United States
Environmental Protection
Agency

Office of Air Quality
Planning and Standards
Research Triangle Park NC 27711

EPA-450/2-80-071
March 1980

Air

EPA

Program to Prevent the Significant Deterioration of Carbon Monoxide, Ozone, Hydrocarbons, Nitrogen Dioxide, and Lead

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Program to Prevent the Significant Deterioration of Carbon Monoxide, Ozone, Hydrocarbons, Nitrogen Dioxide, and Lead

by

David R. Dunbar and Roy A. Paul

PEDCo Environmental, Inc.
505 S. Duke Street
Durham, North Carolina 27701

Contract No. 68-01-4147
Task No. 104

EPA Project Officer: Darryl D. Tyler
EPA Subtask C Managers: David Foster and Nancy Mayer

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air, Noise, and Radiation
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

March 1980

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ACKNOWLEDGEMENT

This report was prepared for the U.S. Environmental Protection Agency, Control Programs Development Division, Research Triangle Park, North Carolina, by PEDCo Environmental, Inc., Cincinnati, Ohio.

The project was directed by Mr. George Jutze, and managed by Mr. David Dunbar. Principal authors were Mr. David Dunbar, Mr. Roy Paul, and Mr. James Throgmorton.

Mr. Darryl Tyler was the Project Officer for U.S. EPA and his guidance and cooperation was greatly appreciated. The authors also wish to thank the subtask managers for this effort, Mr. David Foster and Ms. Nancy Mayer, for their cooperation and valuable assistance in completing this effort.

SECTION 1

INTRODUCTION

The 1977 amendments to the Clean Air Act (the Act) affirmed, with some modifications, EPA's regulations for the prevention of significant deterioration (PSD) of air quality for sulfur dioxide (SO_2) and total suspended particulate (TSP). In essence, these regulations limit the allowable deterioration of air quality in any area where the current air quality is better than that specified by the National Ambient Air Quality Standards (NAAQS's). These regulations require each new or modified major stationary source to obtain a preconstruction permit. These regulations basically require that no major stationary source may be constructed unless--

> a permit has been issued to that source;
>
> the owner or operator of the source demonstrates that the emissions from the operation will not cause or contribute to air pollution levels in excess of any maximum allowable increases (i.e., the increments for TSP and SO_2 established under Section 163 of the Act), any NAAQS in any region, or any other applicable emission standard or standard of performance under the Act;
>
> the proposed source is subject to the Best Available Control Technology (BACT) for each pollutant it emits which is subject to regulation under the Act; and
>
> the owner or operator agrees to conduct such monitoring that may be necessary to determine the effect which emissions of this proposed facility may have on air quality.

While the requirement for a source to conduct an air quality impact only applies to TSP and SO_2, the BACT requirement applies to all pollutants regulated under the Act, which of course would include carbon monoxide (CO), volatile organic compounds (VOC) or hydrocarbon (HC), nitrogen oxides (NO_x), and lead (Pb).

Section 166 of the 1977 amendments to the Act further requires the EPA to conduct a study and to promulgate regulations to prevent significant deterioration of air quality resulting from VOC or HC, CO, NO_x, and Pb. The regulations which are to be promulgated shall provide specific numerical measures against which permit applications may be evaluated. The regulations must also provide a framework for stimulating improved control technology, protection of air quality values, and the fulfillment of the goals and purposes of the PSD program which is set forth in Section 160 of the Act. It states:

> . . . to protect public health and welfare from any actual or potential adverse effect which in the Administrator's judgment may reasonably be anticipated to occur from air pollution or from exposures to pollutants in other media, (which pollutants originate as emissions to the ambient air), not withstanding attainment and maintenance of all national ambient air quality standards;
>
> . . . to preserve, protect, and enhance the air quality in national parks, national wilderness areas, national monuments, national seashores, and other areas of special national or regional natural, recreational, scenic, or historic value;
>
> . . . to insure that economic growth will occur in a manner consistent with the preservation of existing clean air resources;
>
> . . . to assure that emissions from any source in any State will not interfere with any portion of the applicable implementation plan to prevent significant deterioration of air quality for any other State; and
>
> . . . to assure that any decision to permit increased air pollution in any area to which this section applies is made only after careful evaluation of all the consequences of such a decision and after adequate procedural opportunities for informed public participation in the decisionmaking process.

The regulations shall also provide specific measures that are at least as effective as the increments established for TSP and SO_2. These measures may include air quality increments, emission density requirements or other measures.

Finally, an area classification plan shall not necessarily be required for CO, VOC, NO_x, and Pb if the States can provide measures which, when considered as a whole, will carry out the basic purposes of the Act at least as effectively as an area classification plan for TSP and SO_2.

SECTION 2

ISSUES AND ALTERNATIVES

Two of the major elements in the development of the PSD program for VOC or HC, CO, NO_x, and Pb are the identification and evaluation of various alternatives which may be used to implement the PSD program. Additionally, a number of issues have been identified and need to be resolved in order for the PSD program to be effectively carried out.

2.1 ALTERNATIVES

Eleven alternatives have been identified to date for possible consideration in the development of the PSD program.

Emission Controls Only. This system would rely primarily on the requirements for BACT on major new stationary sources and the Federal standards for motor vehicle emissions with the possible addition of inspection and maintenance requirements. Control requirements under this system would not vary as a function of ambient concentrations or the proximity of sources so long as the National Ambient Air Quality Standards were not violated.

Ambient Air Quality Increments. This would call for developing an area classification system establishing numerical limits for allowable ambient air quality degradation. This system would be similar to that already in effect for TSP and SO_2 but not now applicable to VOC, CO, NO_x and Pb.

Emission Density Zoning (EDZ). An EDZ system would set theoretical air quality increments to serve as a guideline for establishing maximum allowable emission limits per unit land area. Once these limits were eatablished, emission limits rather than ambient air quality would determine all preconstruction review and enforcement actions under PSD.

Inventory Management. This system would emphasize the process of local citizen participation in decisions affecting environmental quality. It would require State and local agencies to develop and maintain detailed emission inventories and provide for mandatory periodic public review whenever the local emission inventory increased by a preestablished quantity or percentage. This public review would be required prior to allowing any further incremental increase in emissions and could include an environmental analysis, a public education program, a public hearing, and a vote by elected officials from the potentially impacted area.

Statewide Emission Limitation (Bubble). This system would set areawide emission limitations to insure that there would be no net increases in emissions. This area could be defined as a State, a portion of a State or possibly more than one State. Every local increase (after some fixed time) would require an offsetting decrease somewhere else within the defined area.

Avoidance of Co-located HC and NO_x Sources. This approach would prevent significant deterioration resulting from the formation of ozone. Such a program would focus special attention on the HC/NO_x ratio and prevent the juxtaposition of HC and NO_x sources within a certain fixed distance of each other.

Emission Fees. A fee system would strengthen the requirements for BACT on new major stationary sources. A fee levied against each source based on its quantity of emissions would provide the source an incentive to develop and incorporate new technology.

Marketable Permits. Marketable permits establish a permit to emit a certain fixed quantity of emissions and allow that permit to be bought and sold in the market. Like an emission fee system, the cost of these permits provides an incentive to the source to minimize the quantity of emissions. Furthermore, limiting the number of marketable permits within an area can regulate the exact quantity of emissions within that area.

De minimis Level. This alternative would not require PSD review in areas that show air quality concentrations and/or emissions below a certain, *de minimis*, level. This would eliminate periodic assessments in undeveloped areas.

Transportation BACT. This alternative would require means to reduce emissions associated with motor vehicle related sources. These means could involve specifications for road systems or performance standards for public transportation systems, such as specified levels of service for public transportation. Additional criteria for existing transportation processes could also be considered.

Federal Indirect Source Review. PSD review would be conducted for all Federally funded or assisted indirect sources and all Federally-owned or operated indirect sources.

A detailed discussion of each alternative is in Appendix A.

To evaluate or compare these alternatives, specific objective criteria must be developed. These criteria include:

Technical feasibility

Economic feasibility

Legal feasibility

Does the alternative meet basic objective of the Act

Administrative feasibility

Compatibility with current program

Public participation

Administrative costs

Political feasibility

Air quality impact

A detailed discussion of the criteria recommended for use in evaluating the above alternatives is in Appendix B.

2.2 ISSUES

In attempting to comply with the basic goals and objectives of the Act regarding the PSD program and to implement a number of the above-identified alternatives, thirteen significant issues have been identified to date as being critical to the development of the PSD program for VOC or HC, CO, NO_x, and Pb.

How should the baseline be defined? What should be the baseline date? What actions would be counted in determining increment consumption? How would the various alternatives affect industrial, commercial and other sources?

How can these regulations best protect air quality in pristine areas against significant deterioration in situations where emissions from indirect sources represent the most significant threat?

What type of additional control requirements could or should these regulations require for mobile sources? What should be the balance between control of mobile sources versus stationary sources?

Given the difficulty of modeling many of the Set II pollutants, what type and level of detail of modeling can or should EPA or a State require?

How much preconstruction monitoring should EPA or a State require? How much post-construction monitoring?

What size and type of sources should be subject to preconstruction review?

What size areas would be most appropriate under an emission density zoning system? Under an increment system?

How much consistency should be required between PSD Set II and other programs, specifically, PSD Set I, New Source Review/Nonattainment and Visibility? What is the true extent of attainment vs. nonattainment areas and how will this affect the PSD Set II program?

How will Class I areas and surrounding areas which impact them best be treated?

What level of detail will be most appropriate for Federal regulations promulgated under this program and what degree of flexibility should be left to the States?

How should regulations handle increment allocation when an area covers two or more States?

What methodologies, other than first-come-first-served, exist for determining increment allocation?

How much data are available for rural areas? Which alternatives would only need existing data and which would require substantially more data than are currently available? What degree of accuracy is necessary for rural emission inventories?

A detailed discussion of each of these issues is in Appendix C. This discussion includes: (1) the major implications, (2) the pros and cons, and (3) a recommendation regarding the resolution of each issue.

SECTION 3

AN OVERVIEW OF COUNTIES AFFECTED BY THE PSD PROGRAM FOR VOC OR HC, O_3, NO_x, CO AND Pb

The PSD program for VOC or HC, NO_x, O_3, CO, and Pb will affect where companies choose to locate new plants and how much pollution control will be required in various geographic areas. This overview summarizes the pertinent data with respect to these areas so that some evaluation can be made regarding the geographic extent and character of the areas where the PSD program for VOC or HC, O_3, CO, NO_x and Pb will apply. The areas are characterized by using various economic, environmental, meteorologic and topographic indicators. Some of the characteristics are presented on maps while others are in a series of tables in Appendices G, H, I, and J.

The areas affected by the PSD program are of those which are not currently attaining the NAAQS's. The counties which are officially recognized by EPA as nonattainment areas either in whole or in part are blacked in on the maps (Figures 1, 4, and 7); these will not generally be affected by the PSD program for that pollutant as the more restrictive provisions dealing with nonattainment would apply.

In addition, PSD would not generally apply in areas which become nonattainment in the future. In order to assess the possible extent of "suspected" nonattainment areas, all the 1977-78 data for each of the above pollutants that have been reported to EPA were reviewed. In some instances, the data would lead an observer to suspect that the NAAQS was exceeded during 1977-78. Since the significance of each observation could not be analyzed in detail, suspected areas do not necessarily represent areas which will be officially designated as nonattainment in the future. In some cases, the air quality may be improving. As shown on the maps, suspected nonattainment areas are not extensive and do not further limit the PSD program to any great extent. The specific names of the counties which are designated as nonattainment or are suspected of being nonattainment can be obtained from the air quality data summary in Appendix D (areas designated as nonattainment are noted with an asterisk).

Since air quality data were not available for all areas of the country and there is a need to determine what the baseline air quality might be for an area along with an assessment of the potential for the area to have future air quality problems, information was obtained on the current emissions levels associated with these pollutants and on certain meteorological and topographical characteristics in order to provide some indication of the pollution potential for all areas of the country. By reviewing the amount of emissions and the general topographic features for an area, and assessing the potential for certain meteorological conditions to excess which are conductive to formation of air pollution, one can obtain an indication of which areas may be most affected by a PSD program.

This assessment can be further refined by reviewing the economic indicators to determine where future growth may occur. If growth is predicted for areas with already high air pollution levels or for areas where a high pollution potential exists, there is a possibility that certain environmental and economic impacts could occur in these areas as a result of implementing a PSD program and a more detailed assessment would be needed.

The following sections by utilizing the above referenced material, present a general summary by pollutant of the areas which are expected to be impacted by the PSD program for VOC or HC, O_3, CO, NO_x and Pb.

Information is also presented on the indicators which were used along with the associated methodology to present these indicators in a format which could be used to evaluate the environmental and economic impact of the PSD program for VOC or HC, O_3, CO, NO_x and Pb as part of a followup effort.

3.1 OZONE

The PSD program for O_3 will affect a major portion of the United States with its biggest impact in the southern and western states. Areas that are not currently attaining the 0.12 ppm O_3 standard lie principally in the northeastern states and in California, with scattered areas in the southeast and middle western states (Figure 1). Nonattainment areas for O_3 tend to be centered around highly developed urban regions.

One of the meteorological indicators pertinent to O_3 formation is the intensity of solar radiation. As shown on Figure 2, the average annual solar radiation ranges from less than 300 to over 500 langley. The southern portion of the United States, from California to North Carolina, lies in a zone of relatively high solar radiation. Southern California, Arizona, and New Mexico lie in the areas of highest solar radiation, but nonattainment counties are only in or near the urbanized portions of these states. The PSD program will limit the growth of certain VOC or HC sources, and thereby limit the future ambient concentrations of O_3.

In addition to being in a zone of relatively high solar radiation, the southern portion of the United States, as can be

