER

803 New Zealand

808 POLYNESIAN

808 Ellis
808 Norfolk Islander
808 Polynesia
808 Polynesia Islander
808 Satuvaluan
808 Tulo Anese
808 Tuvalu
808 Tuvaluan
809 Kapinagamarangan
809 Nukoroan
810 Maori

811 HAWAIIAN

811 Hawaiian Islander
811 Hawaiian Native
811 Mixed Hawaiian
811 Native Hawaiian
813 Part Hawaiian

814 SAMOAN

814 American Samoan
814* Part Samoan
814 Samoa
814 Swains Island
814 Tutuila

815 TONGAN

815 Tonga
815 Tonga Islander

816 TOKELAUAN
816 Toelau
816 Tokelau Islander

817 COOK ISLANDER

818 TAHITIAN
818 French Polynesia
818 Society Islander
818 Tahiti

819 NIUEAN

820 MICRONESIAN
820 FSM
820 Micronesia Islander
820 US Trust Territory of the Pacific

821 GUAMANIAN
821 Gu
821 Guam
822 Chamorro
822 Chamorro Islander

823 SAIPANESE
823 Micanina
823 Northern Marianas Islander
823 Saipan Islander
823 Rota
823 Rotanese
823 Rotinian

824 PALAUAN
824 Belau
824 Belauan
824 Puloanese
824 R P
824 R.P.
824 RP
824 Sonsorolese
824 Tulo Anese

825 MARSHALLESE
825 Marshall Islander

826 KOSRAEAN

827 PONAPEAN
827 Mokilese

827 Ngatikese
827 Pingelapese
827 Pohnpeian
827 Ponape
827 Ponape Islander
827 Prohnpen
827 Pronpen

828 CHUUKESSE
828 Chuuk
828 Chuukian
828 Hall Islander
828 Mortlockese
828 Namanouito
828 Pulapese
828 Pulasukese
828 Pulwaatese
828 Tamatamian
828 Truk
828 Truk Islander
828 Trukese
828 Ulul

829 YAPESE
829 Yap
829 Yap Islander

830 CAROLINIAN
830 Caroline Islander
830 Eauripikese
830 Faisian
830 Ifalukese
830 Lamotrekese
830 Satawalese
830 Ulithian
830 Woleaian

831 KIRIBATESE
831 Gilbertese

832 NAURUAN

833 TARAWA ISLANDER
833 Tarawa

834 TINIAN ISLANDER
834 Tinian

840 MELANESIAN ISLANDER
840 Melanesia

841 FIJIAN
841 Fiji
841 Fiji Islander

843 NEW GUINEAN
844 Papuan
844 Papua

845 SOLOMON ISLANDER
845 British Solomons

846 NEW CALEDONIAN ISLANDER
846 New Caledonia

847 VANUATUAN
847 New Hebrides Islander
847 NHB
847 Ni Vanuatu

850 PACIFIC ISLANDER
850 Campbell Islander
850 Christmas Islander
850 Kermadec Islander
850 Midway Islander
850 Phoenix Islander
850 Pi
850 Wake Islander
860 Pacific N.E.C.
860 Oceania
860 Oceanica
860 Paccian
860 Pacific
861 Part Samoan
862 Chamolinian

863 RESERVED CODES

900 AFRO AMERICAN
900 Afroamerican
900 Afro
902 African American
902 African Amer
903 Black
904 Negro
905 Nonwhite
906 Colored
906 Bilalian
906 Nigritian
907 Creole
908 Mulatto

913 C A INDIAN

914 S A INDIAN

920 AMERICAN INDIAN
920 Blackfoot
920 Cherokee
920 Mayan
920 Native American
920 Navajo

921 ALEUT
921 Aleutian
921 Aleutian Islander

922 ESKIMO

923 INUIT

924 WHITE
924 Caucasian
924 Swamp Yankee
924 Wasp
924 Yankee
925 Anglo
925 Anglo Saxon
925 Anglosaxon
927 Applachian
927 Hillbilly
928 Aryan

929 PENNSYLVANIA GERMAN
929 Amish
929 Hutterite
929 Mennonite
929 Pennsylvania Dutch

930 GREENLANDER

931 CANADIAN
931 Albertan
931 British Canadian
931 British Columbia
931 British Columbian
931 Canada
931 English Canadian
931 Labrador
931 Labradorean
931 Labradorian
931 Manitoba
931 Manitoban
931 New Brunswick
931 Ontarian
931 Ontario

931	Prince Edward Islander	952	Illinoisan
931	Saskatchewan	953	Indiana
931	Yukon	953	Indianan
931	Yukoner	954	Iowa
933	Newfoundland	955	Kansan
934	Nova Scotian	955	Kansas
934	Nova Scotia	956	Kentucky
		957	Louisiana
935	FRENCH CANADIAN	958	Maine
935	Canadien	959	Maryland
935	Franco American	959	Marylander
935	Quebec	960	Massachusetts
935	Quebecois	961	Michigan
		961	Michigander
936	ACADIAN	962	Minnesota
936	Acadia	962	Minnesotan
937	Cajun	963	Mississippi
		963	Mississippian
939	AMERICAN	964	Missouri
939	America	964	Missourian
939	Americans	965	Montana
		965	Monranan
940	UNITED STATES	966	Nebraska
940	U S	966	Nebraskan
940	U S A	967	Nevada
940	Unites States of America	967	Nevadan
940	US	968	New Hampshire
940	USA	969	New Jersey
941	Alabama	969	New Jerseyite
941	Alabaman	970	New Mexican
941	Albaman	970	New Mexico
942	Alaska	971	New York
942	Alaskan	971	New Yorker
943	Arizona	972	North Carolina
943	Arizonan	972	North Carolinian
943	Arizonian	973	North Dakota
944	Arkansan	973	North Dakotan
944	Arkansas	974	Ohio
945	California	974	Ohioan
945	Californian	976	Oklahoma
946	Coloradan	976	Oklahoman
946	Colorado	977	Oregon
947	Connecticut	977	Oregonian
948	D C	978	Pennsylvania
948	DC	979	Rhode Island
948	District of Columbia	979	Rhode Islander
948	Washington DC	980	South Carolina
949	Delaware	980	South Carolinian
950	Florida	981	South Dakota
950	Floridian	981	South Dakotan
951	Idaho	982	Tennessean
952	Illinois	982	Tennessee

983 Texan
 983 Texas
 984 Utah
 985 Vermont
 985 Vermonter
 986 Virginia
 986 Virginian
 987 Washington
 987 Washingtonian
 988 West Virginia
 988 West Virginian
 989 Wisconsin
 990 Wyoming
 991 Georgia
 991 Georgian
 993 Southerner

994 NORTH AMERICAN
 994 North America

959-999 RESIDUAL AND NO RESPONSE

995 MIXTURE
 995 Bi Racial
 995 Biracial
 995 Combination
 995 Everything
 995 Heinz 57
 995 Homo Sapien
 995 Human Being
 995 Many
 995 Mixed
 995 Multi National
 995 Multiple
 995 Several
 995 Various

996 UNCODABLE ENTRIES
 996 Adopted
 996 Do Not Know
 996 Dont Know
 996 Gery
 996 Kuttuse
 996 None
 996 Pig Latin
 996 Refused
 996 Roc
 996 Tianglap
 996 Tobian
 996 Unknown
 997 Deferred Cases

998 OTHER RESPONSES
 998 Adventist
 998 Agnostic
 998 Apostolic
 998 Ashkenazim
 998 Ashkenazim Jew
 998 Atheist
 998 Bahai
 998 Baptist
 998 Black Muslim
 998 Brethren
 998 Buddhist
 998 Catholic
 998 Christian
 998 Christian Scientist
 998 Congregationalist
 998 Episcopal
 998 Evangelist
 998 Hebrew
 998 Holiness
 998 Islam
 998 Islamic
 998 Jain
 998 Jehovahs Witnesses
 998 Jehovah's Witnesses
 998 Jewish
 998 Latter Day Saints
 998 Lutheran
 998 Methodist
 998 Mormon
 998 Moslem
 998 Muslem
 998 Muslim
 998 Orthodox
 998 Pentecostal
 998 Presbyterian
 998 Protestant
 998 Quaker
 998 Roman Catholic
 998 Salvation Army
 998 Sephardic
 998 Sephardic Jew
 998 Sephardim
 998 Seventh Day Adventist
 998 Shiite
 998 Unitarian
 998 Yiddish
 998 Zoroastrian

999* NOT REPORTED

GQ codes	Staff residents GQ codes
-------------	--------------------------------

J. Juvenile Institutions: Including homes, schools, and hospitals—Con.

2. Short-term (length of stay usually 30 days or less)

- | | | |
|------|------|--|
| 10-I | 10-N | a. Delinquent children: Including those receiving temporary care in detention or diagnostic centers pending court disposition of case. |
| | | b. Runaway, neglected, and homeless children: Including emergency shelters/group homes which provide temporary sleeping facilities for juveniles, see paragraph F2. |
| 01-I | 01-N | 3. <i>Don't Know Type of Juvenile Institution</i> : Including homes, schools, hospitals, or wards for children. (Use only as a last resort if no other type code applies.) |

K. Military Quarters

1. On Base

- | | | |
|------|------|---|
| 97-N | -- | a. Barracks, bachelor officers quarters, unaccompanied officer personnel housing, unaccompanied enlisted personnel housing, and similar noninstitutional group living quarters for military personnel |
| 96-N | -- | b. Transient quarters (noninstitutional) for temporary residents (military or civilian) |
| 86-N | -- | c. Dormitories for nurses and interns in general military hospitals |
| 54-I | 86-N | d. Hospitals or wards for chronically ill |
| 95-I | 95-N | e. Stockades and jails |

2. Military Ships

- | | | |
|------|----|---|
| 90-N | -- | L. <i>Natural Disaster</i> : Including those temporarily displaced by a natural disaster, such as "Hurricane Hugo." |
|------|----|---|

- | | | |
|------|----|---|
| 89-N | -- | M. <i>Religious Group Quarters</i> : Including convents, monasteries, and rectories. Members of religious orders who live in a dormitory at a hospital or college were classified according to the type of place where they live, such as 86-N if at a general hospital, or 87-N if at a college. (Code only if occupied by 10 or more unrelated persons. If less than 10, these are classified as a housing unit.) |
|------|----|---|

- | | | |
|------|----|--|
| 80-N | -- | N. <i>Rooming and Boarding Houses</i>
(Code only if occupied by 10 or more unrelated persons. If less than 10, these are classified as a housing unit.) |
|------|----|--|

O. *Schools for the Handicapped*: See paragraphs H5 and H6.

P. *Shelter/Street Night Enumeration ("S-Night")*: See paragraph F.

- | | | |
|------|----|---|
| 94-N | -- | Q. <i>Other Nonhousehold Living Situations</i> : Including places not covered by other GQ codes shown herein, such as commercial or public campgrounds, campgrounds at racetracks, fairs, and carnivals, hostels, and similar transient sites. (Ask usual home elsewhere in these places. Include as living there only persons who have no usual home elsewhere.) |
|------|----|---|

R. *Staff of Institutions*: Including staff personnel residing in group quarters. Code according to the appropriate type of group quarters shown under the column "Staff residents GQ codes." Staff residents are coded with an "N" suffix.

Note: Do not assign GQ codes to staff residents in group quarters where a "--" is shown.

HISPANIC ORIGIN

This section contains the code list used for both write-in entries and the FOSDIC circle entries for the for the Hispanic origin question in PUMS. The list of origins with their associated three-digit codes is shown below. "n.e.c." is the abbreviation for not elsewhere classified.

000, 006-199	NOT SPANISH/HISPANIC	236 231-249	Paraguayan SOUTH AMERICAN—Con.
000	Not Spanish/Hispanic (FOSDIC circle)	237	Peruvian
006-199	Not Spanish/Hispanic	238	Uruguayan
		239	Venezuelan
200-209	SPANIARD	240	Reserve Spanish/Hispanic 6
200	Spaniard	241	Reserve Spanish/Hispanic 7
201	Andalusian	242	Reserve Spanish/Hispanic 8
202	Asturian	243	Reserve Spanish/Hispanic 9
203	Castilian	244	Reserve Spanish/Hispanic 10
204	Catalonian	245	Reserve Spanish/Hispanic 11
205	Balearic Islander	246	Reserve Spanish/Hispanic 12
206	Gallego	247	South American Indian
207	Valencian	248	Criollo
208	Canarian	249	South American
209	Spanish Basque		
001, 210-220	MEXICAN	002, 261-270	PUERTO RICAN
001	Mexican (FOSDIC circle)	002	Puerto Rican (FOSDIC circle)
210	Mexican	261	Puerto Rican
211	Mexican American	262	Reserve Spanish/Hispanic 21
212	Mexicano	263	Reserve Spanish/Hispanic 22
213	Chicano	264	Reserve Spanish/Hispanic 23
214	La Raza	265	Reserve Spanish/Hispanic 24
215	Mexican American Indian	266	Reserve Spanish/Hispanic 25
216	Reserve Spanish/Hispanic 1	267	Reserve Spanish/Hispanic 26
217	Reserve Spanish/Hispanic 2	268	Reserve Spanish/Hispanic 27
218	Mexico	269	Reserve Spanish/Hispanic 28
219	Reserve Spanish/Hispanic 3	270	Reserve Spanish/Hispanic 29
220	Reserve Spanish/Hispanic 4		
221-230	CENTRAL AMERICAN	003, 271-274	CUBAN
221	Costa Rican	003	Cuban (FOSDIC circle)
222	Guatemalan	271	Cuban
223	Honduran	272	Reserve Spanish/Hispanic 30
224	Nicaraguan	273	Reserve Spanish/Hispanic 31
225	Panamanian	274	Reserve Spanish/Hispanic 32
226	Salvadoran		
227 *	Central American	275-289	DOMINICAN
228	Central American Indian	275	Dominican
229	Canal Zone	276	Reserve Spanish/Hispanic 33
230	Reserve Spanish/Hispanic 5	277	Reserve Spanish/Hispanic 34
		278	Reserve Spanish/Hispanic 35
		279	Reserve Spanish/Hispanic 36
		280	Reserve Spanish/Hispanic 37
		281	Reserve Spanish/Hispanic 38
		282	Reserve Spanish/Hispanic 39
		283-289	Reserve Spanish/Hispanic 40
231-249	SOUTH AMERICAN		
231	Argentinean		
232	Bolivian		
233	Chilean		
234	Colombian		
235	Ecuadorian		

CHAPTER 5: RECORD CONTENTS

This chapter, in conjunction with several appendices, defines the record layout and applicable codes for the public-use microdata samples. The detailed data dictionary begins on page 5-10 for the housing record and page 5-18 for the person record, with explanatory notes on page C-1 in appendix C.