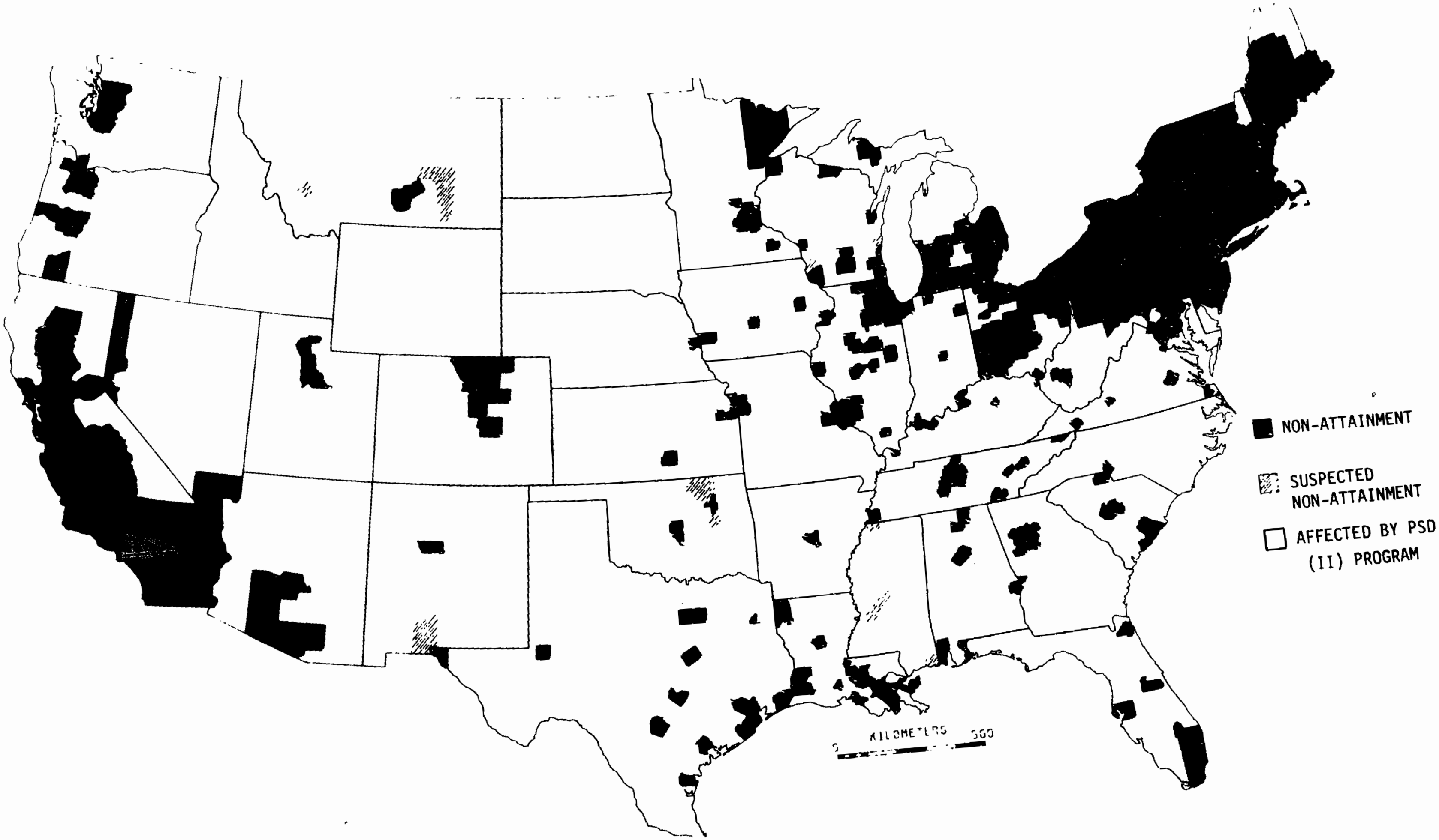

Figure 1. Counties Affected by PSD Program for O_3

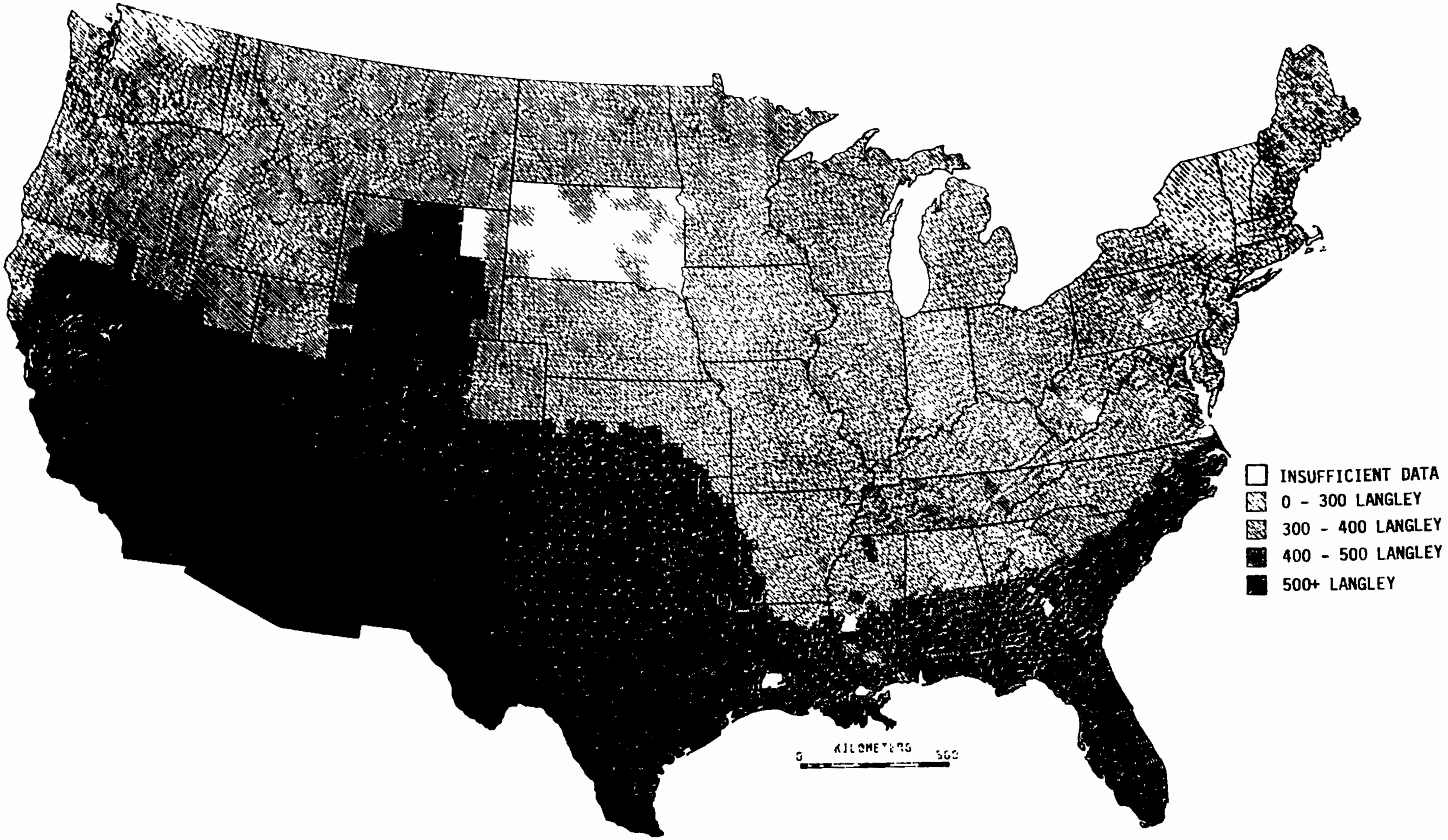

Figure 2. Average Annual Solar Radiation

seen from Figure 3,[1] also has a relatively high percentage of days with surface based or elevated inversions below 3000 m. Given these two facts, the southern portion of the United States does have the potential, given significant amounts of VOC emissions, to form ozone. Additionally, while many of the counties in the southern United States presently have low VOC emissions (see Appendix I), the economic indicators are such that future growth and emissions can be expected and the current emission levels will be increased. Therefore, the PSD program for ozone will have an impact upon these states and additional efforts should focus on this area in terms of the possible environmental and economic impacts which may result from a PSD program.

3.2 NITROGEN DIOXIDE AND NONMETHANE HYDROCARBONS

Figure 4 shows the few U.S. counties which are presently designated as nonattainment (in whole or in part) for NO_2 under the present standard of 0.05 ppm (100 $\mu g/m^3$), annual arithmetic mean. This standard was set on the basis of the direct health effects of NO_2, rather than the indirect contribution of NO_2 in the formation of O_3. Therefore there is very little correlation between the counties that are nonattainment for O_3 and the counties that are nonattainment for NO_2. In the case of nonmethane hydrocarbons (NMHC), no NAAQS has been set, so there are no nonattainment counties.

The counties which will be affected by this PSD program comprise essentially the entire country, with the exception of the few counties shown. Therefore the PSD program for NO_2 will have a relatively large impact in terms of geographic coverage.

Ambient concentrations of NO_2, and other gaseous pollutants are determined by the emission rates and by local meteorology and topography. Local terrain (Figure 5) is highly varied across the country--ranging from plains and tablelands along the south Atlantic coast and mid-western plateau to hills and mountains across the western states. The local relief (the difference between the highest and lowest points in a county) varies in a similar manner--ranging from 300 feet along the south Atlantic coast to over 3000 feet in the mountainous regions of the Western States (Figure 6). These wide ranges in topographical features with accompanying wide ranges in meteorological conditions (see Appendix H), mean that the effects of emissions from a specific plant cannot be presumed; the effects should be determined from a study within a specific locality on a case-by-case basis.

3.3 CARBON MONOXIDE

High levels of CO tend to represent highly localized conditions within a few hundred meters of major transportation arteries. The counties that contain localized areas of nonattainment and the counties where air quality data suggests nonattainment

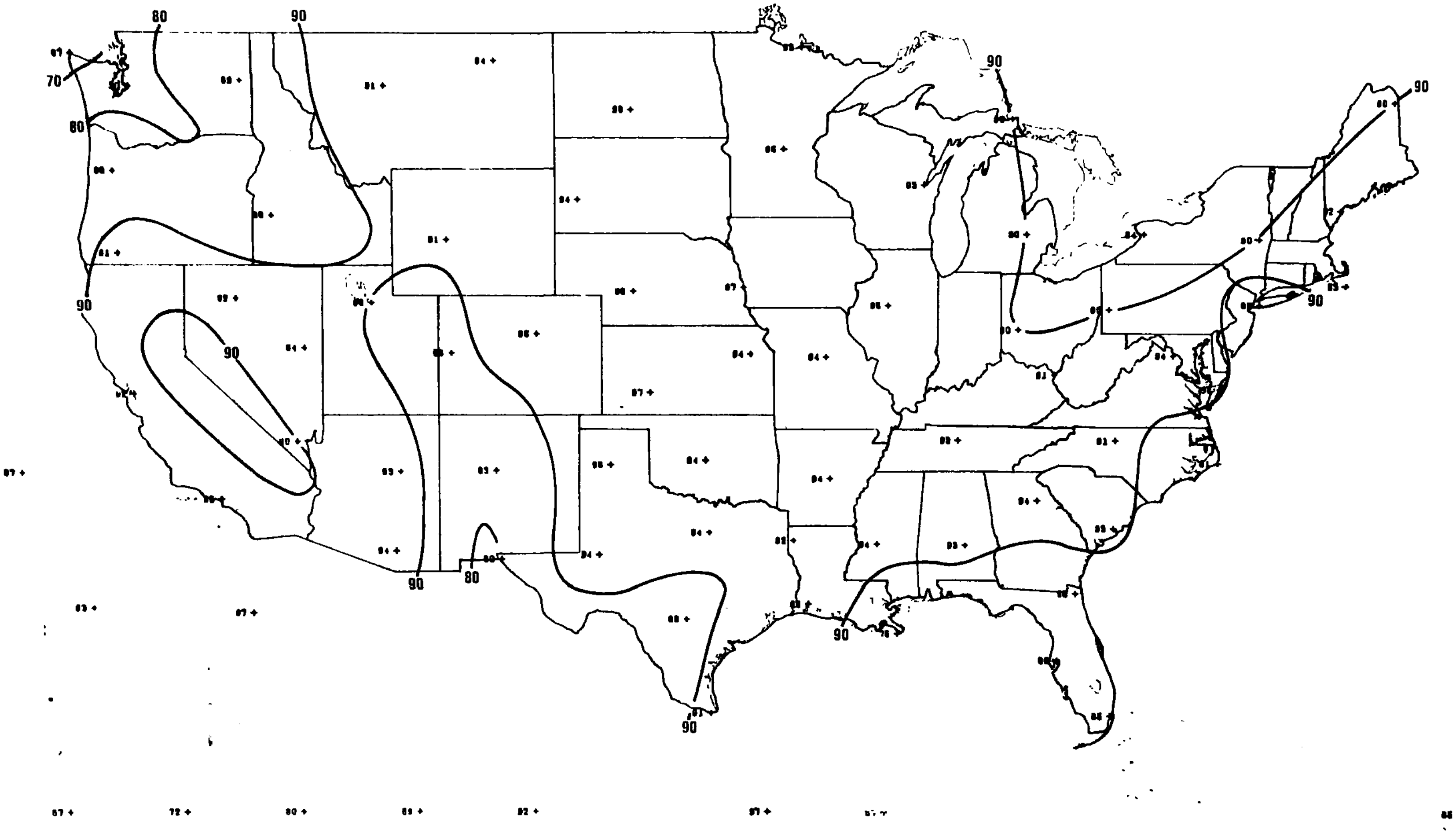

Figure 3. Percentage of all 1115 GMT Soundings with a Surface-based or Elevated Inversion Below 3000 m AGL

Figure 4. Counties Affected by PSD Program for NO_2

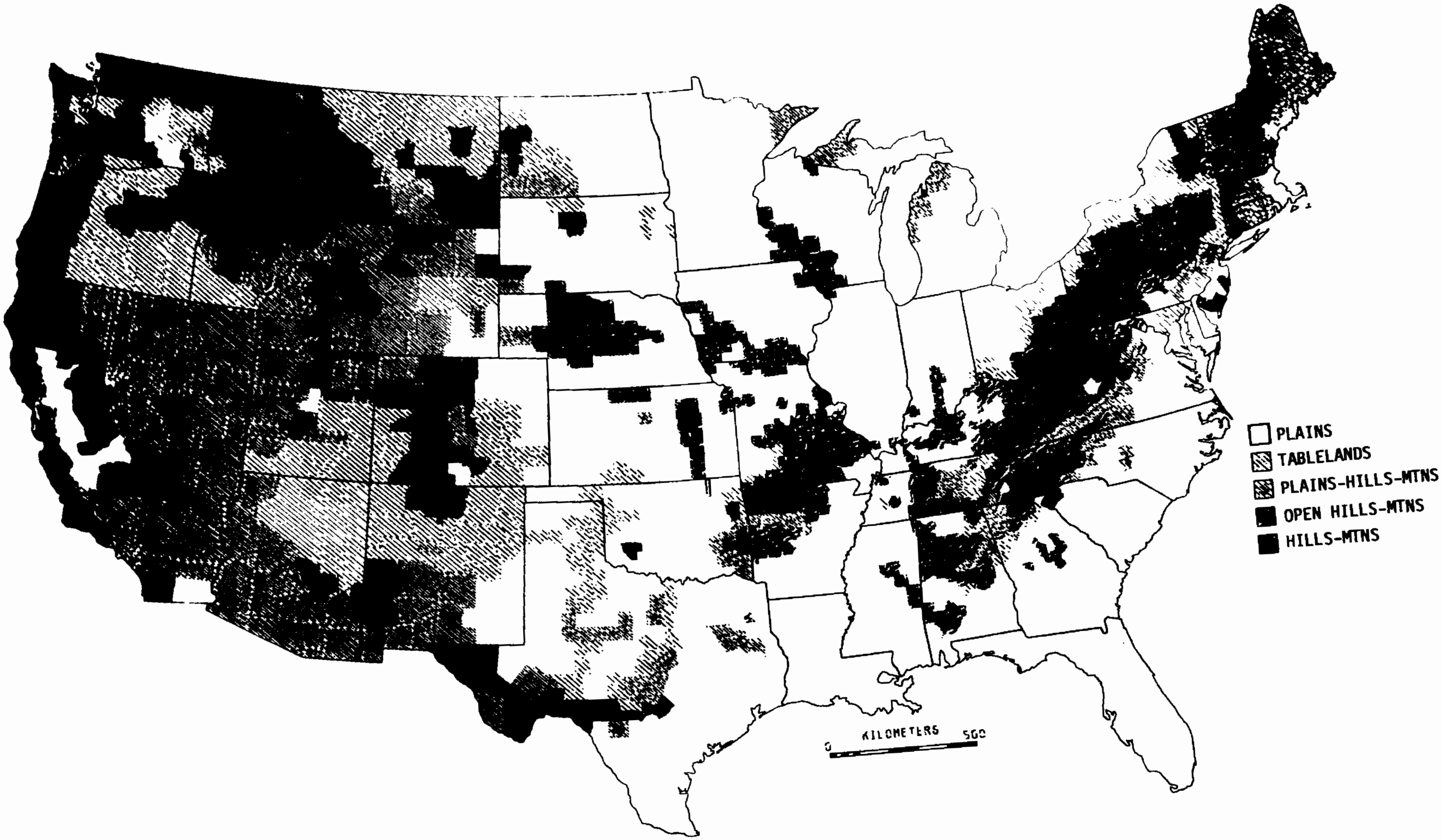

Figure 5. Local Terrain by County

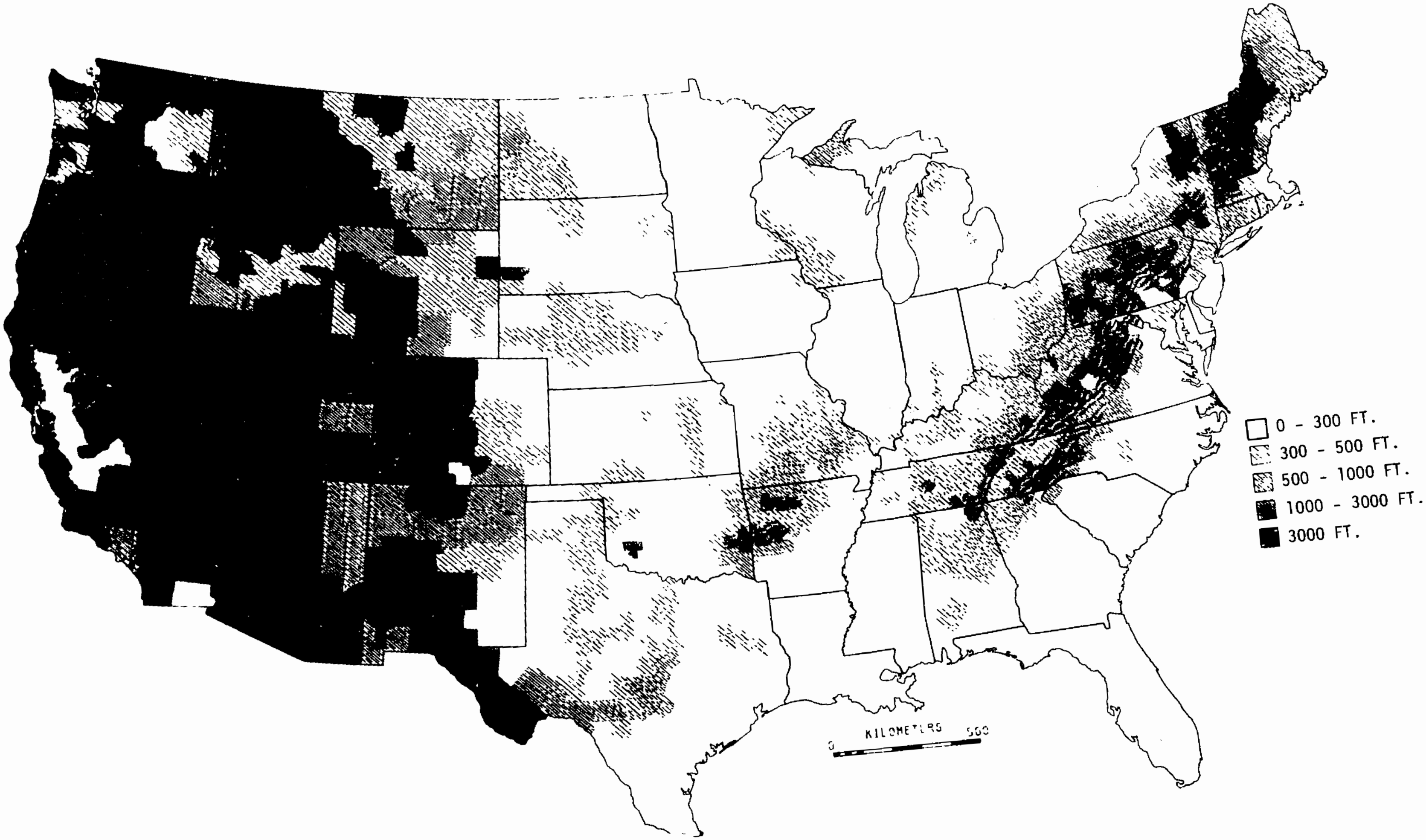

Figure 6. Local Relief by County

are shown in Figure 7. However because these areas are not extensive, a large majority of the country will be affected by the PSD program for CO.

The comments outlined above concerning other gaseous pollutants also pertain to CO except that CO has the highest percentage of emissions from motor vehicles than any of the other pollutants. Additionally, there are very few large point sources of CO, thus the program for CO would have its greatest impact in and around areas which are expected to have increased emissions due to new highways, airports, etc.

3.4 LEAD

At the present time there are no U.S. counties which are officially recognized as nonattainment areas for Pb. Plans for the control of this pollutant are currently being developed by the States and reviewed by EPA. Therefore, detailed emissions data are not readily available for Pb on a county or AQCR basis. Appendix J does provide a summary of the Pb emissions for the United States and maps showing the location of major existing stationary sources of Pb emissions. As the Pb State Implementation Plans (SIP) are developed and data is entered into the NEDS and Hazardous and Trace Element Materials System (HATREMS) system, data on Pb emissions by county should become more readily available. Additionally, while air quality data does exist for Pb it is fairly limited. However, the data that does exist suggests that only certain counties will become nonattainment in the future and that most of the country will therefore be affected by the PSD program for Pb (Figure 8). Appendix J presents a summary of the Pb air quality data for some of the major areas of the country.

3.5 COUNTY PROFILES

The table entitled "Economic Profiles of Counties" in Appendix G may be used to review the growth and development occurring across the United States. Counties undergoing development are more affected by the PSD program than stable or declining counties because developing counties are attracting the types of sources that require review to determine their impacts on air quality. The following explanations will assist in interpreting the table in Appendix G; an example of which is shown in Figure 9.

The first column of the table lists the names of the states, their two-letter zip codes, and the counties within the state. The second column (1970 population) is self-explanatory. The third column (Pct chg 1975) is the change in population; a minus sign (-) preceding this number means that the population declined during the 5-year period at the rate shown. The fourth column (Pct urb 1970) lists the percentage of population in the county

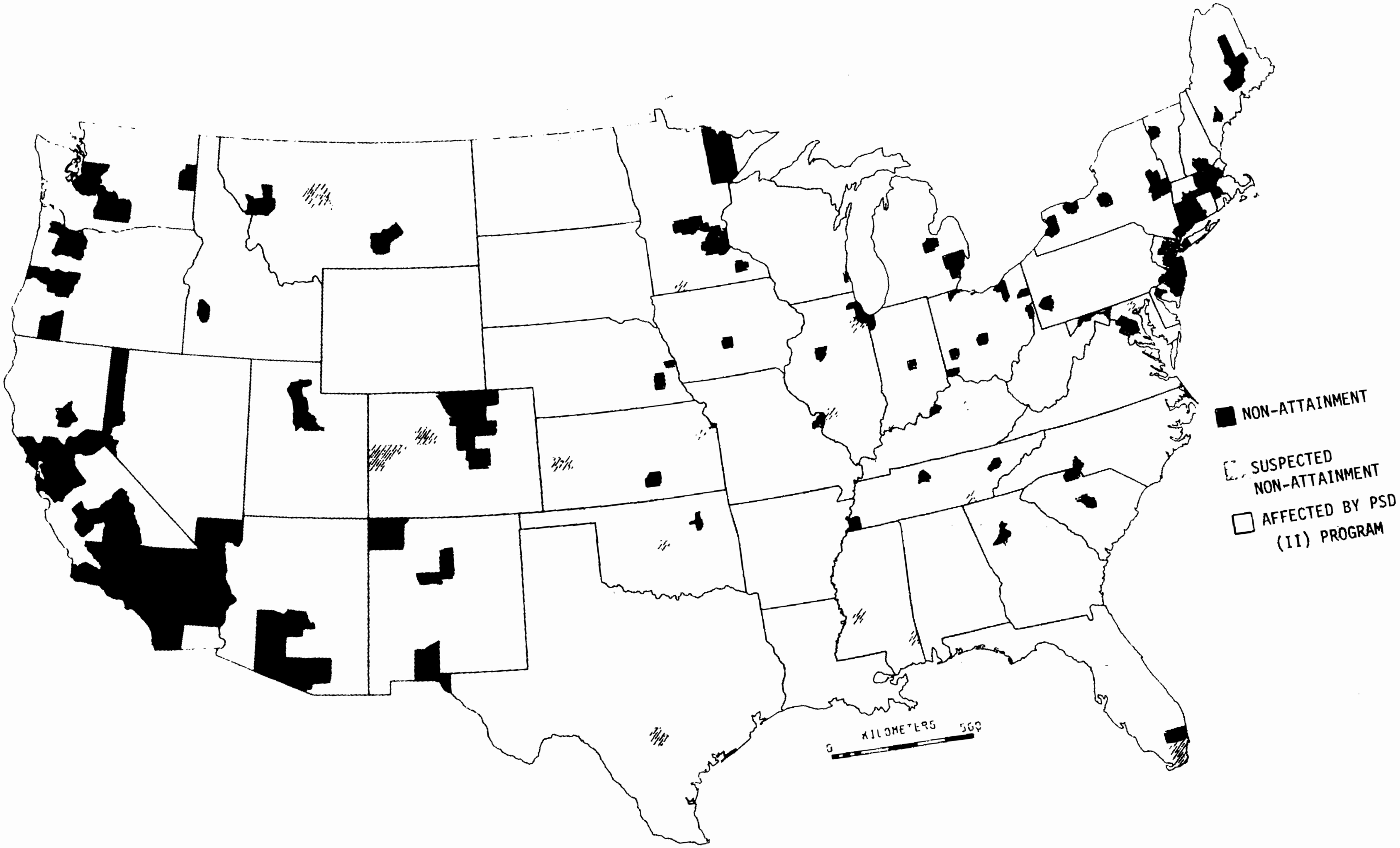

Figure 7. Counties Affected by PSD Program for CO

Figure 8. Counties Affected by PSD Program for Pb

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
AL	ALABAMA	3,444,354	4.9	58.4	1,249,195	6	28	7	9	17
	AUTAUGA	24,460	16.9	53.6	8,340	8	25	5	9	16
	BALDWIN	59,382	14.2	26.6	21,394	7	26	5	9	15
	BARBOUR	22,543	10.9	40.4	8,183	6	28	6	13	15
	BIBB	13,812	4.5	0.0	4,654	5	43	5	6	13
	BLOUNT	26,853	17.7	16.5	9,558	9	35	4	5	12
	BULLOCK	11,824	- 5.0	36.3	3,685	7	23	5	11	16
	BUTLER	22,007	- 1.6	36.5	8,045	6	37	6	10	12
	CALHOUN	103,092	3.2	64.5	36,727	5	31	8	7	23
	CHAMBERS	36,356	0.4	44.1	15,240	5	59	3	8	7
	CHEROKEE	15,606	14.0	0.0	5,935	8	40	5	4	12
	CHILTON	25,180	10.9	23.3	8,583	14	29	4	6	13
	CHOCTAW	16,589	3.2	0.0	4,895	6	49	4	7	10
	CLARKE	26,724	2.7	37.1	8,624	7	41	5	8	14
	CLAY	12,636	4.2	0.0	4,677	4	44	5	7	15
	CLEBURNE	10,996	6.2	27.3	4,199	5	54	3	4	16
	COFFEE	34,872	- 0.1	58.0	12,705	6	23	8	9	20
	COLBERT	49,632	0.9	58.0	17,515	6	32	6	8	21
	CONECUH	15,645	0.8	25.1	5,287	6	39	7	8	17
	COOSA	10,662	4.1	0.0	3,969	5	47	5	7	14
	COVINGTON	34,079	2.6	56.9	13,440	6	35	5	6	12
	CRENSHAW	13,188	5.2	0.0	4,659	5	32	5	8	12
	CULLMAN	52,445	10.3	24.0	19,409	8	32	7	6	11
	DALE	52,995	- 15.7	62.2	11,205	6	17	6	8	24
	DALLAS	55,296	3.7	49.5	17,464	5	22	7	12	17
	DE KALB	41,981	16.1	20.1	14,533	9	38	4	5	11
	ELMORE	33,661	16.1	21.3	12,081	9	24	5	9	16
	ESCAMBIA	34,912	7.1	43.1	11,951	6	32	6	9	15
	ETOWAH	94,144	1.3	72.0	34,774	5	35	6	8	11
	FAYETTE	16,252	3.3	29.1	6,162	7	46	4	6	12
	FRANKLIN	23,933	9.8	32.6	8,650	6	41	5	6	14
	GENEVA	21,924	7.0	33.0	8,710	6	28	6	8	15
	GREENE	10,650	- 3.4	26.3	2,877	8	19	9	11	22
	HALE	15,888	- 3.1	21.2	4,402	8	28	8	11	22
	HENRY	13,254	8.0	42.9	4,685	10	28	5	9	16
	HOUSTON	56,574	22.5	64.9	22,897	8	21	5	9	13
	JACKSON	39,202	18.2	31.3	14,379	9	42	5	5	16
	JEFFERSON	644,991	0.2	88.4	248,269	5	24	6	9	13
	LAMAR	14,335	9.9	0.0	5,598	10	46	3	3	13
	LAUDERDALE	68,111	7.9	50.0	25,073	7	28	7	8	20
	LAWRENCE	27,281	1.4	0.0	9,494	13	36	5	6	17
	LEE	61,268	12.3	68.2	23,762	4	29	20	9	27
	LIMESTONE	41,699	4.3	34.4	15,345	9	26	7	8	23
	LOWNDES	12,897	0.1	0.0	3,464	16	16	8	11	21
	MACON	24,841	4.0	44.4	7,486	7	12	23	10	32
	MADISON	186,540	- 1.6	78.6	70,481	4	23	8	9	31
	MARENGO	23,819	- 1.6	43.5	7,703	5	36	6	11	15
	MARION	23,788	14.6	26.5	8,965	5	50	4	5	12
	MARSHALL	54,211	9.1	48.5	20,099	7	32	4	7	18

Figure 9. Example of Economic Profile Table in Appendix G

that resides within an urbanized area; an urbanized area as defined by the Bureau of the Census (BOC) contains residential, commercial, or industrial developments, but does not necessarily correspond to the boundaries of incorporated municipalities.

The fifth column (Civilian labor force) shows the number of nonmilitary persons residing in the county who were known to be employed as of the 1970 Census of population. Subsequent columns show the percentage distribution of the labor force in selected types of economic activity: construction (CONS), manufacturing (MFG), education (EDU), services (SVC), and government (GOV). Because all types of employment were not listed, these columns do not total 100 percent.

The sectors of the economy that are listed in census data are the most significant sources of employment data nationwide, but they do not necessarily encompass all forms of employment in every county. The construction (CONS) sector is of special interest because a high proportion of employment in this industry may indicate the influx of new or expanded industrial plants which could be affected by the PSD program requirements. The manufacturing (MFG) sector is of interest because it provides some indication of the industrial development which is already located in the area. In some instances, census data may not reflect the actual economic activity within the county, because persons residing in one county may be commuting to employment in a different county which would not be reflected in the above data.

One indicator alone may not be sufficient to characterize the level of economic activity in a county. Where two or three indicators in combination suggest a high level of economic activity, then it is very likely that development is taking place. For example, the profile for Mohave County, Arizona, shows a high growth rate (44.5%) suggestive of a high degree of development, even though the 1970 population is only 25,857. With 9,512 persons in the work force, a reasonable proportion (36.8%) of persons is employed; relatively high proportions are in construction (19%), services (11%), and government (16%). A glance at a state map shows Mohave County to be a large rural county in western Arizona with no large towns or cities. It contains some Federal lands such as the Lake Mead National Recreation Area, and it is near the Grand Canyon National Park. The economic profile shows Mohave County to be a growing rural county, even though its population level did not suggest any major development at the time of reporting. However, some major power facilities are located in this area which could cause the area to be significantly impacted by the PSD program if additional units to these facilities would be proposed.

The table entitled "Topographical and Meteorological Profiles of Counties" in Appendix H may be used as a rough guide to identify areas that have a potential for air pollution problems if a high level of emissions are present in the county. The first column (Figure 10) lists the names of the States, their two-letter zip codes, and counties within each State. The second column gives the area of the county in square miles. Column 3 (Land surface forms) is a brief statement of the general topography of the county. The term "plains" generally indicates land with little change in elevation and land that is expected to be well ventilated. The terms "plains-hills-mountains (mtns)" and "hills-mountains" indicate increasingly varied topography with increased opportunities to trap localized pollutants within valleys or ravines. "Open hills" refers to a lack of vegetation; this land may or may not affect ventilation. The fourth column (Local relief) is another indicator of the variety or contrast in local terrain; this indicator describes the difference between the highest and lowest elevations (feet) in the county. Each county is classified as 0-300, 300-500, 500-1000, 1000-3000, 3000-5000, or 5000 + feet. The fifth column (Frequency of instability) refers to the Pasquill stability classes, which are commonly used to calculate the dispersion of gaseous pollutants from sources of pollution; in these tables, instability means Pasquill stability classes A and B, which are frequently associated with good dispersion. Each county is classified according to the proportion of days when "unstable" conditions occur: 6-15, 16-25, or 26-35 percent. The last column (Radiat) lists the intensity of solar radiation in langleys (1 langley is equivalent to 1 gram-calorie per square centimeter of irradiated surface.) Solar radiation is a significant factor in the formation of O_3.

In addition to the information presented in the fifth column Figures H-1 and H-2 present information on the percent frequency of neutral and stable conditions across the United States. These maps provide an indication of where poor dispersion is expected to occur. Figure H-3 also provides an indication of the dispersion characteristics for an area, as it presents the percentage of all 1115 GMT soundings with a surface based or elevated inversion below 3000 M AGL. Also included in Appendix H is a map (Figure H-4) which presents the mean number of days with maximum temperature of 90°F or above. This data provides some additional information regarding those areas where ozone formation is likely to occur. Maps showing the counties for all 50 states are included in Appendix H so that the information presented in Figures H-1 to H-4 can be interpretated on an individual county basis if desired.

The profiles and the maps were taken from various summaries of data at the national level. Accuracy varies from good to poor. The profiles can provide only a first-order review; a more detailed study must be conducted for individual counties before any decisions can be made regarding the impact that future regulatory requirements will have on a particular area.

The table in Appendix I entitled "Emission Profiles of Counties" can be used to review the levels of VOC, NO_x, and CO emissions across the country. The present emissions represent a

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
	ALABAMA	50,708				
AL	AUTAUGA	599	TABLELANDS	0- 300	6-15	4-500
AL	BALDWIN	1,578	PLAINS	0- 300	6-15	4-500
AL	BARBOUR	891	PLAINS	0- 300	6-15	4-500
AL	BIBB	625	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	BLOUNT	639	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	BULLOCK	615	PLAINS	0- 300	16-25	4-500
AL	BUTLER	773	PLAINS	0- 300	6-15	4-500
AL	CALHOUN	611	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
AL	CHAMBERS	597	PLAINS	0- 300	6-15	4-500
AL	CHEROKEE	556	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
AL	CHILTON	699	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	CHOCTAW	911	OPEN-HILLS-MTNS	0- 300	6-15	4-500
AL	CLARKE	1,232	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	CLAY	603	OPEN-HILLS-MTNS	5-1000	6-15	3-400
AL	CLEBURNE	574	OPEN-HILLS-MTNS	5-1000	6-15	3-400
AL	COFFEE	677	PLAINS	0- 300	16-25	4-500
AL	COLBERT	596	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	CONECUH	850	PLAINS	0- 300	6-15	4-500
AL	COOSA	650	OPEN-HILLS-MTNS	5-1000	6-15	4-500
AL	COVINGTON	984	PLAINS	0- 300	6-15	4-500
AL	CRENSHAW	611	PLAINS	0- 300	6-15	4-500
AL	CULLMAN	730	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	DALE	559	PLAINS	0- 300	16-25	4-500
AL	DALLAS	976	PLAINS	0- 300	6-15	4-500
AL	DE KALB	778	TABLELANDS	5-1000	6-15	3-400
AL	ELMORE	624	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	ESCAMBIA	962	PLAINS	0- 300	6-15	4-500
AL	ETOWAH	555	OPEN-HILLS-MTNS	5-1000	6-15	3-400
AL	FAYETTE	627	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	FRANKLIN	644	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	GENEVA	577	PLAINS	0- 300	16-25	4-500
AL	GREENE	627	PLAINS	0- 300	6-15	4-500
AL	HALE	662	PLAINS	0- 300	6-15	4-500
AL	HENRY	554	PLAINS	0- 300	16-25	4-500
AL	HOUSTON	575	PLAINS	0- 300	16-25	4-500
AL	JACKSON	1,079	OPEN-HILLS-MTNS	1-3000	6-15	3-400
AL	JEFFERSON	1,115	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	LAMAR	605	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AL	LAUDERDALE	662	PLAINS	0- 300	6-15	3-400
AL	LAWRENCE	685	PLAINS	0- 300	6-15	3-400
AL	LEE	612	PLAINS	0- 300	16-25	4-500
AL	LIMESTONE	546	PLAINS	0- 300	6-15	3-400
AL	LOWNDES	715	PLAINS	0- 300	6-15	4-500
AL	MACON	616	PLAINS	0- 300	16-25	4-500
AL	MADISON	803	PLAINS	0- 300	6-15	3-400
AL	MARENGO	978	PLAINS	0- 300	6-15	4-500
AL	MARION	743	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AL	MARSHALL	571	TABLELANDS	5-1000	6-15	3-400

Figure 10. Example of Topographical and Meteorological Profile Table in Appendix H

base level which should not increase significantly if deterioration of the present air quality is to be prevented.

The first column of the table (an example is presented in Figure 11) lists the State SAROAD codes and the names of the counties. Subsequent columns, expressed in tons per year, list the total point-source emissions from the county, the total area-source emissions, and the total of both of these types of emissions. The point-source entries represent the sum of emissions in the county that has been computed for each point-source. The area-source entries represent the estimates of smaller less significant emission sources. The accuracy of all data is dependent the accuracy and timeliness of the estimates reported to the National Aerometric Data Bank (NADB) by local units of government. Also included in Appendix I is a table of the State alphabetical and numerical codes.

3.6 METHODOLOGY

The processing of data, the drawing of maps, and the compiling of tables were accomplished with the UNIVAC 1110 computer and with peripheral facilities available through the U.S. EPA at Research Triangle Park, North Carolina. The maps were drawn by a plotter device using a computer program called US-SHADE. Base data on computer tapes, discs, or card files were obtained through the Strategies and Air Standards Division (SASD), Office of Air Quality Planning and Standards (OAQPS), U.S. EPA, and through the computer programming aids from SASD.

COBOL programs were written to read base data files and to write the reports called County Profiles. The programming process was aided by the symbolic stream generators (SSG) called COMPILE, that were developed by Mr. George Duggan of SASD.[3] The COMPILE program is a comprehensive runstream for expediting the precompilation, compilation, debugging, mapping, and execution of COBOL, FORTRAN, and PL-1 computer programs. It provides access to three precompilers and five compilers, depending on the programming language employed. The precompiler for this report was the SCORE-IV system;[4] it was adapted for use on the UNIVAC 1100 series at EPA. The compiler used was the @ACOB program, which is on-line at the National Computer Center (NCC). The mapping of the program was carried out using the @MAP processor, which is also on-line at NCC.