For user convenience, we are providing several indexes which can be used for either PUMS file. Again, the only difference between the files is the PUMA. Note the variable PSA is only applicable to the 3% elderly file--a file which was sponsored by agencies outside the Census Bureau. It contains "Planning Services Areas" identified by the states' health planning agencies. Purchasers of that file will receive a geographic database which equates PSAs to 5% PUMAs if and only if the PSAs match the PUMAs. There is no additional geography.

Below is an index to the basic data items. The index by character location of the items on the housing and person records follows. In these introductory pages, data fields are specified in the form "H9" or "P12-14," where the letter indicates the Housing or Person record and the numbers indicate the character positions occupied on that record. For example, "P12-14" is a three-character field beginning in character 12 of the person record. In the data dictionary, itself, the "P" or "H" designation appears only at the top of the page, and location is expressed in terms of two separate elements, the beginning location and the size for each mnemonic. The mnemonic is a name for a variable or item.

INDEX TO HOUSING ITEMS (BY DESCRIPTION)

<u>MNEMONIC</u>	<u>CHARACTER LOCATION</u>	<u>DESCRIPTION</u>
AGSALES	H68	1989 sales of agricultural products
AAGSALES	H189	1989 sales of agricultural products allocation
HUSFLAG	H41	All 100% housing unit data substituted
PDSFLAG	H42	All 100% person data substituted
AREATYPE	H18-19	Area type
BEDROOMS	H57	Bedrooms
VACANCY3	H54	Boarded up status
AVACANCY3	H175	Boarded up status allocation
COMMUSE	H46	Business or medical office on property
ACOMMUSE	H170	Business or medical office on property allocation
KITCHEN	H59	Complete kitchen facilities
AKITCHEN	H180	Complete kitchen facilities allocation
PLUMBING	H58	Complete plumbing facilities
APLUMBNG	H179	Complete plumbing facilities allocation
ACNDOFEE	H202	Condominium fee allocation
CONDOFEE	H108-111	Condominium fee (monthly amount)
DIVISION	H10	Division code
ELECCOST	H69-72	Electricity (yearly cost)
AELECCST	H190	Electricity (yearly cost) allocation
RFAMINC	H134-140	Family income
RFARM	H116	Farm/nonfarm status
HFILLER1	H36-38	Filler1
HFILLER2	H87-89	Filler2
HFILLER3	H123	Filler3
AINSMT	H195	Fire, hazard, flood insurance allocation
INSMT	H90-93	Fire/hazard/flood insurance (yearly amount)
GASCOST	H73-76	Gas (yearly cost)
AGASCST	H191	Gas (yearly cost) allocation
RGRENT	H117-120	Gross rent
RGRAP1	H121-122	Gross rent as a percentage of household income in 1989
GQINST	H35	Group quarters institution code
FUELHEAT	H62	House heating fuel
AFUEL	H183	House heating fuel allocation
FUELCOST	H81-84	House heating fuel (yearly cost)
ONEACRE	H67	House on less than 1 acre
AONEACRE	H188	House on less than 1 acre allocation
CONDO	H66	House or apartment part of condominium
ACONDO	H187	House or apartment part of condominium allocation
AFUELCST	H193	Household heating fuel (yearly cost) allocation
RHHINC	H141-147	Household income
RHHLANG	H149	Household language
RHHFAMTP	H151-152	Household/family type
SERIALNO	H2-8	Housing unit/GQ person serial number
HOUSWGT	H29-32	Housing weight

INDEX TO HOUSING ITEMS (BY DESCRIPTION) CON.

<u>MNEMONIC</u>	<u>CHARACTER LOCATION</u>	<u>DESCRIPTION</u>
RLINGISO	H150	Linguistic isolation
MEALS	H51	Meals included in rent
AMEALS	H173	Meals included in rent allocation
AMOBHME	H203	Mobile home costs allocation
MOBLHOME	H112-115	Mobile home costs (yearly amount)
RENT1	H49-50	Monthly rent
ARENT1	H172	Monthly rent allocation
VACANCY4	H55	Months vacant
AVACANCY4	H176	Months vacant allocation
MORTGAG3	H95-99	Mortgage payment (monthly amount)
MORTGAG	H94	Mortgage status
AMORTG	H196	Mortgage status allocation
MSAPMSA	H20-23	MSA/PMSA
ABEDROOM	H178	Number of bedrooms allocation
RNATADPT	H153-154	Number of own natural born/adopted children in household (unweighted)
RSTPCHLD	H155-156	Number of own stepchildren in household (unweighted)
RFAMPERS	H157-158	Number of persons in family (unweighted)
PERSONS	H33-34	Number of persons records following this housing record
RNRLCHLD*	H159-160	Number of related children in household (unweighted)
ACRE10	H45	On ten acres or more
AACRES1	H169	On ten acres or more allocation
INSINCL	H101	Payment include fire, hazard, flood insurance
AINSNCL	H199	Payment include fire, hazard, flood insurance allocation
TAXINCL	H100	Payment include real estate taxes
ATAINCL	H198	Payment include real estate taxes allocation
PSA	H24-26	Planning service area (elderly sample only - state dependent)
RNONREL	H161	Presence of nonrelatives in household
R6OOVER	H163	Presence of person 60 years and over in household
R6SOVER	H164	Presence of person 65 years and over in household
R18UNDR	H162	Presence of person under 18 years in household
RSUBFAM	H165	Presence of subfamilies in household
RTAXAMT	H85-86	Property taxes (yearly amount)
VALUE	H47-48	Property value
PUMA	H13-17	Public Use Microdata Area (state dependent)
RECTYPE	H1	Record type
AMORTG3	H197	Regular mortgage payment allocation
ROOMS	H43	Rooms
AROOMS	H167	Rooms allocation
SAMPLE	H9	Sample identifier
MORTGAG2	H102	Second mortgage or home equity loan status
AMRTAMT2	H201	Second mortgage payment allocation
MORTAMT2	H103-107	Second mortgage payment (monthly amount)
AMORTG2	H200	Second mortgage status allocation
ROWNRCS	H124-128	Selected monthly owner costs
RNSMOCPI	H129-131	Selected monthly owner costs as a percentage of household income in 1989
SEWAGE	H64	Sewage disposal
ASEWER	H185	Sewage disposal allocation
WATER	H63	Source of water
AWATER	H184	Source of water allocation
RRENTUNT	H132	Specified rent unit
RVALUNT	H133	Specified value unit
STATE	H11-12	State code
SUBSAMPL	H27-28	Subsample number (use to pull extracts - 1/1000/etc.)
ATAXAMT	H194	Taxes on property allocation
TELEPHON	H60	Telephone in unit
APHONE	H181	Telephones in unit allocation
TENURE	H44	Tenure
ATENURE	H168	Tenure allocation
UNITS1	H39-40	Units in structure
AUNITS1	H166	Units in structure allocation
VACANCY2	H53	Vacancy status
AVACANCY2	H174	Vacancy status allocation
VACANCY1	H52	Vacant usual home elsewhere (UHE)

INDEX TO HOUSING ITEMS (BY CHARACTER LOCATION) CON.