The source of census data was a computer tape compiled by BOC and obtained by SASD for use at EPA. It contains a county-by-county summary of population, economic, housing, employment, and other data collected by the Bureau from 1947 to 1975. It includes data from census of population, census of manufacturing, and interim surveys. Each county record contains 1,354 items of data represented by 10,380 symbolic characters on the magnetic tape, one record for each of the 3,145 counties plus States and special districts. The definition of this file, written by

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
01 AUTAUGA CO	POINT	132.	1,914.	6,840.
	AREA	2,921.	1,577.	14,310.
	TOTAL	3,053.	3,491.	21,150.
01 BALDWIN CO	POINT	10.	5.	1.
	AREA	10,188.	5,590.	45,064.
	TOTAL	10,198.	5,595.	45,065.
01 BARBOUR CO	POINT	305.	145.	29.
	AREA	3,278.	1,711.	16,899.
	TOTAL	3,583.	1,856.	16,928.
01 BIBB CO	POINT	0.	0.	0.
	AREA	1,683.	1,309.	8,343.
	TOTAL	1,683.	1,309.	8,343.
01 BLOUNT CO	POINT	0.	0.	0.
	AREA	3,333.	2,141.	15,894.
	TOTAL	3,333.	2,141.	15,894.
01 BULLOCK CO	POINT	0.	0.	0.
	AREA	1,602.	744.	7,813.
	TOTAL	1,602.	744.	7,813.
01 BUTLER CO	POINT	188.	941.	188.
	AREA	3,055.	1,469.	13,532.
	TOTAL	3,243.	2,410.	13,720.
01 CALHOUN CO	POINT	38.	233.	7,311.
	AREA	12,292.	6,219.	59,244.
	TOTAL	12,330.	6,452.	66,555.
01 CHAMBERS CO	POINT	20.	452.	50.
	AREA	5,215.	2,496.	22,140.
	TOTAL	5,235.	2,948.	22,190.
01 CHEROKEE CO	POINT	0.	0.	0.
	AREA	2,185.	1,411.	10,515.
	TOTAL	2,185.	1,411.	10,515.
01 CHILTON CO	POINT	39.	195.	39.
	AREA	3,202.	2,046.	15,063.
	TOTAL	3,241.	2,241.	15,102.
01 CHOCTAW CO	POINT	224.	3,654.	8,967.
	AREA	2,346.	1,382.	9,011.
	TOTAL	2,570.	5,036.	17,978.

* Tons/Year

Figure 11. Example of Emission Profile Table in Appendix I

Mr. Duggan of SASD, was used in writing five programs for accessing the file.[3]

The source of data on county emissions was the NADB computer files, OAQPS, EPA. The NEDS-USER file contains, among other things, the computed emissions for each point source in the country that emits TSP and SO_2 NO_x, HC, and CO. As data on Pb becomes available, they are to be stored in the HATREMS file, using the NEDS format. In general, the data were submitted by local, regional, and State agencies to NADB for storage and retrieval between 1972 and the present. The quality of data varies widely from one agency to another; in addition, there is no regular, thorough, or consistent updating of all files. Since there were more than 200,000 entries in the file at the time of the report, a program was written to access the file and to summarize point sources by county.

Estimates of area sources are maintained in a separate NADB computer file, NEDS-AREA. The pollutants currently reported are the same as those in the NEDS-USER. The sum of emissions from these two files represents the available estimates of total emissions for each county.

Data on terrain were derived from the census tape (land area) and from the interpolation of base data of the U.S. Geological Survey.[5] Data on solar radiation, local terrain, and local relief were interpreted and recorded in computer files. Meteorological data on stability were interpreted from the maps contained in Reference 6. Pasquill stability classes were used as rough measures of air pollution potential in each county. However, the relationship between the interpretations made for each county and the factual observations varies. In many cases, there were no observations made within a county, so interpretations were taken from adjacent counties.

SECTION 4

SOURCES SUBJECT TO POTENTIAL REGULATION

The question of which sources may be subject to review and what is their relative air quality and emission impacts are the major topics for this section.

4.1 SOURCES SUBJECT TO CURRENT REGULATIONS

Section 165 of the Act requires that all new or modified major emitting facilities or stationary sources must undergo a preconstruction review and receive a PSD preconstruction permit. A "major emitting facility" is defined in Section 169 of the Act as any of the following 28 categories of stationary sources which emit or have the potential to emit 100 tons per year or more of any air pollutant regulated under the Act:

Fossil-fuel-fired steam electric plants of more than two hundred and fifty million British thermal units per hour of heat input;

coal-cleaning plants (thermal dryers);

Kraft pulp mills;

Portland cement plants;

primary zinc smelters;

iron and steel mill plants;

primary aluminum ore reduction plants;

primary copper smelters;

municipal incinerators capable of charging more than two hundred and fifty tons of refuse per day;

hydrofluoric acid plants;

sulfuric acid plants;

nitric acid plants;

petroleum refineries;

lime plants;

phosphate rock processing plants;

coke oven batteries;

sulfur recovery plants;

carbon black plants (furnace processes);

primary lead smelters;

fuel conversion plants;

sintering plants;

secondary metal production facilities;

chemical process plants;

fossil-fuel boilers of more than two hundred and fifty million British thermal units per hour of heat input;

petroleum storage and transfer facilities with a capacity exceeding three hundred thousand barrels;

taconite ore processing facilities;

glass-fiber processing plants; and

charcoal production facilities.

The term "major emitting facility" also includes any other source with the potential to emit 250 tons per year of any air pollutant. This term shall not include any new or modified sources which are nonprofit health or educational institutions that may be exempted by a State.

4.2 TYPICAL SIZES OF SOURCES

A literature review was undertaken to obtain data on the typical or average sized facilities which may be associated with each of the 28 source categories subject to PSD review and with several other potential major sources of VOC, CO, NO_x, and Pb. The results of this review are summarized in Table 1.

TABLE 1. TYPICAL SIZE FACILITIES

Source category	Size tons per year	Emission estimates tons/year			
		VOC	CO	NO_x	Pb
Coal-cleaning plants (thermal dryers)**	[2] 200-300 tons per hour				
Power plants, >250 x 10^6 Btu/h**	[1] 500-1000 MW		1,800-3,600	19,400-20,800	
Kraft pulp mills**	[2] 700 tons per day	46	255	67	
Portland cement plants**	[3] 1 x 10^3 $\frac{MT}{DAY}$			679	
Primary zinc smelters**	[11] 100 x 10^3				135
Iron and steel mill plants (electric arc)**	[4] 30 x 10^3		270	3	
Primary aluminum ore reduction plants**	[14] 850 x 10^3				
Primary copper smelters**	[10] 500 x 10^3				260
Municipal incinerator, >250 tons/day**	[2] 32 x 10^3	24	560	42	
Hydrofluoric acid plants	[2] 10 x 10^3 bbl per day	69	7	83	
Sulfuric acid plants**	[7] 700-750 tons per day				
Nitric acid plants**	[7] 300 tons per day			110	
Petroleum refineries**	[4] 21 x 10^6 bbl per year	161	731	4,481	
Lime plants**	[8] 180 x 10^3 $\frac{MT}{YR}$				
Phosphate rock processing plants*	[13] 2 x 10^6				

(continued)

TABLE 1 (continued)

Source category	Size tons per year	Emission estimates tons/year VOC	CO	NO_x	Pb
Coke oven batteries (by product)*	[4] 720×10^3	151	961	11	
Sulfur recovery	[16] 100 tons per day				
Carbon black plants (furnace processes)	[4] 63×10^3	3	88		
Primary lead smelters**	[12] 100×10^3				250
Secondary metal production facilities (grey iron foundry)*	[4] 90×10^3		360		
Chemical process plants*					
Acetic acid	[4] 230×10^3	17	5		
Phenol	[4] 117×10^3	3	<1		
Phthalic anhydride	[4] 65×10^3	3	33		
Adipic acid	[4] 113×10^3	24	6	91	
Maleic anhydride	[4] 20×10^3	26	156		
Formaldehyde	[4] 50×10^3	2	4		
Acrylonitrile	[4] 74×10^3	293	297		
Polyethylene	[4] 91×10^3	27		512	
Styrene	[4] 338×10^3	27		1	
Synthetic fiber	[4] 40×10^3	7			
Ethylene	[4] 550×10^3	91			
Industrial boilers, $>250 \times 10^6$ Btu/h**	500-1000 MW		1,800-3,600	10,400-20,800	
Petroleum storage/transfer facilities >300,000 bbl**	[9] 300×10^3 bbl per year				
Taconite ore processing facilities					
Glass-fiber processing plants*	[4] 41×10^3	43	46	32	
Charcoal production facilities	[4] 2×10^3	4	29		

(continued)

TABLE 1 (continued)

Source category	Size tons per year	Emission estimates tons/year VOC	CO	NO_x	Pb
Sintering plants**	[15] 11.5×10^3				
Fuel conversion plants**	[4] 788×10^3	2,680			
Pipeline engines	[4] 4×10^3			30	
Oil and gas extraction	[4] 623×10^3	26			
Asphalt (blowing)	[4] 33×10^3	3			

*On Aug. 21, 1979, NSPS priority list.
**NSPS promulgated.

NOTE: Emission estimates for Pb were available only for primary smelters; copper (260), lead (250), zinc (135) in tons/year.

Sources: References 1-4 and 7-16.

The emission estimates for the categories in Table 1 were based on those emissions that would be permitted under (1) existing New Source Performance Standards (NSPS) requirements, (2) future NSPS requirements (where none currently exist), or (3) BACT requirements as a result of the current PSD program for TSP and SO_2. The data on BACT were obtained from the BACT/LAER clearinghouse[5] and from those PSD permits which have been issued to date by EPA Regions III and IV.[2] Future NSPS limits currently under development should represent the best control technology currently available and should represent a reasonable approximation of (for the purposes of this study) the emissions that one might expect from a typical sized facility meeting the BACT requirements. The NSPS emission factors or estimates were obtained from a study used to establish the priorities for setting NSPS's under the 1977 amendments to the Act.[6]

4.3 SOURCE SIZES DICTATED BY AIR QUALITY CONSTRAINTS

Since increments have been established for TSP and SO_2 for Classes I, II, and III (Table 2), calculations have been performed to estimate the size of facilities which may be constructed in a Class II area (i.e., moderate growth) without violating the applicable increment for TSP or SO_2 (whichever is the most restrictive). Some of these estimates were used to evaluate the impacts of the Class II increments which were under consideration by the Congress in their deliberations regarding PSD in 1976 and 1977 and in the passage of the 1977 amendments to the Act.[17-20]

Various air quality dispersion models were used to estimate the air quality impacts of typical size facilities considering certain source parameters such as stack height and velocity, source location and configuration, along with specific meteorological conditions and topographical features. These impact estimates were then used to determine the maximum size of facility which could be constructed and operated within a Class II area. The estimates are not absolute numbers since the specific impact associated with any particular source will vary greatly from area to area; however the estimates do provide a relative size range of sources which may be permitted to locate in a Class II area with flat terrain. Hilly or mountainous areas would further limit the size of source which may be built without causing a violation of Class II increment.

In addition to the evaluations associated with the 1977 amendments, some evaluations have been completed for several policy alternatives for PSD in Illinois.[21] The air quality impacts of several source categories were evaluated in several areas in Illinois using the Climatological Dispersion Model

TABLE 2. AIR QUALITY INCREMENT

	Class I		Class II		Class III	
	TSP	SO_2	TSP	SO_2	TSP	SO_2
Annual geom. mean	5		19		37	
Annual arith. mean		2		20		40
24-h maximum	10	5	37	91	75	182
3-h maximum		25		512		300

(CDM), the Gaussian-Plume Multiple-Source Air Quality Algorithm (RAM), and a modification of the rural version of RAM (RAMR). A discussion of these models is found in Appendix C of Reference 8. As with the evaluations associated with the 1977 amendments, certain technical data were assumed for each source to estimate the highest and second highest TSP and SO_2 air quality concentrations.

The last set of data used in estimating the maximum size of facility that may be located within a Class II area without violating the increment was the PSD permits which have been issued to date. PEDCo extensively reviewed the PSD permits issued to date for Regional Offices III-X and found a number of applications and/or permits that specified the maximum air quality impact associated with a specific source.[2] While these data were only applicable to the particular source and to the area where it is planning to locate, the data did provide estimates of the maximum sizes of facility which could be located within an area without violating the increment.

In cases where the data did not specify the source size that could be located within a Class II area, PEDCo increased the size of the facility in proportion to its estimated impact for either the 24- or 3-hour increment, depending on which averaging time would be the most restrictive. This technique has its limitations because the air quality impact of a source is not necessarily proportional to its size. A larger source with more emissions could in many cases have a proportionally higher flow rate than a smaller source. As a result, the estimated maximum concentration (using the above technique) may be overly conservative, and a larger facility could be constructed without violating the Class II increments. Still, this technique does provide first-order estimates of the maximum size of facility that could be constructed in a Class II area. These estimates are especially useful in determining whether a typical size facility may have problems locating in a Class II area.

The results of the above analysis are presented in Table 3. The emissions estimates are based on future NSPS limits or BACT levels contained in the PSD permits issued to date. As shown in

TABLE 3. SIZES OF SOURCES THAT COULD BE CONSTRUCTED WITHIN CLASS II AREAS

Source category	Size tons/year	Emission estimates - tons/year			
		VOC	CO	NO_x	Pb
Coal-cleaning plants (thermal dryers)	[21]840 tons/h				
Power plants, >250 x 10^6 Btu/h	[22]1000-2500 MW		3600-9000	20,800-52,000	
Kraft pulp mills	[18]2000 tons/day	131	657	172	
Portland cement plants	[22]238,000 $\frac{MT}{DAY}$ (1.4 x 10^6 bbl/day)			124,000	
Primary zinc smelters	[22]135,000				40,519
Iron and steel mill plants	[21]9125 x 10^3 (strip mill)		82,125	912	
Primary copper smelter	[18]547 x 10^3				165
Municipal incinerator >250 tons/day	[2]88,800	67	1554	119	
Hydrofluoric acid plants	[2]10,000 bbl/day	69	7	83	
Sulfuric acid plants	[18]1440 tons/day				
Petroleum refineries	[18]219 x 10^6 BPY (eastern)	1643	7446	45,661	
Lime plants	[2]121 x 10^3 $\frac{MT}{YR}$				
Phosphate rock processing plants	[23]5 x 10^6				
Coke oven batteries (byproduct)	[21]44 x 10^6 (tons/day)	9198	58,473	<1	

(continued)

TABLE 3. (continued)

Source category	Size tons/year	Emission estimates - tons/year			
		VOC	CO	NO_x	Pb
Sulfur recovery	[22]10,000 (tons/day)				
Carbon black plant (furnace processes)	[24]6.19×10^3	<1	9		
Industrial boilers >250×10^6 Btu/h	[22]1000-2500 MW		3600-9000	20,800-52,000	
Glass-fiber processing plants	[25]1350×10^3	1418	1512	1060	
Sintering plants	[21]36.5×10^3 (tons/day)		29,711		
Fuel conversion	$10,200 \times 10^3$				
Oil shale	[22]188,000 (bbl/day)				
Coal gasification	[21]900-1000 MMCFD				

Table 3, a number of source categories will emit only a relatively small amount of VOC, CO, NO_x, or Pb for these sizes of facilities. As a result, the associated air quality impacts for these pollutants are expected to be relatively small and in many cases the TSP and SO_2 increments represent the air quality levels that are expected to dictate the amount of growth that would be permitted for these sources. While a number of source categories are estimated to only emit relatively small amounts of VOC, CO, NO_x and Pb, others (e.g. power plants, zinc smelters, petroleum refineries, coke ovens, sintering plants) are estimated to emit significantly larger amounts. However, the air quality impact resulting from the VOC, CO, NO_x and Pb emissions may be proportionally lower than the expected TSP and SO_2 impact, therefore the TSP and SO_2 increments may still represent the air quality levels that are expected to dictate the amount of growth that would be permitted for these sources.

Table 4 was developed for selected source categories which emit TSP and SO_2 as well as VOC, CO, and NO_x and for which projected TSP or SO_2 24-hour concentrations were available. These data were used to relate the ambient impact of TSP or SO_2 to an estimated ambient impact for O_3, NO_x, or CO. This was accomplished by: using the ratio of the emissions for VOC, NO_x, and CO to either the TSP or SO_2 emissions; then multiplying by the maximum 24-hour TSP or SO_2 concentration, respectively; and converting the 24-hour average to the averaging time for the NAAQS for that pollutant, using the following equation:[26]

$$X_s = X_k \left(\frac{t_k}{t_s}\right)^p$$

where

X_s = desired concentration estimate for a given time t_s,

X_k = concentration estimate for the shorter averaging time t_k,

p = 0.17

This equation permits the 24-hour concentration for various pollutants to be converted to the appropriate averaging time of the respective standard. The equation is not valid for averaging times longer than 24 hours, so the numbers generated for converting the 24-hour NO_2 level to an annual average are highly suspect. Additionally, the air quality concentrations estimated for O_3 and NO_2 are based on the assumption that all of the VOC and NO_x is converted to O_3 and NO_2 respectively and that no interaction takes place. Therefore, the estimates contained in Table 4 should in no way be construed as absolute values but more as first-order estimates of the relative air quality impacts of these pollutants.

While detailed dispersion modeling was outside the scope of this effort, specific modeling studies can and should be done to obtain more realistic estimates of the O_3, NO_2, and CO air quality impacts of these sources.

If the same ratio which currently exists for the 24-hour increment (as compared to the 24-hour standard for TSP and SO_2) were to be used in establishing the PSD increments for O_3, CO, and NO_2, the increments could be represented by the following values:

O_3	CO	NO_2
1 hr	8 hr	
59 μg/m³	2.5 mg/m³	2.5 μg/m³*

*Ratio of increment to annual TSP standard.

If one compares these numbers to those in Table 4 (keeping in mind the above limitations with respect to the increment values and the estimated air quality concentrations), the TSP and SO_2 air quality increments would represent the binding constraints for future growth if significant deterioration for O_3, CO, and NO_2 were defined as the above-assumed increments for O_3, NO_2, and CO with few exceptions (most noticeably for NO_x, which has the most severe limitation regarding the air quality estimates).

TABLE 4. EMISSION AND AIR QUALITY LEVELS ASSOCIATED WITH MAXIMUM SIZE FACILITIES THAT COULD BE CONSTRUCTED WITHIN CLASS II AREAS

Source category	Size t/yr	Tons/year of emissions (concentration in $\mu g/m^3$)					
		TSP[a]	VOC[b]	CO[c]	NO_x[d]	Pb	SO_2[a]
Coal cleaning plants (thermal dryers	[21]840 TPH						
Power plants >250 x 10^6 Btu per hour	[2] 1,200 MW	1,500 (5.5)		4,324 (0.02)	25,000 (33)		42,000 (89)
Kraft pulp mills	[22]2,000 TPD		131 (38.3)	657 (0.13)	172 (16.9)		584 (91)
Iron and steel (strip mill)	[21]9,125 x 10^3			82,125 (1.2)	912 (6.6)		7,932 (91)
Municipal incinerator >250 TPD	[2]88,800	62 (37)	67 (74)	1,554 (1.2)	119 (44.7)		
Hydrofluoric acid plants	[2]10,000 BPD	7 (37)	69 (1,143)	7 (0.07)	83 (460)		10 (91)
Petroleum refineries	[21]600,000 BPD* (136,000 BPD)	372 (18.5)	1,688 (0.06)	10,350 (172)			3,446 (91)
Lime plants	[2] 121 x 10^3 $\frac{MT}{YR}$	50 (37)					30 (22)
Coke ovens	[21] 44 x 10^6	2,202 (37)	9,198 (291)	58,473 (1.2)	657 (7)		
Carbon black	[24]6.19 x 10^3	4 (37)	313 (260)	8,649 (7.2)	5 (6.4)		1
Sintering plants	[21]36.5 x 10^3 TPD			29,711 (0.4)			7,932 (91)
Fuel conversion							
Coal gasification	[27]250 x 10^6 Btu per day			8 (1)			258

[a]Second maximum 24-hr concentration

[b]Second maximum 1-hr O_3 concentration

[c]Second maximum 8-hr (mg/m^3)

[d]Annual average concentration

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SECTION 5

CONSEQUENCES OF NO FURTHER REGULATORY ACTION

Two parts of the PSD program are outlined in the Act. The first involves appling BACT and the second involves demonstrating that a new or modified source would not cause or contribute to any significant deterioration of air quality. For TSP and SO_2, both parts of the program are outlined in considerable detail; for VOC or HC, O_3, NO_x, CO, and Pb, the second part has yet to be developed.

Under Section 165(a)(4) of the Act no major emitting facility may be constructed in any area unless it is subject to BACT for each pollutant regulated under the Act. Under Title II, Section 202 of the Act, the EPA Administrator is given the authority to establish emission standards applicable to any air pollutant from any class of new motor vehicles or new motor vehicle engines which may cause or contribute to air pollution or which may endanger public health or welfare.

The Administrator has promulgated regulations (Table 5) which require light-duty vehicles to meet, within a specified time, standards for CO, HC, and NO_x. The Administrator has also promulgated (1973) regulations to reduce the amount of Pb in gasoline and has scheduled a phasedown program to take affect in 1975 and to gradually reduce the Pb content in gasoline to 0.5 g/gal by the end of 1979. (These regulations were challenged and finally upheld by a Federal appeals court in 1976.) The impact of this phasedown program was assessed in a 1975 study (Table 6).[1] The later projections of the Pb content of gasoline were based on sales of leaded and unleaded gasoline (Table 7).[2]

Nationwide, approximately 82%, 41%, 45%, and 88% for CO, VOC, NO_x, and Pb respectively are from motor-vehicle-related sources. These sources are, for the most part, controlled by FMVCP; because of the voluminous emissions from motor vehicles, the FMVCP will have a major impact along with the BACT requirement in preventing significant deterioration.

5.1 RATIONALE FOR THE BASE CASE SCENARIO

The requirements of BACT, the FMVCP, and the phasedown program for Pb are applicable independently of the PSD requirements for preconstruction review of sources. Since the major sources are motor vehicle related and since BACT represents a case-by-case assessment for determining the best technology currently available for the few stationary sources that contribute to VOC, CO, NO_x, and Pb emissions, BACT and FMVCP represent the basis of PSD program for VOC, CO, NO_x, and Pb; thus they can be referred to as the base case PSD scenario upon which further regulatory action could be required if needed. To determine how effective such a base case scenario (BACT and FMVCP) might be, PEDCo analyzed the impact on O_3, CO, and NO_2 air quality levels in several AQCRs if no further regulatory actions were taken.

TABLE 5. FEDERAL STANDARDS FOR LIGHT-DUTY MOTOR VEHICLES, 1968-1983
(g/mi measured by constant-vol sampling, cold/hot-start tests)

	Exhaust emissions		
	HC	CO	NO_x
Pre-68 (uncontrolled car)	8.70	87.0	4.0
1968-69	5.90	50.8	NR[a]
1970-71	3.90	33.3	NR
1972	3.00	28.0	NR
1973	3.00	28.0	3.1
1975-76[b]	1.50	15.0	3.1
1977-79[b]	1.50	15.0	2.0
1980[c]	0.41[d]	7.0	2.0
1981-82	0.41[c]	3.4[d]	1.0[e]
1983[c]	0.41	3.4	0.4[f]

[a]NR - no requirement.

[b]Interim standards established in 1973 and later years.

[c]Levels established by 1977 amendments to the Clean Air Act.

[d]Original 1975 requirements of 1970 amendments to the Act.

[e]Subject to waiver for diesels and small manufacturers.

[f]Original 1976 requirements of 1970 amendments to the Act, to be implemented only if public health requires it; otherwise, standard is 1.0.

TABLE 6. PROJECTED LEAD CONSUMPTION AND AMBIENT LEAD CONCENTRATION

Year	Revised phasedown schedule,[a] gm/gal	Post-74 vehicles %	Probable pooled average,[b] gm/gal	Projected lead consumption,[c] 10^5 short tons	Projected ambient lead,[d] $\mu g/m^3$
1977	1.0	38.5	1.00	1.64	0.96
1978	0.8	50.6	0.80	1.40	0.83
1979	0.8	61.4	0.80	1.20	0.72
1980	0.5	70.8	0.50	0.90	0.57
1981		78.7	0.50	0.60	0.41
1982		85.0	0.34	0.60	0.41
1983		89.7	0.25	0.60	0.41
1984		92.9	0.19	0.60	0.41
1985		94.8	0.15	0.60	0.41
1986		96.1	0.13	0.60	0.41
1987		97.2	0.11	0.60	0.41
1988		97.9	0.09	0.60	0.41
1989		98.3	0.08	0.60	0.41
1990		100.0	0.05	0.60	0.41

[a] Adjusted for the 1979 revision of the lead phasedown regulation.

[b] U.S. Environmental Protection Agency. Supplementary Guidelines for Lead Implementation Plans. Appendix C, "Projecting Automotive Lead Emissions for Roadway Configurations." EPA-450/2-78-038. August 1978, p. 148.

[c] Weisman, Rob, Enforcement Division, EPA, telephone communication with William Hunt, Monitoring and Data Analysis Division, EPA, January 9, 1980.

[d] Faoro, Robert B. Unpublished analysis of ambient lead trends. October 1979.

TABLE 7. PROJECTED LEAD CONTENT OF GASOLINE, 1974-90*
(g/gal)

Year	Leaded	Non-leaded
Based on historical sales data and actual pooled average		
1974	1.75	
1975	1.90	0.05
1976	2.00	0.05
1977	1.90	0.05
1978	1.90	0.05
Based on projected sales and required pooled averages		
1979	2.10	0.05
1980	1.60	0.05
1981	1.20	0.05
1982	1.30	0.05
1983	1.50	0.05
1984	1.80	0.05
1985	2.20	0.05
1986	2.80	0.05
1987	3.00	0.05
1988	3.00	0.05
1989	3.00	0.05
1990	3.00	0.05

*1974-78 based on historical sales data and on actual pooled average Pb content; 1979-90 based on sales projections and on requirements for pooled average Pb content.

5.2 AREAS SELECTED FOR THE ANALYSIS

The June 19, 1978, PSD regulations indicated that the PSD requirements apply regardless of nonattainment designations since there could be pockets of clean air within nonattainment areas. When the June 19, 1978, PSD regulations were challenged, the court ruled that the PSD provisions apply only to major sources locating in areas designated as either attainment or unclassifiable under Section 107. Therefore, the PSD regulations for VOC, CO, NO_x, and Pb apply only to areas where the measured air quality is at or below the NAAQS or where there are no data currently available to classify the area (as either attainment or nonattainment) so the area, for the purposes of PSD, is considered to be attainment until measured air quality data indicate otherwise.

To determine which areas should be included in the analysis of the base case scenario, PEDCo reviewed all the air quality data for O_3, CO, and NO_2 in SAROAD. Appendix D summarizes the 1977 data in the SAROAD system: for O_3 and CO, these data represent the second maximum air quality concentration measured for a county; for NO_2, the data represent the highest annual arithmetic average for the county.

Since the pollutants to be analyzed have more of an area-wide impact and since the analytical techniques (simple or modified rollback) currently used for this type of analysis were more applicable to a broad geographic area, the air quality data were summarized and listed by AQCR's to identify those with air quality levels at or below the NAAQS's. Then the list of AQCR's was reviewed to select the AQCR's where at least two and preferably all three pollutants had measured values less than the NAAQS's. The revised list was used to select the AQCR's to be analyzed (Table 8). The AQCR's were selected to represent the major geographic regions of the country (North, South, East, West and Midwest) and the broadest possible distribution of areas (in terms of population, size and location), with currently available air quality data.

Table 8 lists the air quality values for the AQCR's selected for analysis. If a CO value was not available, 9 ppm was assumed to be the air quality value for the purpose of the analysis. Analyzed were 18 areas for O_3, 19 for CO, and 9 for NO_x or NO_2.

5.3 ANALYTICAL TECHNIQUES

The simplest form of a linear or proportional model is:[3]

$$C_i = b + ke \qquad (1)$$

where

C_i = ambient concentration of a pollutant at receptor location i,

b = ambient background concentration in an area (defined as the sum of the natural emission sources within the study area and the anthropogenic and natural sources outside the study area that affect concentrations in the study area),

k = proportionality factor (accounts for relationship between source and receptor; includes effects of meteorology, distance of source from receptor, and stack height of source, and

e = total emission rate of a pollutant within the study area.

TABLE 8. AREAS SELECTED FOR ANALYSIS

AQCR number and name	2nd max 1-h O_3 conc, ppm	2nd max 8-h CO conc, ppm	Arith avg NO_2 conc, $\mu g/m^3$
038 San Isabel	0.09	8.1	32
048 Center Florida	0.10	1.4	39
050 S.E. Florida		9.1	
055 Chattanooga	0.11	6.7	57
062 E. Washington-N. Idaho	0.08	17.6	
065 Burlington-Keokuk	0.12	7.6	
072 Paducah-Cairo	0.10	8.1	
077 Evansville-Owensboro	0.12	2.6	
085 Metro. Omaha	0.10	14.5	58
092 S.C. Iowa	0.11	11.5	
094 Metro. Kansas City	0.12	3.0	27
113 Cumberland-Keyser	0.12	*9.0	
125 S.C. Michigan	0.09	*9.0	
131 Minneapolis-St. Paul	0.12	14.0	69
143 Miles City	0.12	*9.0	65
158 Central New York	0.12	8.4	63
184 Central Oklahoma	0.12	11.5	
241 Casper	0.08	*9.0	6
243 Wyoming	0.06	*9.0	

*9 ppm was assumed to be the air quality value if a CO value was not available.

To account for the effects of reducing the emissions of different source categories by different amounts, the simple rollback equation was expanded to what is known as modified rollback.[3] Equation 2 is a general mathematical description of the expanded model.

$$x_{jk} = \frac{B_k + (X_{ok} - B_k) \sum_{i=1}^{n} Q_i G_{ijk} F_{ij} S_{ik} T_{ij} M_{ik}}{Q_i S_{ik}} \qquad (2)$$

where

x_{jk} = projected air quality concentration for calendar year j in region k,

B_k = background concentration in region k,

X_{ok} = base-year air quality concentration in region k,

G_{ijk} = growth factor for source category i in year j in region k,

F_{ij} = emission factor ratio for source category i in year j,

S_{ik} = source contribution factor for stationary source category i in region k,

T_{ij} = transportation control factor, (if applicable) for mobile source category i in year j,

M_{ik} = mobile source correction factor (if applicable) for mobile source category i in year k,

Q_i = base-year emission inventory for source category i,

n = number of source categories,

i = source category index,

j = calendar year index, and

k = region index

This modified equation is typically used to project air quality concentrations and to evaluate the impacts of imposing national programs.

In Equation 2, the base-year air quality concentration (X_{ok}) represents the air quality in the region of interest. The design value or base year concentration for the region must be consistent with that in the air quality standard for the pollutant being modeled.

The base-year emission inventory (Q_i) used must meet the following criteria:

All emissions affecting the air quality in the modeled region are accounted for.

Each source in a source category exhibits approximately the same growth rate.

Each source in a source category is subject to approximately the same emission controls.

The relative effect of each source within a source category on the observed air quality level is approximately proportional to the emissions from that source.

The mobile source categories (i's) are light-duty automobiles, light-duty trucks, heavy-duty gasoline and heavy duty diesel. The stationary source categories for nonmethane hydrocarbons (NMHC) or VOC are petroleum refineries; storage, transportation and marketing of petroleum products; industrial processes; organic solvent evaporation; combustion; and others. The stationary source categories for CO are point and area, and for NO_x they are industrial process, area, and fuel combustion. The NMHC emission estimates were adjusted to reflect the percentages of VOC in the total NMHC inventory for NEDS by using the values in Table 9.

Stationary source contribution factors (S_i) account for the relative effect of the emission source height (or distance from the source to the receptor on ground-level air quality). An elevated source would be expected to contribute less to ground-level air quality than a ground-level source would under most meteorological conditions. A ground-level source generally has a factor of 1.0, and an elevated source generally has less than 1.0. These factors were determined separately and with only one weighting factor for each source category.

Emission reductions from the FMVCP and from the inspection and maintenance (I/M) programs were accounted for in emission factors (T_{ij}) for mobile sources.

Basic controls for mobile and stationary sources were accounted for via the emission factors used in rollback equation. An emission factor ratio (EFR) is the ratio of the emission factor of an average source within a source category in some future year

TABLE 9. NONMETHANE HYDROCARBON ESTIMATES

VOC source category	% VOC
Stationary sources	
Petroleum refineries	95
Storage, transportation, and marketing of petroleum products	92
Industrial processes	74
Industrial surface coating	95
Nonindustrial surface coating	95
Other solvent uses	100
Other miscellaneous sources	
Fuel combustion	34
Solid waste disposal	58
Forest, agricultural, and other open burning	58
Mobile sources	
Highway vehicles	
Light-duty automobiles	85
Light-duty trucks	85
Heavy-duty gasoline trucks	85
Heavy-duty diesel trucks	97
Motorcycles	100
Off-highway vehicles	90
Rail	97
Aircraft	90
Vessels	97

Note: A computer program was developed to estimate VOC emissions as percentages of the total hydrocarbons (THC) calculated in the NEDS user file; the percentages were derived from: RAPS Study: Point and Area Source Organic Emission Inventory.

Source: U.S. EPA. Modified Rollback Computer Program User's Manual. Draft. Air Management Technology Branch, MDAD, OAQPS, June 1979.

to the emission factor of an average source in the same category in the base year--indicates the amount of control on a source category.

$$EFR = 1 - \frac{\text{percent control}}{100}.$$

In addition to the modified rollback technique, PEDCo used the Empirical Kinetic Modeling Approach (EKMA) to relate VOC or HC emissions to O_3 air quality. This approach was used for comparison only since the use of EKMA in other than urban areas has been questioned. Additionally, the HC-to-NO_x ratio (9.5:1) used in the analysis is generally assumed to be more appropriate for urban areas and therefore, it would not be applicable to all of the areas analyzed.

5.4 RESULTS OF THE ANALYSIS

The detailed results of the PEDCo analysis using the modified rollback computer program (currently on the UNIVAC computer) are in Appendix F. The results are summarized in Table 10. As shown in Table 10, the current regulatory program, which requires

TABLE 10. AIR QUALITY CONTROL REGIONS EXPECTED TO EXCEED THE 1976 BASELINE AIR QUALITY VALUES BY 1999

	Number of ACQRs'*		
Control strategy	O_3	CO	NO_2
Total included in analysis	18	19	9
FMVCP only	12(17)	0	0
FMVCP and BACT	0(2)	0	0

*Numbers within parens indicate higher growth rates; see Appendix E for this and other assumptions.

new stationary sources of VOC, NO_x, and CO to apply BACT and which requires new automobiles to meet the FMVCP standards appears (based on PEDCo's limited analysis) to prevent air quality levels in 1999 from increasing over the 1976 baseline levels in all AQCR's for CO and in all but two AQCR's for O_3 and NO_2. In fact in most cases, the projected air quality levels in 1999 will actually improve over the 1976 levels by an average of 13% for O_3 and 52% for CO. However, the projected NO_2 levels will average a slight increase of 6% with the previous projections (1987 and 1990) showing a decrease of approximately 5%.

The O_3 projections using EKMA were generally consistent with those of the modified rollback; the exception was the average decrease in air quality levels--only 3% in 1999 rather than the 13% by using the modified rollback.

5.5 OBSERVATIONS AND CONCLUSIONS

Each of the many identified alternatives has advantages and disadvantages, and each has a unique way of implementing the PSD program for O_3, CO, NO_2, and Pb within the constraints imposed by the current Act and availability of techniques to implement such a program. No program can be developed that will be totally acceptable to all concerned and no alternative can be free from disadvantages.

There has been considerable concern over the complexity of the current PSD program for TSP and SO_2. Many believe that the current PSD program has too many exceptions, special provisions and detailed requirements which increase the complexity beyond what is needed. The use of dispersion modeling has been criticized in lieu of using actual air quality data to track the increment as it represents a hypothetical rather than a real world situation. Additionally, others believe that there is utter confusion in issuing permits for new sources and that the current PSD regulations (while meeting the legal requirements) are too complex for plant managers and upper corporate management to completely understand.

While the criticisms of the current TSP and SO_2 PSD program may be harsh and at times unfounded the message is clear: any further PSD requirements must be logical and must bear a strong relationship to the public values it protects. The program must meet the objectives of the Act, must be simple to implement, and must be easily understood by the industries being regulated and the public being protected so each can help ensure that the public interest is being best served and that there is economic growth consistent with the goals of preventing air quality from seriously deteriorating to a point of being permanently or irrevisably damaged.