MNEMONIC	CHARACTER LOCATION	SIZE	DESCRIPTION
RFAMINC	H134-140	7	Family income
RHHINC	H141-147	7	Household income
RWRKR89	H148	1	Workers in family in 1989
RHHLANG	H149	1	Household language
RLINGISO	H150	2	Linguistic isolation
RHHFAMTP	H151-152	2	Household/family type
RNATADPT	H153-154	2	Number of own natural born/adopted children in household (unweighted)
RSTPCHLD	H155-156	2	Number of own stepchildren in household (unweighted)
RFAMPERS	H157-158	2	Number of persons in family (unweighted)
RNRLCHLD*	H159-160	2	Number of related children in household (unweighted)
RNONREL	H161	1	Presence of nonrelatives in household
R18UNDR	H162	1	Presence of person under 18 years in household
R60OVER	H163	1	Presence of person 60 years and over in household
R65OVER	H164	1	Presence of person 65 years and over in household
RSUBFAM	H165	1	Presence of subfamilies in household
AUNITS1	H166	1	Units in structure allocation
AROOMS	H167	1	Rooms allocation
ATENURE	H168	1	Tenure allocation
AACRES1	H169	1	On ten acres or more allocation
ACOMMUSE	H170	1	Business or medical office on property allocation
AVALUE	H171	1	Value allocation
ARENT1	H172	1	Monthly rent allocation
AMEALS	H173	1	Meals included in rent allocation
AVACNCY2	H174	1	Vacancy status allocation
AVACNCY3	H175	1	Boarded up status allocation
AVACNCY4	H176	1	Months vacant allocation
AYRMOVED	H177	1	When moved into this house or apartment allocation
ABEDROOM	H178	1	Number of bedrooms allocation
APLUMBNG	H179	1	Complete plumbing facilities allocation
AKITCHEN	H180	1	Complete kitchen facilities allocation
APHONE	H181	1	Telephones in unit allocation
AVEHICLE	H182	1	Vehicles available by household allocation
AFUEL	H183	1	House heating fuel allocation
AWATER	H184	1	Source of water allocation
ASEWER	H185	1	Sewage disposal allocation
AYRBUILT	H186	1	When structure first built allocation
ACONDO	H187	1	House or apartment part of condominium allocation
AONEACRE	H188	1	House on less than 1 acre allocation
AAGSALES	H189	1	1989 sales of agricultural products allocation
AELECCST	H190	1	Electricity (yearly cost) allocation
AGASCST	H191	1	Gas (yearly cost) allocation
AWATRCST	H192	1	Water (yearly cost) allocation
AFUELCS	H193	1	Household heating fuel (yearly cost) allocation
ATAXAMT	H194	1	Taxes on property allocation
AINSAMT	H195	1	Fire, hazard, flood insurance allocation
AMORTG	H196	1	Mortgage status allocation
MORTG3	H197	1	Regular mortgage payment allocation
ATAXINCL	H198	1	Payment include real estate taxes allocation
AINSINCL	H199	1	Payment include fire, hazard, flood insurance
AMORTG2	H200	1	Second mortgage status allocation
AMRTAMT2	H201	1	Second mortgage payment allocation
ACNDOFEE	H202	1	Condominium fee allocation
AMOBHME	H203	1	Mobile home costs allocation
FILLER	H204-H231	28	Filler

INDEX TO POPULATION ITEMS (BY CHARACTER LOCATION)

<u>MNEMONIC</u>	<u>CHARACTER LOCATION</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
RECTYPE	P1	1	Record type
SERIALNO	P2-8	7	Housing unit/GQ person serial number
RELAT1	P9-10	2	Relationship
SEX	P11	1	Sex
RACE	P12-14	3	Detailed race code
AGE	P15-16	2	Age
MARITAL	P17	1	Marital status
PWGT1	P18-21	4	Person's weight
PFILLER1	P22-25	4	Filler
REMPAR	P26-28	3	Employment status of parents
RPOB	P29-30	2	Place of birth (recode)
RSPOUSE	P31	1	Married, spouse present/spouse absent
ROWNCHLD	P32	1	Own child
RAGECHLD	P33	1	Presence and age of own children
RRELCHLD	P34	1	Related child
RELAT2	P35	1	Detailed relationship (other relative)
SUBFAM2	P36	1	Subfamily number
SUBFAM1	P37	1	Subfamily relationship
HISPANIC	P38-40	3	Detailed hispanic origin code
POVERTY	P41-43	3	Person poverty status recode
POB	P44-46	3	Place of birth
CITIZEN	P47	1	Citizenship
IMMIGR	P48-49	2	Year of entry
SCHOOL	P50	1	School enrollment
YEARSCH	P51-52	2	Educational attainment
ANCSTRY1	P53-55	3	Ancestry first entry
ANCSTRY2	P56-58	3	Ancestry second entry
MOBILITY	P59	1	Mobility status (lived here on April 1, 1985)
MIGSTATE	P60-61	2	Migration State or foreign country code
MIGPUMA	P62-66	5	Migration PUMA (State dependent)
LANG1	P67	1	Language other than English at home
LANG2	P68-70	3	Language spoken at home
ENGLISH	P71	1	Ability to speak English
MILITARY	P72	1	Military service
RVETSERV	P73-74	2	Veteran period of service
SEPT80	P75	1	Served September 1980 or later
MAY75880	P76	1	Served May 1975 to August 1980
VIETNAM	P77	1	Served Vietnam ERA (August 1964 - April 1975)
FEB55	P78	1	Served February 1955 - July 1964
KOREAN	P79	1	Served Korean conflict (June 1950 - January 1955)
WWII	P80	1	Served World War II (September 1940 - July 1947)
PFILLER2	P81	1	Filler
OTHRSERV	P82	1	Served any other time
YRSSERV	P83-84	2	Years of active duty military service
DISABL1	P85	1	Work limitation status
DISABL2	P86	1	Work prevented status
MOBILIM	P87	1	Mobility limitation
PERSCARE	P88	1	Personal care limitation
FERTIL	P89-90	2	Number of children ever born
RLABOR	P91	1	Employment status recode
WORKLWK	P92	1	Worked last week
HOURS	P93-94	2	Hours worked last week
POWSTATE	P95-96	2	Place of work - State
POWPUMA	P97-101	5	Place of work PUMA (State dependent)
MEANS	P102-103	2	Means of transportation to work
RIDERS	P104	1	Vehicle occupancy
DEPART	P105-108	4	Time of departure for work - hour and minute
TRAVTIME	P109-110	2	Travel time to work
TMPABSNT	P111	1	Temporary absence from work
LOOKING	P112	1	Looking for work
AVAIL	P113	1	Available for work
YEARWRK	P114	1	Year last worked
INDUSTRY	P115-117	3	Industry
OCCUP	P118-120	3	Occupation