Basic issues critical to the development of the PSD program for O_3, CO, NO_2, and Pb (but by no means all of the issues) have been identified. Successful open resolution of these issues during the regulatory development process will be essential in determining which alternative will be implemented and how effectively the program will be carried out. Furthermore, the alternatives must be compared and evaluated to determine which alternatives must receive further consideration for implementation. The extent of the impact of implementing a PSD program for VOC or HC, O_3, CO, NO_x and Pb will vary from pollutant to pollutant as pointed out in Section 3.

For O_3, the PSD program would be essentially limited to only certain portions of the United States since violations of the NAAQS for O_3 have been noted for a number of areas. However, ambient O_3 air quality data currently available for characterizing counties are fairly limited (Appendix D). While there are areas with second maximum O_3 concentrations less than the 0.12 ppm standard, many of other areas have violations of the standard and the PSD program would therefore not apply. For CO and NO_x, the program would be more widespread because there are fewer areas with violations. Again, the air quality data in many counties are fairly limited. There are many counties where no data have been collected or at least reported. These areas without data are referred to as unclassifiable with regard to attainment status. While for the purposes of PSD these areas identified as unclassifiable are considered to be attainment (i.e. PSD would apply), it is difficult to accurately assess the impact that the PSD program would have for these areas because the lack of baseline data makes it difficult to assess whether the air quality would in fact deteriorate as a result of controlled and planned growth in the area.

Based on the limited data currently available, it would appear that the program for O_3 will have a limited impact on certain geographic areas. The program for CO will affect a larger geographic area since the violations of the NAAQS for CO are more localized and since more areas have measured concentrations below the NAAQS. The program for NO_2 will affect an even larger area than for CO since there are even fewer areas with violations of the NAAQS for NO_2 and many areas have actual monitored data (though monitoring has not been extensive) showing that air quality is well below the NAAQS. Data on Pb are very limited at this time, but the data which are available indicate that the nonattainment areas for Pb are limited to larger urban areas and to areas around significant point sources of Pb emissions.

The potential impacts of imposing no further regulatory requirements beyond the current requirements imposed on new automobiles by FMVCP and on new major stationary sources by BACT (Section 165 of the Act) indicate that current regulatory requirements, for the most part, will prevent significant deterioration at least until 1999. However, several points are herein emphasized to avoid misinterpreting this statement. First, only a few areas were analyzed because only a limited amount of data existed for these pollutants and because only limited time and monies existed for the analysis. Second, the emissions data from NEDS for these areas were used without any additional data modification or validation. Third, the modified rollback technique is not an absolute indicator of the projected air quality which will result from imposing certain requirements. This technique however, has received acceptance in that it provides a relative indicator of the projected air quality for an area, and it can be used in national assessments to at least indicate the number of areas which may be affected as a result of imposing certain requirements. Fourth, it was assumed in this analysis that FMVCP will be implemented within the prescribed time frame and that there will be no tampering with the installed control devices. Therefore, the analytical results may be slightly altered if tampering is significant. One way of minimizing the adverse effects of tampering is by requiring an I/M program for areas other than those currently required by the 1977 Act amendments to have such a program. While the impact of imposing I/M was not tested for this analysis, it could be tested using the same analytical techniques to indicate how it might affect the projected air quality levels of the areas if tampering were considered.

The sources to be affected by the PSD program are discussed in Section 4. Use of existing air quality dispersion modeling data indicates that for the most part, the current TSP and SO_2 increments would represent the binding constraint with respect to the size of facility that may be constructed in any area, given that a similar type increment program is developed for O_3, CO, and NO_2.

5.6 RECOMMENDATIONS

As a result of the above assessment, two recommendations are made regarding any follow-up effort to support the regulatory development of the PSD program for VOC or HC, O_3, CO, NO_x and Pb.

The first is that the criteria in Appendix B be used to evaluate the alternatives in order to identify those which should receive a detailed evaluation in terms of overall effectiveness and cost. In most cases, the evaluation to select the alternatives will be by its very nature qualitative rather than quantitative.

The second is that a detailed analysis be conducted regarding the air quality impact of new or modified sources to obtain a more accurate assessment of the associated air quality impact of these sources. Individual air quality modeling efforts should be conducted for a number of source categories under a variety of meteorological conditions.

REFERENCES

1. Duncan, L. et al. Draft Environmental Impact Statement Revision of Lead Phasedown Regulation, MITRE, September 20, 1979.

2. Workshop Manual on Lead Implementation Plans, Region IV, Atlanta, Georgia, PEDCo Environmental, Inc. for EPA July 11-12, 1979.

3. N. de Nevers and J.R. Morris, "Rollback Modeling: Basic and Modified," Journal of Air Pollution Control Association, 25, September 1975, p. 943.

4. Draft Modified Rollback Computer Program User's Manual, Air Management Technology Branch, MDAD, OAQPS, U.S. EPA, June 1979.

APPENDIX A

ALTERNATIVE DESCRIPTIONS

ALTERNATIVES

EMISSION CONTROLS ONLY

Description of Alternative

This system would rely primarily on the Federal Motor Vehicle Control Program (FMVCP) (with the possible addition of inspection and maintenance requirements) and the requirement for Best Available Control Technology (BACT). Control requirements under this system would not vary as a function of the spatial concentration of sources.

Options

This alternative could be modified to consider the air quality as well as the emissions impact of a individual source through the use of the preconstruction and postconstruction monitoring requirements currently part of the PSD requirements. The preconstruction requirements would provide an assessment of the situation before the source locates and the postconstruction would provide a check to ensure that the air quality levels have not violated the standard and that the levels are at or below the levels prior to the source's construction. A deviation of, say 5-10% taking into account any effects due to meteorology, would be permitted. If the air quality would be outside the above deviation a hearing would be held to determine if a variance should be granted which is similar to reclassifying the area from a Class II to a Class III or if no variance should be granted and thus some additional emission reductions would be necessary to offset the air quality increase over the preconstruction levels. If the deviation is lower than expected the source would be permitted to construct but some further investigation would be made to determine what emission reduction may have taken place during this time which would account for this decrease. This would be noted and the information available to new sources for use in possibly offsetting additional emissions in the future.

Applicable Clean Air Act Section

Section 165(a)(4) states:

"No major emitting facility on which construction is commenced after the date of the enactment of this part, may be constructed in any area to which this part applies unless--

(4) the proposed facility is subject to the best available control technology for each pollutant subject to regulation under this Act emitted from, or which results from such facility;..."

Section 202(a)(1) states:

"(1) The Administrator shall by regulation prescribe (and from time to time revise) in accordance with the provisions of this section, standards applicable to the emission of any air pollutant from any class or classes of new motor vehicles or new motor vehicle engines, which in his judgment cause, or contribute to, air pollution which may reasonably be anticipated to endanger public health or welfare. Such standards shall be applicable to such vehicles and engines for their useful life (as determined under subsection (d), relating to useful life of vehicles for purposes of certification), whether such vehicles and engines are designed as complete systems or incorporate devices to prevent or control such pollution."

Background

The Clean Air Act under Section 165(a)(4) provides that no major emitting facility may be constructed in any area unless the proposed facility is subject to the Best Available Control Technology (BACT) for each pollutant subject to regulation under the Act. Additionally, under Title II, Section 202 of the Act, the Administrator of the Environmental Protection Agency is given the authority to establish motor vehicle emission standards applicable to the emission of any air pollutant from any class or classes of new motor vehicles or new motor vehicle engines, which in his judgment, cause or contribute to air pollution which may reasonably be anticipated to endanger public health or welfare. The Administrator has taken such authority and promulgated regulations which require light duty vehicles to meet certain standards for CO, HC and NO_x within a given time period. A summary of the Federal motor vehicle emission standards as revised pursuant to the Clean Air Act Amendments of 1977 is presented in Table I.

Additionally the Administrator has promulgated regulations dealing with lead content of gasoline. The regulations to reduce the amount of lead in gasoline were first promulgated in 1973 and scheduled to take affect beginning in 1975. This program called for phased reductions to take place from 1975 to 1979 with the final lead content in gasoline to be .5 grams per gallon in 1979. These regulations were challenged and finally upheld by a Federal appeals court in 1976. The impact of this lead phase down program was assessed in a study completed in 1975 and the results are presented in Table II. The projected lead content of gasoline has been revised recently and the results of this revision are presented in Table III.

The requirements of BACT, the FMVCP, and the phasedown program for Pb are applicable independent of any program to require preconstruction review of sources of these emissions under PSD. Since the major sources of these emissions are motor vehicle related and BACT represents a case by case assessment as to the best technology currently available for those few stationary sources which contribute to the HC, CO, NO_x, and Pb emissions, this alternative may well represent the most effective program for keeping the current clean air areas clean without any additional regulations.

This program or alternative of relying only on the BACT requirement and the FMVCP has two basic methods of implementation. The first would not involve any preconstruction review of the emission levels for a given area. It would rely on the basic premise that the FMVCP will more than compensate for all new growth in an area with levels below the NAAQS as all new stationary sources, for the most part, will be required to apply BACT.

The second would include a preconstrucion review for stationary sources. This review would ensure that the emission

TABLE I. FEDERAL EXHAUST EMISSIONS STANDARDS (grams/mile)[a]

	HC	CO	NO_x
Uncontrolled car	8.7	87.0	4.0
1968-69	5.9	50.8	NR
1970-71	3.9	33.3	NR
1972	3.0	28.0	NR
1973	3.0	28.0	3.1
1975-76[b]	1.5	15.0	3.1
1977-79[b]	1.5	15.0	2.0
1980[c]	0.41[d]	7.0	2.0
1981-82[c]	0.41	3.4[d]	1.0[f]
1983[c]	0.41	3.4	0.4e,g

NR = No requirement

[a] As measured by the Federal constant-volume sampling, cold- and hot-start test.

[b] Interim standards established in 1973 and subsequent years.

[c] Levels established by 1977 Amendments to the Clear Air Act.

[d] Original 1975 requirements of the 1970 Amendments to the Clear Air Act.

[e] Original 1976 requirements of the 1970 Amendments to the Clear Air Act.

[f] Subject to waiver for diesels and small manufacturers.

[g] To be established only if public health requires it; otherwise, standard is 1.0.

TABLE II. PROJECTED AMBIENT LEAD LEVELS BASED ON PROBABLE POOLED LEAD CONTENT OF GASOLINE

Year	Phase-down schedule (gm/gal)	% Post-74 vehicles[1]	Probable pooled average[1] (gm/gal)	Projected lead consumption[2] (10^5 short tons)	Projected ambient lead[2] ($\mu g/m^3$)
1974	-	0.0	2.0	1.99	0.94
1975	1.7	11.2	1.7	1.69	0.80
1976	1.4	25.5	1.4	1.39	0.66
1977	1.0	38.5	1.0	1.00	0.47
1978	0.8	50.6	0.8	0.80	0.38
1979	0.5	61.4	0.5	0.50	0.24
1980	0.5	70.8	0.5	0.50	0.24
1981	-	78.7	0.5	0.50	0.24
1982	-	85.0	0.34	0.34	0.16
1983	-	89.7	0.25	0.25	0.12
1984	-	92.9	0.19	0.20	0.09
1985	-	94.8	0.15	0.15	0.07
1986	-	96.1	0.13	0.13	0.06
1987	-	97.2	0.11	0.11	0.05
1988	-	97.9	0.09	0.09	0.04
1989	-	98.3	0.08	0.08	0.04
1990	-	100.0	0.05	0.05	0.02

TABLE III. LEAD CONTENT OF GASOLINE

Year	Leaded Gasoline* (g/gal)	Nonleaded Gasoline (g/gal)
1974	1.75	
1975	1.9	0.05
1976	2.0	0.05
1977	1.9	0.05
1978	1.9	0.05
1979	2.1	0.05
1980	1.6	0.05
1981	1.2	0.05
1982	1.3	0.05
1983	1.5	0.05
1984	1.8	0.05
1985	2.2	0.05
1986	2.8	0.05
1987	3.0	0.05
1988	3.0	0.05
1989	3.0	0.05
1990	3.0	0.05

* 1974 - 1978: Lead content based upon historical sales data for leaded and nonleaded gasoline and data indicating the actual pooled average lead content.

1979 - 1990: Lead content based upon sales projections for leaded and nonleaded gasoline and requirements for pooled average lead content.

levels from the new source would be offset by the emission reductions accomplished by the FMVCP for the area, i.e., the county, in which the source plans to locate. The source would be required to apply BACT and there would be some incentive on the part of the reviewing agency to keep the new emissions from the source as low as possible so as to use the minimum amount of emission reductions provided by the FMVCP. Otherwise growth would be halted until further reductions from the FMVCP were available or an existing source reduced its emissions sufficiently to offset the new emissions.

Data Requirements

The major data requirements are:

- Vehicle mile traveled/year per area of concern (e.g., county),
- Stationary source emission estimates,
- Vehicle age distribution per county,
- Vehicle replacement rate, and
- Composite vehicle emission rates.

Advantages

- No new regulatory requirements would be necessary to implement the program.
- No direct additional costs would be incurred by the sources since they are already required to comply with BACT.

Disadvantages

- Cannot guarantee that the clean air areas will remain clean, if the FMVCP cannot offset the planned growth for a given area.
- No real check of the air quality levels that would be associated with the proposed source.
- Assumes that emissions are proportional to air quality and that locational effects are not of major concern with CO, HC, NO_x, and Pb.

Implementability

This alternative will be relatively easy to implement since no new requirements will be imposed. However, because of the deterioration of air pollution control devices on the automobile an Inspection/Maintenance program (I/M) would be needed in some cases to ensure that the emission reductions called for by the FMVCP are in fact accomplished and that the new sources emissions can be accommodated.

While the preproduction certification program demonstrates the manufacturers' capability of designing vehicles which can meet the automotive emission standards, it does not address the question of in-use vehicles. Over the past 10 years, testing has consistently indicated that a significant number of vehicles on the road fail to meet the automotive standards. This occurs for a variety of reasons: production variability, tampering with or neglect of a car's emission control system or use of leaded gasoline in a car that requires unleaded. Therefore, it many cases it is essential that a strategy be devised to improve the performance of in-use vehicle. One such strategy is I/M. I/M programs involve periodic testing of each car within a given locality and a refusal to register any vehicle that fails the test and is not subsequently repaired.

Suggestions

The second method of implementation outlined in the background section permits the assumption that the FMVCP can accommodate the new growth to be checked and growth prohibited if the emissions from the new source would be greater than the reductions provided for by the FMVCP.

Comparison to Other Alternatives

In comparison to other alternatives this represents the absolute minimum program. It does not require that any detailed program be developed beyond that currently required. However, it does not ensure that the air quality levels for an area are not significantly degraded as no specific case-by-case air quality assessment would be required. The overall economic impact due to the PSD program would be quite small as the major part of the control program is the FMVCP which is required independent of the PSD requirements.

AMBIENT AIR QUALITY INCREMENTS

Description

This approach calls for the development of an increment and classification system similar to that prescribed in Section 163 for Set I pollutants.

Options

Not applicable.

Applicable Clean Air Act Section

Section 166(c) and (d) of the Act states:

> "(c) Such regulations shall provide specific numerical measures against which permit applications may be evaluated, a framework for stimulating improved control technology, protection of air quality values, and fulfill the goals and purposes set forth in section 101 and section 160.
>
> (d) The regulations of the Administrator under subsection (a) shall provide specific measures at least as effective as the increments established in section 163 to fulfill such goals and purposes, and may contain air quality increments, emission density requirements, or other measures."

Background Information

The PSD program for TSP and SO_2 established air quality increments over which the baseline air quality can increase without this increase being considered significant. This approach assigns certain air quality increment values to an area based upon its classification either as Class I, pristine areas, Class II, moderate growth areas, or Class III, relatively uninhibited growth areas. This increment approach is consistent with the air quality management approach set forth in Section 109 and 110 of the Clean Air Act. This approach requires the modeling of multiple point and area sources and the tracking of emissions/air quality increases and decreases that affect the increment.

The June 19, 1978, PSD regulations indicated that EPA's assessment of the air quality impacts of new major sources and modifications will be based on the "Guideline on Air Quality

Models," OAQPS 1.2-080, April 1978. This guideline was incorporated by reference into the regulations. Sources may be given approval to use air quality dispersion models other than those noted in the guidelines if the model recommended in the guideline and the model proposed by the source are comparable.

The guideline recommends those air quality models that should be used for conducting PSD review. It also identifies factors that determine the suitability of models for an individual situation, presents classes and subclasses of models, and addresses special modeling problems. The guideline presents information for modeling TSP, SO_2, CO, and NO_x. It does not, however, present information regarding modeling of photochemical oxidants. These models are undergoing a critical review and information regarding them will be provided at a later date.

With regard to CO and NO_x, the point source screening techniques described in Volume 10 of the <u>Guidelines for Air Quality Maintenance Planning and Analysis</u>, "Procedures for Evaluating Air Quality Impact of New Stationary Sources," can be used. However, no specific refined modeling techniques are recommended. Those situations which require more refined techniques will be considered on a case-by-case basis with the use of expert consultation. For NO_x, the use of any models other than photochemical ones require an assumption that all NO_x is emitted in the form of NO_2 or is converted to NO_2 by the time it reaches the ground and that NO_2 is a nonreactive pollutant. For sources locating in areas where atmospheric photochemical reactions are significant, a rollback model may be used as a preliminary assessment to evaluate the impact of the source or sources.

There are five (5) types of ozone prediction methods that are currently available. These models vary from simple algebraic relationships to sophisticated numerical models. In general, the simple methods tend to ignore or to treat superficially many atmospheric processes that affect the formation of ozone. The sophisticated numerical models on the other hand, treat these processes in detail but are very costly to use and require large amounts of input data. The five (5) ozone models are: linear rollback, modified rollback, empirical kinetic modeling approach (EKMA), trajectory models, and grid models. Most of these models have been developed for a region-wide application rather than for a specific individual point source. They are also more oriented for use in urban rather than rural areas.

One of most sophisticated grid models is the Airshed Model, which has the ability to simulate the behavior of up to 20 pollutants. When photochemical simulations are carried out by this model, 11 species must be included:

paraffins	nitric oxide
olefins	nitrogen dioxide
aromatics	ozone
aldehydes	nitric acid
peroxyacetyl nitrate	hydrogen peroxide
carbon monoxide	

Additionally a number of other parameters regarding emissions and surface uptake, meteorology, air quality, chemical mechanisms, etc., must be input. As can be seen these input requirements are considerable.