**1990 PUBLIC USE MICRODATA SAMPLES, U.S. DATA DICTIONARY
HOUSING UNIT RECORD**

DATA	SIZE	BEGIN	DATA	SIZE	BEGIN
D ROWNRCS	5	124	D RLINGISO	1	150
Selected monthly owner costs			Linguistic isolation		
V 00000		.N/A (not owned or being bought/not a one	V 0		.N/A (GQ/vacant)
V		.family house, mobile home, or	V 1		.Not linguistically isolated
V		.condo/GQ/vacant/no costs)	V 2		.Linguistically isolated
V 00001..			D RHHFAMTP	2	151
V 20299		.Monthly owner costs in dollars	Household/family type		
V 20300		.Topcode	V 00		.N/A (GQ/vacant)
D RNSMOCPI	3	129	V 01		.Married-couple family household
Selected monthly owner costs as a percentage of			V		Other family household:
household income in 1989			V 02		.Male householder
V 000		.N/A (not owned or being bought/not a one family	V 03		.Female householder
V		.house, mobile home, or condo/GQ/vacant/no HH	V		Nonfamily household:
V		.income)	V		Male householder:
V 001..100		.1% to 100%	V 11		.Living alone
V 101		.101% or more	V 12		.Not living alone
D RRENTUNT	1	132	V		Female householder:
Specified rent unit			V 21		.Living alone
V 0		.Not specified rent unit	V 22		.Not living alone
V 1		.Specified rent unit	D RNATADPT	2	153
D RVALUNT	1	133	Number of own natural born/adopted children in		
Specified value unit			household (unweighted)		
V 0		.Not specified value unit	V 00		.N/A(GQ/vacant/no own natural born/adopted
V 1		.Specified value unit	V		.children)
D RFAMINC	7	134	V 01..28		.Number of own children natural born/adopted
Family income			V		.children in household
V 0000000		.N/A(GQ/vacant/no income)	D RSTPCHLD	2	155
V -999999..			Number of own stepchildren in household (unweighted)		
V 9999999		.Total family income in dollars (See user notes	V 00		.N/A(GQ/vacant/no own stepchildren)
		.for state maximum and minimum values)	V 01..28		.Number of own stepchildren in household
D RHHINC	7	141	D RFAMPERS	2	157
Household income			Number of persons in family (unweighted)		
V 0000000		.N/A(GQ/vacant/no income)	V 00		.N/A (GQ/vacant/non-family household)
V -999999..			V 01..29		.Number of persons in family
V 9999999		.Total household income in dollars (See user notes	D RNRLCHLD*	2	159
		.for state maximum and minimum values)	Number of related children in household (unweighted)		
D RWRKR89	1	148	V 00		.N/A (GQ/vacant/no related children)
Workers in family in 1989			V 01..28		.Number of related children in household
V 0		.N/A (GQ/vacant/non-family household)	D RNONREL	1	161
V 1		.No workers	Presence of nonrelatives in household		
V 2		.1 worker	V 0		.N/A (No nonrelatives in household/GQ/vacant)
V 3		.2 workers	V 1		.1 or more nonrelatives in household
V 4		.3 or more workers in family	D R18UNDR	1	162
D RHHLANG	1	149	Presence of person under 18 years in household		
Household language			V 0		.N/A (No person under 18 in household/GQ/vacant)
V 0		.N/A (GQ/vacant)	V 1		.1 or more person under 18 in household
V 1		.English only	D R60OVER	1	163
V 2		.Spanish	Presence of persons 60 years and over in household		
V 3		.Other Indo-European language	V 0		.N/A (No person 60 and over/GQ/vacant)
V 4		.Asian or Pacific Island language	V 1		.1 person 60 and over (unweighted)
V 5		.Other language	V 2		.2 or more person 60 and over (unweighted)

**1990 PUBLIC USE MICRODATA SAMPLES, U.S. DATA DICTIONARY
HOUSING UNIT RECORD**

DATA	SIZE	BEGIN
D R65OVER	1	164
Presence of person 65 years and over in household		
V	0	.N/A (No person 65 and over/GQ/vacant)
V	1	.1 person 65 and over (unweighted)
V	2	.2 or more person 65 and over (unweighted)
D RSUBFAM	1	165
Presence of subfamilies in Household		
V	0	.N/A (No subfamilies or not applicable/GQ/vacant)
V	1	.1 or more subfamilies
D AUNITS1	1	166
Units in structure allocation		
V	0	.No
V	1	.Yes
D AROOMS	1	167
Rooms allocation		
V	0	.No
V	1	.Yes
D ATENURE	1	168
Tenure allocation		
V	0	.No
V	1	.Yes
D AACRES1	1	169
On ten acres or more allocation		
V	0	.No
V	1	.Yes
D ACOMMUSE	1	170
Business or medical office on property allocation		
V	0	.No
V	1	.Yes
D AVALUE	1	171
Value allocation		
V	0	.No
V	1	.Yes
D ARENT1	1	172
Monthly rent allocation		
V	0	.No
V	1	.Yes
D AMEALS	1	173
Meals included in rent allocation		
V	0	.No
V	1	.Yes
D AVACNCY2	1	174
Vacancy status allocation		
V	0	.No
V	1	.Yes
D AVACNCY3	1	175
Boarded up status allocation		
V	0	.No
V	1	.Yes

DATA	SIZE	BEGIN
D AVACNCY4	1	176
Months vacant allocation		
V	0	.No
V	1	.Yes
D AYRMOVED	1	177
When moved into this house or apartment allocation		
V	0	.No
V	1	.Yes
D ABEDROOM	1	178
Number of bedrooms allocation		
V	0	.No
V	1	.Yes
D APLUMBNG	1	179
Complete plumbing facilities allocation		
V	0	.No
V	1	.Yes
D AKITCHEN	1	180
Complete kitchen facilities allocation		
V	0	.No
V	1	.Yes
D APHONE	1	181
Telephones in house allocation		
V	0	.No
V	1	.Yes
D AVEHICLE	1	182
Vehicles available by household allocation		
V	0	.No
V	1	.Yes
D AFUEL	1	183
House heating fuel allocation		
V	0	.No
V	1	.Yes
D AWATER	1	184
Source of water allocation		
V	0	.No
V	1	.Yes
D ASEWER	1	185
Sewage disposal allocation		
V	0	.No
V	1	.Yes
D AYRBUILT	1	186
When structure first built allocation		
V	0	.No
V	1	.Yes from not answered
V	2	.Yes "don't know"
D ACONDO	1	187
House or apartment part of condominium allocation		
V	0	.No
V	1	.Yes

**1990 PUBLIC USE MICRODATA SAMPLES, U.S. DATA DICTIONARY
HOUSING UNIT RECORD**

DATA	SIZE	BEGIN
D AONEACRE	1	188
	House on less than 1 acre allocation	
V	0	.No
V	1	.Yes
D AAGSALES	1	189
	1989 Sales of Agricultural Products allocation	
V	0	.No
V	1	.Yes
D AELECCST	1	190
	Electricity (yearly cost) allocation	
V	0	.No
V	1	.Yes
D AGASCST	1	191
	Gas (yearly cost) allocation	
V	0	.No
V	1	.Yes
D AWATRCST	1	192
	Water (yearly cost) allocation	
V	0	.No
V	1	.Yes
D AFUELCST*	1	193
	House heating fuel (yearly cost) allocation	
V	0	.No
V	1	.Yes
D ATAXAMT	1	194
	Taxes on property allocation	
V	0	.No
V	1	.Yes
D AINSAMT	1	195
	Fire, hazard, flood insurance allocation	
V	0	.No
V	1	.Yes
D AMORTG	1	196
	Mortgage status allocation	
V	0	.No
V	1	.Yes no answer
V	2	.Yes from junior mortgage
D AMORTG3	1	197
	Regular mortgage payment allocation	
V	0	.No
V	1	.Yes
D ATAXINCL	1	198
	Payment include real estate taxes allocation	
V	0	.No
V	1	.Yes
D AINSINCL	1	199
	Payment include fire, hazard, flood insurance allocation	
V	0	.No

V	1	.Yes
DATA	SIZE	BEGIN
D AMORTG2	1	200
	Second mortgage status allocation	
V	0	.No
V	1	.Yes
D AMRTAMT2	1	201
	Second mortgage payment allocation	
V	0	.NO
V	1	.Yes
D ACNDOFEE	1	202
	Condominium fee allocation	
V	0	.No
V	1	.Yes
D AMOBLHME	1	203
	Mobile home costs allocation	
V	0	.No
V	1	.Yes
D FILLER	28	204

**1990 PUBLIC USE MICRODATA SAMPLES, U.S. DATA DICTIONARY
HOUSING UNIT RECORD**

DATA SIZE BEGIN

D RECTYPE 1 1
 Record Type
 V P .Person Record

 D SERIALNO 7 2
 V 0000000..
 V 9999999 .Housing unit/GQ person serial number unique
 V .identifier assigned within state or state group

D RELAT1 2 9
 Relationship
 V 00 .Householder
 V 01 .Husband/wife
 V 02 .Son/daughter
 V 03 .Stepson/stepdaughter
 V 04 .Brother/sister
 V 05 .Father/mother
 V 06 .Grandchild
 V 07 .Other relative
 Not related
 V 08 .Roomer/boarder/foster child
 V 09 .Housemate/roommate
 V 10 .Unmarried partner
 V 11 .Other nonrelative
 Group quarters
 V 12 .Institutionalized person
 V 13 .Other persons in group quarters

D SEX 1 11
 Sex
 V 0 .Male
 V 1 .Female

D RACE 3 12
 Recoded detailed race code (Appendix C)
 V 001-037 .(See appendix C)
 V 301-327 .American Indian Tribes

D AGE 2 15
 Age
 V 00 .Less than 1 year
 V 01..89 .Age in years
 V 90 .90 or more years old

D MARITAL 1 17
 Marital status
 V 0 .Now married, except separated
 V 1 .Widowed
 V 2 .Divorced
 V 3 .Separated
 V 4 .Never married or under 15 years old

D PWGT1 4 18
 Person's weight
 V * 0000..
 V 1152 .Person's weight

D PFILLER1 4 22
 Filler

DATA SIZE BEGIN

D REMPLPAR 3 26
 Employment status of parents
 V 000 .N/A (not own child of householder, and not
 .child in subfamily)
 V .Living with two parents:
 Both parents in labor force:
 V 111 .Both parents at work 35 or more hours
 V 112 .Father only at work 35 or more hours
 V 113 .Mother only at work 35 or more hours
 V 114 .Neither parent at work 35 or more hours
 Father only in labor force:
 V 121 .Father at work 35 or more hours
 V 122 .Father not at work 35 or more hours
 Mother only in labor force:
 V 133 .Mother at work 35 or more hours
 V 134 .Mother not at work 35 or more hours
 V 141 .Neither parent in labor force
 Living with one parent:
 Living with father:
 V 211 .Father at work 35 or more hours
 V 212 .Father not at work 35 or more hours
 V 213 .Father not in labor force
 Living with mother:
 V 221 .Mother at work 35 or more hours
 V 222 .Mother not at work 35 or more hours
 V 223 .Mother not in labor force

D RPOB 2 29
 Place of birth (Recode)
 V 10 .Born in State of residence
 V .Born in other State in the U.S.:
 V 21 .Northeast
 V 22 .Midwest
 V 23 .South
 V 24 .West
 V .U.S. outlying areas:
 V 31 .Puerto Rico
 V 32 .American Samoa
 V 33 .Guam
 V 34 .Northern Marianas
 V 35 .US Virgin Islands
 V 36 .Elsewhere
 V 40 .Born abroad of American parents
 V .Foreign born:
 V 51 .Naturalized citizen
 V 52 .Not a citizen

D RSPOUSE 1 31
 Married, spouse present/spouse absent
 V 0 .N/A (less than 15 years old)
 V 1 .Now married, spouse present
 V 2 .Now married, spouse absent
 V 3 .Widowed
 V 4 .Divorced
 V 5 .Separated
 V 6 .Never married

1990 PUBLIC USE MICRODATA SAMPLES, U.S. DATA DICTIONARY PERSON RECORD

DATA	SIZE	BEGIN
D ROWNCHLD	1	32
*Own child (see Appendix B, page 14)		
V * 1		.Own child
V * 0		.Not own child
D RAGECHLD	1	33
Presence and age of own children		
V * 0		.N/A (male)
V 1		.With own children under 6 years only
V 2		.With own children 6 to 17 years only
V 3		.With own children under 6 years and 6 to 17 years
V * 4		.No own children (.incl. females under 16 years)
D RRELCHLD	1	34
*Related child (see Appendix B, Page 14)		
V * 1		.Related child
V * 0		.Not related child
D RELAT2	1	35
Detailed relationship (other relative)		
V 0		.N/A (GQ/not other relative)
V 1		.Son-in-law/daughter-in-law
V 2		.Father-in-law/mother-in-law
V 3		.Brother-in-law/sister-in-law
V 4		.Nephew/niece
V 5		.Grandparent
V 6		.Uncle/aunt
V 7		.Cousin
V 8		.Other related by blood or marriage
V 9		.Other relative
D SUBFAM2	1	36
Subfamily number		
V 0		.N/A (GQ/not in a subfamily)
V 1		.In subfamily 1
V 2		.In subfamily 2
V 3		.In subfamily 3
D SUBFAM1	1	37
Subfamily relationship		
V 0		.N/A (GQ/not in a subfamily)
V 1		.Husband/wife
V 2		.Parent in a parent/child subfamily
V 3		.Child in subfamily
D HISPANIC	3	38
Detailed Hispanic origin code (See appendix I)		
V 000,006...		.Not hispanic
V 001,210...		.Mexican, mex-am
V 002,261...		.Puerto Rican
V 003,271...		.Cuban
V 221..230		.Central American
V 231..249		.South American
V 275..289		.Dominican
V 004,200...		
V 209,250...		
		260