More information on modeling can be found in the discussion on the modeling issue.

Data Requirements

The major data requirements are:

- o Emission estimates for all major stationary sources both new and existing,
- o Emission estimates for all area sources both new and existing,
- o HC/NO_x ratios for the area where the source plans to locate,
- o Increment values,
- o Background air quality concentration,
- o Preconstruction or design air quality values,
- o Stack parameters,
- o Meteorological data, and
- o Method of relating emissions to an air quality value.

Advantages

- Reflects current concept of PSD,
- Consistent with Set I approach,
- Much of guidance regarding implementation of an increment system is already available once the type of model is selected,
- Permits assessment of the air quality impact from new sources,
- Use of rollback or EKMA would permit the increment concept to be implemented through the use of an interim measure until more sophisticated models can be developed and tested, and
- Once the more sophisticated modeling approaches become available these could be used to check the validity of the interim models. If violations of the increment are noted then a SIP revision would be required to correct the violation. If no violations are noted, the amount of increment available would be adjusted to reflect the results of using the more sophisticated models.

Disadvantages

- Difficult to accurately model VOC and NO_x emissions from point sources because of the interaction of these pollutants and meteorology in forming ozone and NO_2,
- Even an interim approach of using EKMA and rollback is of some concern because these models were not designed to be used for specific individual points source situations and this specific applicability has not been tested to date,
- The simplified modeling techniques fail to consider the locational and meteorological aspects of the ozone and NO_2 problem although EKMA does address the chemical relationship between VOC and NO_x emissions,
- Many simplified models produce results that are so overly conservative that in many cases permits would be denied when increment may actually still be available, and

- Simplified models may produce such unrealistic results that once the more sophisticated models are used so many adjustments would be necessary that it is questionable whether an interim approach should have been used at all.

Implementability

While air quality increments could be established, there is concern over the availability of the necessary analytical techniques to relate VOC and NO_x emissions to air quality concentrations and the data to implement these techniques. The criticism of the complex models which require considerable amounts of data can be overcome by using the EKMA or rollback approach which do not require considerable amounts of detailed data. However, the question of the accuracy associated with using these techniques still looms as a major obstacle to implementing the increment alternative.

Because of the difficulty in predicting the ambient levels of ozone and NO_2 and the amount of data needed to perform such calculations using such techniques as the Urban Airshed Model, the approach of using either the EKMA or rollback technique offers a method of easily assessing the air quality impact of a source. This is especially true in rural attainment areas where the amount of data is limited and amount of NO_2 and manmade VOC emissions is small. Considerable guidance and evaluation of the rollback and EKMA procedures for use with individual point sources would be needed before this approach could be implemented.

Comparison to Other Alternatives

Compared to other alternatives this approach comes closest to the concept of preventing significant deterioration of air quality. In this alternative the air quality concentration from a source is the key factor in the decision to either grant or deny a permit. However, it requires more data than other alternatives and it requires the use of air quality dispersion models which makes this a more complex alternative to implement even though the complexity is reduced slightly by using EKMA or rollback.

EMISSION DENSITY ZONING

Description of Alternative

An emission density zoning (EDZ) system would rely on theoretical air quality increments solely as a guideline for establishing maximum allowable emission limits per unit of land area. Once these are established, all preconstruction review and enforcement actions would be based on emission limits rather than ambient air quality levels.

Options

- Emission Allocation Planning - an assignment of emission quotas (usually in terms of tons/day or year) to general purpose governmental jurisdictions such as cities, towns, counties, etc.
- Floating Zone Strategy - establishes an emission density limit for a specified unit of area surrounding a new development.
- District Emission Quotas - similar to emission allocation planning except quotas are assigned to planning districts (e.g., census tracts).

Applicable Clean Air Act Section

Section 166(d) states:

> "(d) The regulations of the Administrator under subsection (a) shall provide specific measures at least as effective as the increments established in section 163 to fulfill such goals and purposes, and may contain air quality increments, emission density requirements, or other measures."

Background

Emission density zoning, assigns allowable densities to zoning classes. M-3 zones (heavy industry) for example, would be limited to a certain density, whereas R-1 (single family residential) would be limited to a lighter density.

The Prevention of Significant Deterioration (PSD) requirement basically applies to all clean air areas most of which are rural or semirural. Such areas are, almost by definition, devoid of detailed disaggregation into smaller governmental units. They are characterized primarily by the following types of governmental units:

- o National forests, parks, monuments, etc.,
- o Regional (multi-county A-95 review agency) planning areas,
- o Counties,
- o Small cities and towns, and
- o Planning districts and zones within cities, towns, and some counties.

Data Requirements

The major data requirements are:

- o Disaggregation of large governmental units, such as states, into smaller, more manageable units; this does not apply to floating zone emissions quotas,
- o Vehicle miles traveled/year and land uses allocated to those smaller geographical units,
- o Motor vehicle emission factors for HC, CO, and NO_x,
- o A method of converting land use data to emissions,
- o A method of determining maximum allowable emissions, or in other words, a method of relating emissions to acceptable changes in air quality, and
- o A definition of what change in emissions/air quality is acceptable.

Advantages

- o Eliminates any need to model each major new source,
- o Only requires comparing changes in emission density with allowable changes,
- o Could be easily combined with marketable permit concept for ozone to enable the market to perform some of the functions that would otherwise be performed by Government,
- o More applicable to O_3, and
- o Easy to implement.

Disadvantages

- Would not apply directly to CO because of its localized impact,
- Much of the data on vehicle miles traveled (VMT) and land use may not be available for the rural areas outlined in the background section,
- Must convert VOC emission density to O_3 air quality,
- Would require use of CO models to convert CO emission density to allowable air quality, and
- Since State and local agency may be unfamilar with approach, considerable guidance would be needed.

Implementability

Since emission quota strategies represent new approaches to air quality management which have not really been applied anywhere in the U.S. on a wide scale and there is some entrenched opposition to these concepts, these strategies may prove to be very difficult to implement. However, in some cases this lack of familarity could represent a fresh approach to many.

Since the system does not directly rely upon an estimate of air quality impact it will be easier to implement than some alternatives. However, it may be very difficult to relate the ozone precursor emissions to some allowable ozone level to determine at what level of emission density represents a significant deterioration of air quality.

Even though the system itself may be relatively easy to implement, state and local agencies are unfamiliar with this approach; thus, considerable additional guidance and procedures may be needed.

Suggestions

Since many of the emission allocation schemes presented as options rely upon a more structured data base (county, planning district, etc.) they may be difficult if not impossible to implement for CO because of localized impact. However, since the floating zone strategy does not rely on existing governmental boundaries, it would appear to be applicable to handle the localized problems associated with CO.

One way of overcoming the current problems associated with converting VOC and NO_2 emission density to some type of air quality increments is to use the Empirical Kinetic Modeling approach (EKMA). EKMA could be used along with the emission densities calculated for a relatively large geographical area to calculate the corresponding ozone concentration.

Comparison to Other Alternatives

While this alternative overcomes some of the problems associated with other alternatives such as complexity and requiring detail dispersion modeling on a source-by-source basis, it has some disadvantages when compared to other alternatives. It does not unless modified somewhat, permit air quality to be a consideration per se in the permitting process. It may also require more data to implement it than is currently available for many of the rural clean air areas where the impact of the PSD would be the greatest. Because it is a relatively new concept as compared to some of the other alternatives it would require that more guidance and information be developed before it could be instituted in many areas.

INVENTORY MANAGEMENT

Description of Alternative

This alternative assures that the inventory for a local area would not exceed a specified level without public comment and a demonstration that emissions permitted in excess of this level would not constitute significant deterioration. This alternative would require the State or local agency to develop and maintain an emission inventory for all major and minor sources within a given area. It would also require the State or local agency to conduct a mandatory review of any further major new source growth when the emissions for the area would reach a predetermined level. This review would require the source, whose emissions would cause this level to be exceeded, to demonstrate that additional emissions over and above the predetermined level would not cause significant deterioration. The public would have an opportunity to review and comment on this demonstration and to voice their opinion as to whether a new level of total emissions should be established for which a future review and demonstration would be required. If no new level is established the source whose emissions would cause the current level to be exceeded would either have to offset its new emissions or choose to locate in another area.

Options

Not applicable.

Applicable Clean Air Section

Section 166(c) provides:

> "Such regulations shall provide specific numerical measures against which permit applications may be evaluated . . ."

Background Information

Not applicable.

Data Requirements

The data requirements to implement this alternative are:

- o Current local existing emission inventory,
- o Emission estimates for all new major and minor sources, and
- o Mechanism to periodically update emission inventory.

Advantages

- o Simple to implement
- o Avoids detailed dispersion modeling
- o Involves public at the local level

Disadvantages

- o If inventory area is too large, clustering of major sources may take place which could create localized air quality problems even though the emission levels averaged over the entire area would not indicate that air quality problems exist.
- o Does not relate the emissions to some air quality level on a source by source basis and therefore several sources may be granted a permit to construct only to find out that there was really an air quality problem with the first source.
- o The predetermined emission level for an area could be challenged as being arbitrary since it would not relate to some air quality level per se.
- o Would be difficult to determine if an air quality related value may be violated for a Class I area since no estimate of a source's air quality impact is required either in the area where the source will locate or some distance downward.

Implementability

This alternative would be easy to implement in that the local area would only have to keep a record of its current and future emissions. No detailed modeling would be required. However, because this alternative does not directly relate emissions to air quality potential violations of the standard could arise.

Suggestions

If the predetermined emission level could somehow be related to an overall air quality impact through the use of some type of simplified model, then one could compare this level to the national ambient air quality standards or relate it to an air quality related value that has been established (e.g., visibility) for an individual Class I area.

Comparison to other Alternatives

While this alternative will overcome some of the basic problems noted for other alternatives (i.e., modeling, need for detailed meteorological and emissions data, complexity, etc.), it does not provide some estimate of how much deterioration might take place in terms of air quality. However if the total emission increment can be related to some air quality level then there would be a more positive check against the national ambient air quality standards and the current or baseline air quality levels in the area.

STATEWIDE EMISSION LIMITATION (BUBBLE)

Description of the Alternative

This alternative assures that the aggregate statewide emissions will not increase. A bubble would be drawn over the entire state and no net increase in emissions would be permitted. Any emissions which may result from the location of a new source within the state would have to be accommodated by previous reductions which have already taken place or by future reductions which will take place prior to the startup of the new source.

Options

Options or modifications to this alternative may include:

- o County or AQCR bubble, and
- o Inflated bubble. (States with little development to date would be allowed some additional growth, or emissions, before the bubble is drawn so that they are not at an unfair disadvantage compared to states which have a number of emissions already.)

Applicable Clean Air Section

Section 166(c) provides:

> "(c) Such regulations shall provide specific numerical measures against which permit applications may be evaluated, a framework for stimulating improved control technology..."

Background Information

The 1975 nationwide emissions for CO, NO_x, and VOC are shown in Table I. Approximately 40% of the VOC and NO_x emissions and 83% of the CO emissions are from transportation related sources (e.g., light and heavy duty vehicles). Statewide emission totals vary considerably from State to State. Table I also provides some estimates of the CO, NO_x, and VOC emissions for California and North Dakota to illustrate this wide variation.

TABLE I

Emissions 10^6 tons/yr

	VOC	NO_x	CO
Nationwide	27.2	22.3	93.4
California	2.5	1.4	10.3
North Dakota	.1	.1	.3

Data Requirements

The data requirements to implement this alternative are:

- o Current statewide emission inventory,
- o Emission estimates for all new major and minor sources, and
- o Mechanism to periodically update emission inventory.

Advantages

- o Simple to implement,
- o Avoids detailed dispersion modeling, and
- o Forces technology.

Disadvantages

- o Unfair to states with currently low emission levels and no existing sources from which to obtain emission reductions to accommodate new source growth,
- o Does not consider air quality impact of the source,
- o Will not avoid clustering of sources,
- o Does not provide for any moderate growth without offsets,
- o Places large burden for emission reduction on existing facilities, and
- o Does not consider transport of pollutants from another State.

Implementability

This alternative would be easy to implement in that the state would only have to keep a record of its current and future emission estimates. No detailed modeling would be required.

However, because this alternative does not avoid clustering of sources, potential violations of the standard could unknowingly arise thereby voiding the overall purpose of PSD. Also states with low emission levels would feel discriminated against. Future growth may be precluded because one state may have been slower in developing or required tighter controls than another state (i.e., lower emissions).

Suggestions

Some of the disadvantages of the statewide bubble could be overcome by using a county or AQCR bubble which would provide some limits on possible clustering. Additionally a county or AQCR bubble, while not removing the inequity for areas which have low emission levels, would spread those areas out more uniformly across the U.S. as every state will have a number of counties or possible AQCR's where the emission levels are relatively low.

The option of allowing an inflated bubble for states which are currently undeveloped or which have low emission levels would permit some moderate growth before an absolute limit on emissions is imposed and offsets are required. If this inflated bubble could be applied to a county or AQCR it may resolve or at least limit some of the potential problems with clustering. That is, the smaller the area over which the limits on emission are imposed the less chance there is for sources to cluster together and cause air quality problems before the limits on emissions are reached.

Comparison to Other Alternatives

While this alternative will overcome some of the basic problems noted for other alternatives (i.e., modeling, detailed meteorological and emissions data, complexity, etc.), it will have some severe impacts as it may limit the future growth potential for many developing states. The requirement of imposing no net increase in emissions in many cases will not permit development in those states where existing emissions are quite low. In other cases any growth that would be permitted will be at the expense of the existing sources or as a result of reductions made possible by the Federal Motor Vehicle Control Program.

Avoiding Co-Location of VOC and NO_x Sources

Description of Alternative

This approach is designed to prevent significant deterioration resulting from the formation of ozone. Such a program would focus special attention on the nonmethane HC to nitrogen oxide ($NMHC/NO_x$) ratio and prevent the co-location of volatile organic compound (VOC) and NO_x sources within a certain fixed distance of each other.

Options

If in addition to the $NMHC/NO_x$ ratio the total amount of NO_x emissions could be tracked and estimates made regarding the air quality impact in terms of NO_2 concentration then this system could also be used to prevent significant deterioration of nitrogen dioxide.

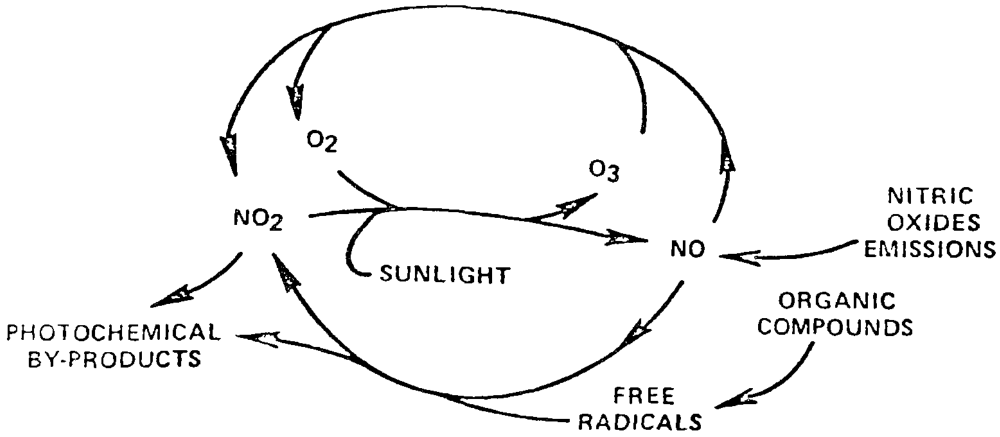
Applicable Clean Air Act Section

Not applicable.

Background

Ozone (O_3) is formed through a series of reactions involving oxides of nitrogen (NO_x), organic pollutants and sunlight. There are presently 300 reaction mechanisms involved in the formation of photochemical oxidants. There are, however, a few basic steps which generally describe the formation process.

1. $NO + O_3 \rightarrow NO_2 + O_2$
2. $NO_2 \xrightarrow{h\nu} NO + O$
3. $O + O_2 \rightarrow O_3$



Most NO_x is emitted as nitric oxide (NO). NO is oxidized by ambient ozone or organic compounds to form NO_2. NO_2 is then photolyzed by sunlight to form NO and oxygen (O). The atomic oxygen will react with atmospheric oxygen and form ozone.

The role of NO_x is to provide the basic means whereby ozone is formed. However, in the absence of appreciable amounts of volatile organic compounds (VOC), ozone levels will remain low as a result of a chemical equilibrium which is set up among ozone, NO and NO_2. Appreciable amounts of VOC's on the other hand influences the equilibrium such that higher concentrations of ozone are measured. The concentration of ozone is also dominated by meteorological conditions. Sunlight intensity and temperature influence the reaction rates and therefore the chemical equilibrium.

The roles of VOC and NO_x in ozone formation have been studied in smog chambers. The results of numerous smog chamber experiments have indicated that the effectiveness of VOC or NO_x controls depends upon the relative amounts of VOC or NO_x available to form ozone. Maximum ozone levels are more sensitive to organic control if the nonmethane hydrocarbon to NO_x ratio is low than if the ratio is high. At low NMHC/NO_x ratios the rate by which NO is converted to NO_2 is influenced by the availability of organic compounds. At moderately high NMHC/NO_x ratios, the amounts of ozone formed begins to become limited by the availability of NO_x and becomes less sensitive to additional VOC emissions. At very high NMHC/NO_x ratios (e.g., 30:1) it is possible that excess VOC emissions can react such that the addition of still further VOC emissions has little effect or may even result in slightly lower levels of ozone. Thus the smog chamber results indicate that the sensitivity of the ozone forming potential to changes in VOC emissions decrease as the NMHC/NO_x ratio increases.

Because of interaction between VOC and NO_x one method of preventing significant deterioration is to avoid the co-location of VOC and NO_x sources. If the VOC or NMHC to NO_x ratio stays greater than say 30:1 then very little if any ozone would be formed and thus there would be no deterioration of the air quality.