V 290..401		.Other Hispanic
DATA	SIZE	BEGIN
D POVERTY	3	41
Person poverty status recode (See appendix B)		
V 000		.N/A
V 001..500		%. Below or above poverty status value
V 501		.501% or more of poverty value
D POB	3	44
Place of birth (Appendix I)		
V 001..056		.FIPS State code (U.S. States and D.C.)
V 060..099		.Puerto Rico (072) or U.S. outlying area
V 100..553		.Foreign country
V 554		.At sea
V 555		.Abroad, not specified
D CITIZEN	1	47
Citizenship		
V 0		.Born in the U.S.
V 1		.Born in Puerto Rico, Guam, and outlying areas
V 2		.Born abroad of American parents
V 3		.U.S. citizen by naturalization
V 4		.Not a citizen of the U.S
D IMMIGR	2	48
Year of entry		
V 00		.Born in the U.S.
V 01		.1987 to 1990
V 02		.1985 to 1986
V 03		.1982 to 1984
V 04		.1980 or 1981
V 05		.1975 to 1979
V 06		.1970 to 1974
V 07		.1965 to 1969
V 08		.1960 to 1964
V 09		.1950 to 1959
V 10		.Before 1950
D SCHOOL	1	50
School enrollment		
V 0		.N/A (less than 3 years old)
V 1		.Not attending school
V 2		.Yes, public school, public college
V 3		.Yes, private school, private college
D YEARSCH	2	51
Educational attainment		
V 00		.N/A (less than 3 years old)
V 01		.No school completed
V 02		.Nursery school
V 03		.Kindergarten
V 04		.1st, 2nd, 3rd, or 4th grade
V 05		.5th, 6th, 7th, or 8th grade
V 06		.9th grade
V 07		.10th grade
V 08		.11th grade
V 09		.12th grade, no diploma
V 10		.High school graduate, diploma or GED
V 11		.Some college, but no degree
V 12		.Associate degree in college, occupational program
V 13		.Associate degree in college, academic program

**1990 PUBLIC USE MICRODATA SAMPLES, U.S. DATA DICTIONARY
PERSON RECORD**

DATA	SIZE	BEGIN
V 14 .Bachelor's degree		
V 15 .Master's degree		
V 16 .Professional degree		
V 17 .Doctorate degree		
D ANCESTRY1 3 53		
Ancestry - first entry (See appendix I)		
V 001..998 .Ancestry codes - first entry		
V 999 .Not reported		
D ANCESTRY2 3 56		
Ancestry - second entry (See appendix I)		
V 000 .No secondary ancestry		
V 001..998 .Ancestry codes		
V 999 .Not reported		
D MOBILITY 1 59		
Mobility status (lived here on April 1, 1985)		
V 0 .N/A (less than 5 years old)		
V 1 .Yes same house (nonmovers)		
V 2 .No, different house (movers)		
D MIGSTATE 2 60		
Migration - State or foreign country code (Appendix I)		
V 00 .N/A (person less than 5 years old/lived in same house in 1985)		
V 01..56 .FIPS state code (U.S. States and D.C.)		
V 72 .Puerto Rico		
V 98 .Other abroad in 1985		
V 99 .State not identified (B sample)		
D MIGPUMA 5 62		
Migration PUMA (state dependent)		
V 00000 .N/A (person less than 5 years old/lived in same house in 1985)		
V 00100..99800 .Migration PUMA * (Not coded to tract level)		
V 99900 .Abroad		
D LANG1 1 67		
Language other than English at home		
V 0 .N/A (less than 5 years old)		
V 1 .Yes, speaks another language		
V 2 .No, speaks only English		
D LANG2 3 68		
Language spoken at home (See appendix I)		
V 000..600 .N/A (less than 5 years old/speaks only English)		
V 601..999 .Specific language codes		
D ENGLISH 1 71		
Ability to speak English		
V 0 .N/A (less than 5 years old/speaks only English)		
V 1 .Very well		
V 2 .Well		
V 3 .Not well		
V 4 .Not at all		

DATA	SIZE	BEGIN
D MILITARY 1 72		
Military service		
V 0 .N/A (less than 16 years old)		
V 1 .Yes, now on active duty		
V 2 .Yes, on active duty in past, but not now		
V 3 .Yes, service in reserves or national guard only		
V 4 .No service		
D RVETSERV 2 73		
Veteran period of service		
V 00 .N/A (less than 16 years old, no active duty)		
V 01 .September 1980 or later only		
V 02 .May 1975 to August 1980 only		
V 03 .May 1975 to August 1980 and September 1980 or later only		
V 04 .Vietnam era, no Korean conflict, no WWII		
V 05 .Vietnam era and Korean conflict, no WWII		
V 06 .Vietnam era and Korean conflict and WWII		
V 07 .February 1955 to July 1964 only		
V 08 .Korean conflict, no Vietnam era, no WWII		
V 09 .Korean conflict and WWII, no Vietnam era		
V 10 .WWII, no Korean conflict, no Vietnam era		
V 11 .Other service		
D SEPT80 1 75		
Served September 1980 or later		
V 0 .(Did not serve this period/less than 16 years old)		
V 1 .Served this period		
D MAY7580 1 76		
Served May 1975 to August 1980		
V 0 .(Did not serve this period/less than 16 years old)		
V 1 .Served this period		
D VIETNAM 1 77		
Served Vietnam era (August 1964 - April 1975)		
V 0 .(Did not serve this period/less than 16 years old)		
V 1 .Served this period		
D FEB55 1 78		
Served February 1955 - July 1964		
V 0 .(Did not serve this period/less than 16 years old)		
V 1 .Served this period		
D KOREAN 1 79		
Served Korean conflict (June 1950 - January 1955)		
V 0 .(Did not serve this period/less than 16 years old)		
V 1 .Served this period		
D WWII 1 80		
Served World War II (September 1940 - July 1947)		
V 0 .(Did not serve this period/less than 16 years old)		
V 1 .Served this period		
D PFILLER2 1 81		
Filler		

**1990 PUBLIC USE MICRODATA SAMPLES, U.S. DATA DICTIONARY
PERSON RECORD**

DATA	SIZE	BEGIN
D OTHRSERV	1	82
Served any other time		
V 0		.Did not serve this period/less than 16 years old
V 1		.Served this period
D YRSSERV	2	83
Years of active duty military service		
V 00		.N/A (less than 16 years/no active duty military service)
V 01		.1 Year or less of service
V 02..49		.2 to 49 years of service
V 50		.50 or more years of service
D DISABL1	1	85
Work limitation status		
V 0		.N/A (less than 16 years, and selected persons in GQs - See appendix C)
V 1		.Yes, limited in kind or amount of work
V 2		.No, not limited
D DISABL2	1	86
Work prevented status		
V 0		.N/A (less than 16 years, and selected persons in GQs - See appendix C)
V 1		.Yes, prevented from working
V 2		.No, not prevented from working
D MOBILIM	1	87
Mobility limitation		
V 0		.N/A (less than 15 years/institutionalized person, and selected persons in GQs - See appendix C)
V 1		.Yes, has a mobility limitation
V 2		.No, does not have a mobility limitation
D PERSCARE	1	88
Personal care limitation		
V 0		.N/A (less than 15 years/institutionalized person, and selected persons in GQs - See appendix C)
V 1		.Yes, has a personal care limitation
V 2		.No, does not have a personal care limitation
D FERTIL	2	89
Number of children ever born		
V 00		.N/A (less than 15 years/male)
V 01		.No children
V 02		.1 Child
V 03		.2 Children
V 04		.3 Children
V 05		.4 Children
V 06		.5 Children
V 07		.6 Children
V 08		.7 Children
V 09		.8 Children
V 10		.9 Children
V 11		.10 Children
V 12		.11 Children
V 13		.12 or more children

DATA	SIZE	BEGIN
D RLABOR	1	91
Employment status recode		
V 0		.N/A (less than 16 years old)
V 1		.Civilian employed, at work
V 2		.Civilian employed, with a job but not at work
V 3		.Unemployed
V 4		.Armed forces, at work
V 5		.Armed forces, with a job but not at work
V 6		.Not in labor force
D WORKLWK	1	92
Worked last week		
V 0		.N/A (less than 16 years old/not at work/unemployed/NILF/Q21A not reported)
V 1		.Worked
V 2		.Did not work
D HOURS	2	93
Hours worked last week		
V 00		.N/A (less than 16 years old/not at work/unemployed/NILF)
V 01..98		.1 to 98 hours worked last week
V 99		.99 or more hours worked last week
D POWSTATE	2	95
Place of work - state - (Appendix I)		
V 00		.N/A (not a worker--not in the labor force, including persons under 16 years; unemployed; employed, with a job but not at work; Armed Forces, with a job but not at work)
V 01-56		.FIPS state code (U.S. States and D.C.)
V 98		.Abroad
V 99		.State not identified
D POWPUMA	5	97
Place of work PUMA (State dependent)		
V 00000		.N/A (not a worker--not in the labor force, including persons under 16 years; unemployed; employed, with a job but not at work; Armed Forces, with a job but not at work)
V 00100..		.PUMA of work * (Not coded to tract level)
V 99800		.PUMA of work * (Not coded to tract level)
V 99900		.Abroad
D MEANS	2	102
Means of transportation to work		
V 00		.N/A (not a worker--not in the labor force, including persons under 16 years; unemployed; employed, with a job but not at work; Armed Forces, with a job but not at work)
V 01		.Car, truck, or van
V 02		.Bus or trolley bus
V 03		.Streetcar or trolley car
V 04		.Subway or elevated
V 05		.Railroad
V 06		.Ferryboat
V 07		.Taxicab
V 08		.Motorcycle
V 09		.Bicycle
V 10		.Walked
V 11		.Worked at home
V 12		.Other method

**1990 PUBLIC USE MICRODATA SAMPLES, U.S. DATA DICTIONARY
PERSON RECORD**

DATA	SIZE	BEGIN	DATA	SIZE	BEGIN
D RIDERS	1	104	D INDUSTRY	3	115
V	0	Vehicle occupancy	V	000	Industry
V		.N/A (not a worker or worker whose means of	V	010..992	.N/A (less than 16 years old/unemployed who
V		transportation to work was not car, truck,			.never worked/nilf who last worked prior to
V		.or van)			.1985)
V	1	.Drove alone			.specific industry codes (see appendix I)
V	2	.2 People	D OCCUP	3	118
V	3	.3 People	V	000	Occupation
V	4	.4 People	V	003..909	.N/A (less than 16 years old/unemployed who
V	5	.5 People			.never worked/nilf who last worked prior to
V	6	.6 People			.1985)
V	7	.7 to 9 people			.specific occupation codes (see appendix I)
V	8	.10 or more people	D CLASS	1	121
D DEPART	4	105	V	0	Class of worker
V	0000	Time of departure for work - hour and minute	V	1	.N/A (less than 16 years old/unemployed who
V	0001..	.N/A (not a worker or worker who worked at	V	2	.never worked/NILF who last worked prior to
		.home)	V	3	.1985)
V	2400	.Time (hour and minute of departure for	V	4	.employee of a private for profit company or
		.work) (2400 midnight)	V	5	.business or of an individual, for wages,
D TRAVTIME	2	109	V	6	.salary, or commissions
V	00	Travel time to work	V	7	.Employee of a private not-for-profit,
V	01..98	.N/A (not a worker or worker who worked at home)	V	8	.tax-exempt, or charitable organization
V	99	.1 to 98 minutes to get to work	V	9	.Local government employee (city, county, etc.)
		.99 Minutes or more to get to work	V		.State government employee
D TMPABSNT	1	111	V		.Federal government employee
V	0	Temporary absence from work	V		.Self-employed in own not incorporated
V	1	.N/A (less than 16 years old/at work/did not	V		.business, professional practice, or farm
V		.report Q25)	V		.Self-employed in own incorporated
V	2	.Yes, on layoff	V		.business, professional practice or farm
V	3	.Yes, on vacation, temporary illness, labor	V		.Working without pay in family business or farm
		.dispute	V		.Unemployed, last worked in 1984 or earlier
V	4	.No	D WORK89	1	122
D LOOKING	1	112	V	0	Worked last year (1989)
V	0	Looking for work	V	1	.N/A (less than 16 years old)
V	1	.N/A (less than 16 years old/at work/did not	V	2	.Worked last year
V		.report Q26A)	V		.Did not work last year
V	2	.Yes	D WEEK89	2	123
V	3	.No	V	00	Weeks worked last year (1989)
D AVAIL	1	113	V	01..52	.N/A (less than 16 years old/did not work in
V	0	Available for work			.1989)
V	1	.N/A (less than 16 years/at work/not looking/			.1 to 52 weeks worked last year
V		.Q26A = 0/did not report Q26B)	D HOUR89	2	125
V	2	.No, already has a job	V	00	Usual hours worked per week last year (1989)
V	3	.No, temporarily ill	V	01..98	.N/A (less than 16 years old/did not work in
V	4	.No, other reasons (in school, etc.)			.1989)
V	5	.Yes, could have taken a job	V	99	.1 To 98 usual hours
D YEARWRK	1	114	V		.99 Or more usual hours
V	0	Year last worked	D REARNING	6	127
V	1	.N/A (less than 16 years old)	V	000000	Total person's earnings
V	2	.1990	V	-19996	.N/A (no earnings)
V	3	.1989	V	-19995..	.Loss of \$19996 or more
V	4	.1988	V	283999	.Total person's earnings in dollars
V	5	.1985 to 1987	V	284000	.N/A (no earnings)
V	6	.1980 to 1984	V	284001+	.Loss of \$19996 or more
V	7	.1979 or earlier			.Total person's earnings in dollars
V		.Never worked			284000 = Topcode
					.State medians included