Data Requirements

The data required to implement this alternative are:

- HC or VOC and NO_x emissions for the existing sources,
- HC and NO_x emission estimates for the new sources,
- HC/NO_x ratios for the area, and
- Definition of the area of impact for formation of ozone and NO_2.

Advantages

- Does not require the use of dispersion modeling,
- Simple yet scientifically sound approach to insure that the air quality will not be significantly degraded, and
- Allows VOC and NO_x sources to be built as long as the $NMHC/NO_x$ ratio is above the level conducive to ozone formation and vice versa.

Disadvantages

- Does not provide a direct measure of air quality,
- While it is based upon smog chamber studies, some may still question its validity in the "real world" and argue that it does not represent what will happen in actual practice,
- Difficult to define the area represented by a given $NMHC/NO_x$ ratio, and
- How would the problem of transport be considered. NO_2 or ozone may be transported into the area from some distance upwind and by just analyzing the sources within a given area one may not accurately represent what takes place in terms of measured air quality.

Implementability

While this approach seems simple and straightforward to implement, there are a number of technical issues and policy concerns that would need to be resolved before this approach could be implemented. For example:

(1) Over what area would the $NMHC/NO_x$ be measured?

(2) How will transport both into and out of the area be considered?

(3) What kind of classification system should be set up?

(4) At what level will the $NMHC/NO_x$ ratio be considered to be acceptable to insure that significant deterioration does not take place?

If the above issues and several others can be adequately resolved this approach would be relatively straightforward to implement and relatively easy to understand.

Suggestions

Transport could be accounted for in the preconstruction monitoring program by requiring that a background and a downwind monitor be set up in addition to the monitoring to be conducted onsite. In that way the amount of ozone and NO_2 transported into and out out the area prior to the sources operation could be accounted for and factored into the decision making process.

Comparison to Other Alternatives

In comparison to the alternatives which require dispersion modeling and increments, this technique is relatively easy to implement. However, since it is based upon the use of ambient air quality data and HC/NO_x ratios it does consider the air quality impact as a vital part of the decision making process for PSD. It is not just strictly an emissions approach as presented by some of the other less complex alternatives.

EMISSION FEES

Description of Alternative

A fee system would be designed to strengthen the requirement for BACT on new stationary sources. A fee would be levied against each source based on its quantity of emissions, thus providing the source with an incentive to develop and incorporate new technology.

Options

N/A

Applicable Clean Air Act Section

Section 166(c) states:

> "Such regulations shall provide specific numerical measures against which permit applications may be evaluated, a framework for stimulating improved control technology, protection of air quality values, and fulfill the goals and purposes set forth in Section 101 and Section 160."

Background

In this alternative system, it is assumed that there will exist a level of pollution control for Set-II pollutants that will represent the best available control technology (BACT), and that this level of control will be required for all new major industrial plants regardless of location. At the same time, there is no guarantee that this level of control will be sufficient to prevent the deterioration of air quality in clean air areas with respect to VOC, NO_2, O_3, CO, or Pb. Thus the PSD program needs to incorporate a system for achieving even higher levels of pollution control for clean air areas where it is necessary to prevent significant deterioration.

One method that has been suggested is the emission fee or emission tax. This means that a charge is to be levied for each pound of pollutant that is emitted. One of the objectives of this system is to set the fee at a sufficiently high level so as to provide a positive incentive for the continued reduction of emissions. This scheme is frequently represented by a graph of the emission fee rate and the marginal cost of pollution control. In Figure 1 the origin is set at BACT, the legal minimum of pollution control. M represents the maximum level of emissions reductions possible (emissions at BACT minus zero emissions). The emission fee is shown as a constant rate, while the marginal cost of pollution control is an increasing function, that is, higher levels of pollution control are increasingly more expensive in terms of dollars per additional pound of emission reduction. Any point (X) along the X axis from 0 to M represents a level of emission reduction. The emission fee to be paid at X is the emission fee rate (E) times the pounds of emissions left uncontrolled (M-X). The cost of control at X is the integral of the marginal cost curve from 0 to X.

If a company were able to choose any degree of emission reduction, it would choose the point X_1 where the emission fee rate intersects the marginal cost of control curve, as shown in Figure 1. At this point the emission fee to be paid is represented by the rectangle $MECX_1$, and the cost of added pollution

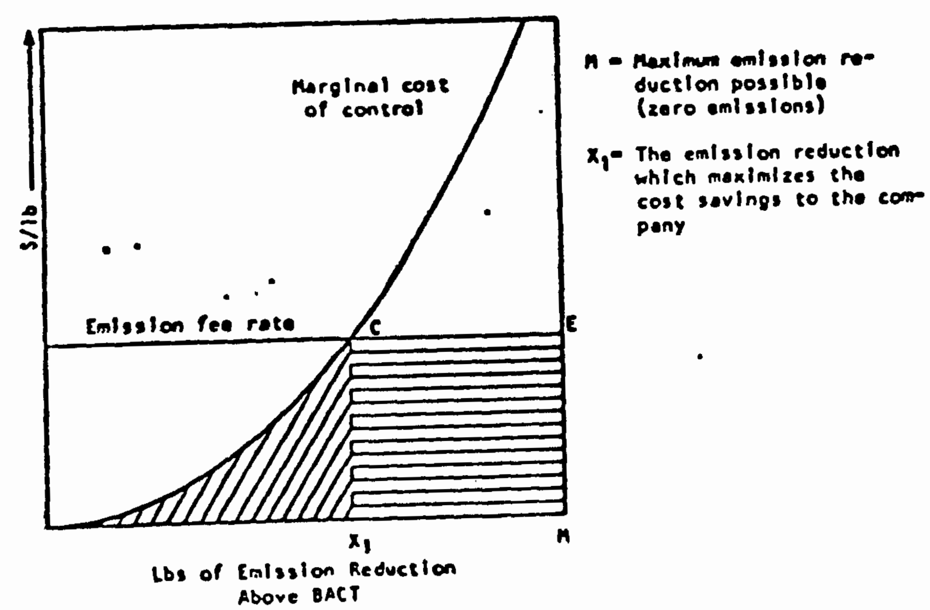


Figure 1. Emission Fee Rate and Marginal Cost of Pollution Control

control is represented by the area OCX_1. The sum of these two areas represents the total added cost to the company, which reaches a minimum when $X = X_1$.

Another objective of the emission fees system is to achieve an effective balance between the costs of pollution control and the benefits to be achieved for society. That is, the benefits should always outweigh the costs. This means that the emission fees that are imposed should reflect the costs that the given rate of emission will impose on the community and society as a whole.

Given this objective, the setting of emission fees involves a detailed analysis of the costs to society of a wide range of emission rates for each of the pollutants to be covered under the PSD program. The analysis must take into account all the long term and short term hazards to health, the effects on the ecology, the effects on climate, the effects on buildings, animals, and vegetation and any other effects that can be identified. While some of these effects may be considered aesthetic or subjective in nature, it will be necessary, nevertheless, to ascribe a dollar value to all of them. In this way the effects of a given rate of emission can be totaled, and the emission fee set equal to this amount.

Each company is motivated by its own self-interest to find efficient ways to reduce pollution and thereby reduce its costs. The emission fee system is used to simulate the function of a free market to benefit society as a whole.

Data Requirements

The data requirements for this alternative are:

- Estimated emissions from new major sources
- Meteorology at the location of the new source
- Estimated air quality levels as a result of the new source
- Detailed estimates of damages to society from the emissions remaining
- Marginal costs of control

Advantages

- o Compensates society for damages
- o Provides incentive to reduce emissions beyond the BACT level of control

Disadvantages

- o Marginal costs of control are frequently unknown
- o Marginal costs of control may be discontinuous function or step-function
- o Damages to society difficult to quantify
- o Difficult to set marginal benefit equal to marginal cost
- o Emission fee might be considered as license to pollute in lieu of reducing emissions beyond BACT
- o Industry may consider the fee an added burden

Implementability

The key to implementing this alternative is how to apply the emission fee concept to the PSD program. The purpose of the PSD program is to "prevent the significant deterioration of air quality" while it is the objective of the emission fees system to provide an incentive for emission reductions. There is no guarantee that the existence of the incentive will actually reduce emissions or prevent deterioration. In other words, once the societal benefits have been calculated and the fee schedule set forth, a company would still have the option of paying the fee and continuing to emit at the BACT level of control.

It will be noted that cost vs. benefit is a more poignant issue for the concept of PSD in clean areas than it is for non-attainment in dirty areas. First, the cost of pollution control is not linear in relation to percent reduction of emissions, but becomes increasingly expensive at higher levels of control, such as may be applied in PSD areas. Second, the benefits to society for additional levels of control are not as clearly evident as for the first levels of control. Once the NAAQS are achieved, the air quality is considered healthful, and further improvements must be based on secondary criteria, such as aesthetics, or damage to vegetation. Thus, at higher levels of pollution control the costs are mounting at an accelerated rate, while the more direct benefits to be achieved may be diminishing.

Unfortunately, the benefits to be achieved by emission reductions beyond BACT will depend upon the geographic location of the emission source. Geographic location implies the existence or absence of meteorological factors and topography which tends to disperse or concentrate pollutants. Location also implies the existence or absence of other pollutant sources which may exacerbate the pollution problem in the area and exaggerate the significance of the amount of emissions remaining after BACT has been applied to a single plant. Different localities vary considerably in their sensitivity to the effects of air pollution. Sensitivity depends upon the type of vegetation, the presence of sensitive species of plants and animals, or man-made structures which may deteriorate. Different localities also have different air pollution impacts upon the resident human population. Therefore, the benefits of given levels of emissions cannot be accurately assessed except for a specified time and space.

The costs of high levels of pollution control may also depend upon location to a certain degree. For example, the economic feasibility of trapping gases and particles in a liquid medium may depend upon the ability of a local wastewater treatment system to accommodate certain types of liquid wastes. Disposal of waste in a solid form may depend upon the existence of a special waste treatment plant or special landfill.

The geographic specificity of costs and benefits has two implications for an emission fees program. First, it is probably infeasible to construct an emission fee schedule that can be applied nationwide. Rather, it will be necessary to conduct a detailed study in the locality of each proposed plant using an area wide meteorological model. Then the air quality impacts must be translated into societal impacts and societal impacts translated into an emission fee schedule specific to the one plant in the one area for the specific time period. Second, these detailed studies will represent a substantial administrative burden and a significant additional cost to the PSD program.

Another concern regarding the implementation of emission fees is that the program may be perceived by industry differently than it is conceived by control agencies. The agency may conceive of the system as a positive, nonregulatory approach that will help industry to make balanced economic choices. Industry, by contrast, may not be able to see past the imposition of additional taxes or fees.

If a company is planning a new plant it must invest a great deal of time, effort, and money to meet the air pollution requirements of BACT. However, if it spends $10 million for pollution control equipment, it may face another $5-10 million in emission fees on top of its already sizeable capital requirements. (If fees are not set at high levels they cannot be effective.) Thus, while the source is already spending a great deal for a high degree of pollution control, it may feel that an unreasonable additional burden is being placed on it, whether it chooses to pay the fees or to add more controls.

Suggestions

Since Section 165 requires that BACT must be applied to every major stationary source, the emission fee system can really not be used in lieu of the BACT requirement for obtaining emission reductions. However, it can be used for obtaining controls beyond BACT to minimize the consumption of the increment. The fee could be set to reflect the cost of restoring the amount of increment that would be consumed by the emissions permitted after the application of BACT. If the cost of restoring the amount of increment consumed (fee) is greater than the cost of control beyond BACT, then additional control would be imposed. If not, the fee would be paid to the state and local agency which could use the fee to purchase reductions in the future to restore the increment to such a level as to permit additional growth. Since the fee would be used to purchase future offsets or reductions it must account for inflation etc. to ensure that the fee would be adequate to cover the entire cost of purchasing these emission reductions at a given point in time.

Comparison to Other Alternatives

This alternative could be used by itself or to supplement other alternatives in that it would ensure a more efficient use of the potential growth increment whether it be emission density, air quality or total emissions.

MARKETABLE PERMITS

Description of Alternative

The marketable permit alternative establishes a system whereby a permit to emit a certain fixed quantity of emissions is issued and that permit is transferable. Like an emission fee system, the cost of these permits provides an incentive to the source to minimize the quantity of emissions. Furthermore, the exact quantity of emissions within any one area can be regulated by limiting the number of marketable permits within that area.

Options

Not applicable.

Applicable Clean Air Act Section

Section 166(d) states:

> "The regulations of the Administrator under subsection (a) shall provide specific measures at least as effective as the increments established in section 163 to fulfill such goals and purposes, and may contain air quality increments, emission density requirements, or other measures."

Background Information

Transfer of development rights (TDR) or marketable permits is a novel approach to emission control which involves the right to emit air pollutants from a given source and transferring that right to another source. In principle it changes the focus of emission control from the individual source to a geographic area. In this sense TDR is quite similar to the emission quota or density strategies.

Much of the following description of the marketable permit approach is necessarily hypothetical. To date, marketable permits have not yet been used to control air pollutant emissions. Rather the concept comes from recent applications to landmark preservation, open space preservation, ecological resource protection, residential planning, community growth and land use regulation. The similarities between these recent applications and the potential application to air pollution control is striking.

The State or local air pollution control agency (or other agency assigned the responsibility) would identify a ceiling for pollutants emitted within either a large scale governmental unit (e.g., county, a metropolitan area, smaller scale wards or planning districts). This ceiling can be considered analogous to an allowable emission rate for the area and would be calculated through diffusion modeling of incremental changes in current allocation of emissions or through emission density zoning procedures. This allowable ceiling would be compared to a similarly generated actual emission rate. The difference between allowable and actual emissions would represent the immediate set of development rights that could be marketed for the region. If the regional totals are further subdivided into planning unit totals, then the local agency would have the option of assigning the above average amounts of allowable emissions to selected districts. The TDR market would then be subdivided into a number equal to the number of planning districts.

The local agency would issue (or continue in effect) permits specifying the allowable and actual emission rates for individual sources. It is possible that the owner of an emission source would be issued a certificate of development rights which would specify the amount of "undeveloped" emissions which he possesses.

An owner of any undeveloped piece of property or an existing emission source who desires to construct a new emitting facility would have to buy additional development rights on the open market (assuming he did not already possess a sufficient amount in on-hand certificates). This purchase could be either from those persons already possessing certificates of development rights or from the local agency, which would hold title to the difference between a region's allowable and actual emissions.

Owners of existing facilities who were not interested in further development of their facility would be able to sell their rights. In return they would have to give up the right to increase their emissions in the future. In this way the total allowable emissions for the region (or its districts) would not be exceeded. Development rights could be subjected to ad valorem taxation.

The local agency could serve one of the two following roles. It could act as a broker which identifies and links prospective developers, or it could act as the exclusive market for development rights. Hence, the local agency would require that all transactions take place through it. Market forces would dictate the price at which such development rights would be sold.

Data Requirements

The major data requirements for applying this concept to CO, VOC (O_3), and NO_2 and Pb are

- o A method of determining maximum allowable emissions for a region or subsets of the region; or, in other words, an accurate and reliable method of relating changes in emissions to acceptable changes in air quality,
- o A definition of what change in air quality is acceptable,
- o Disaggregation of large governmental units, such as states, into smaller, more manageable units, and
- o An accurate, up-to-date inventory of the existing distribution of permitted emissions, both allowable and actual.

Advantages

- o The need to model each individual new source would be eliminated,
- o Financial strain on government could possibly be lessened, and
- o Private market forces could render the process self-regulating.

Disadvantages

- The marketable permit concept only applies to stationary permittable sources. This excludes most CO sources, since motor vehicles contribute to over 80% of CO emissions. Similarly nearly one-half of VOC and NO_x emissions, both ozone precursors, are typically emitted by motor vehicles.
- A second major problem, which relates to the conversion of VOC and NO_x emissions to O_3 concentrations, has to do with the mechanism by which this conversion is made. Discussed more thoroughly in the section on emission quota strategies, an acceptable solution to this problem has yet to emerge.
- The novel and untested nature of the marketable permit might make the adoption of such a technique difficult. However, the financial benefits that could possibly accrue may nullify the strength of this argument.

Implementability

It is very likely that a marketable permit system could prove quite difficult to implement. First, the task of relating O_3 precursor emissions to allowable O_3 air quality increments may prove to be technically infeasible. Second, most O_3 precursor emissions and CO emissions are generated by sources that would not be covered by the system. Third, the marketable permit system would probably be managed by governmental officials who have little experience in market processes. Fourth, as a new and relatively untested method of air pollution control, the marketable permit system would face powerful and entrenched opposition in some areas.

Suggestions

Not applicable.

Comparison to Other Alternatives

While this technique will provide for a more economically efficient method of implementing the PSD program, it will require that detailed modeling be done in order to relate emissions to air quality and that because of this, many may be reluctant to implement it. Detailed guidance and information would be needed considerably in advance of the development of State programs.

"De Minimus" Level

Description of Alternative

This alternative would not require that a PSD program be developed for an area if the emissions or air quality levels were below a certain *de minimus* level.

Options

Not applicable.

Applicable Clean Air Act Section

Not applicable.

Background Information

Many counties or areas of the United States have relatively low emission or air quality levels for CO, ozone, NO_2 and Pb. Some of these areas are also not projected to have a significant amount of growth for the next 10-20 years. Thus a significant growth in emissions is not expected for the area and the air quality or emission levels are expected to stay relatively stable for the next several years.

Data Requirements

The data requirements to implement this alternative are:

- Comprehensive and current inventory for a given local area
- Emission estimates for all new major and minor sources
- Mechanism to periodically update emission inventory
- Growth projections for the given local area.

Advantages

- Avoids the complex procedures and mechanisms associated with a program to review sources on a case-by-case basis with respect to control technology and air quality impact until such time as the growth would become significant.

- Avoids case-by-case review of the one or two smaller major sources which might locate in an area as long as the emissions or air quality concentrations for the area are below some specified level (i.e. de minimus levels).
- Avoids detailed periodic assessments - a mere accumulation or tracking of emissions to date should be all that is needed.

Disadvantages

- Would permit some deterioration to take place up to the de minimus level.
- Might encourage rapid growth within certain areas because they would not be required to have a PSD program involving control technology and air quality impact reviewed on a case-by-case basis.
- Would give some areas an economic advantage over others that would not otherwise have been without the de minimus concept (i.e., one area might be selected over another because of the lack of a detailed program).

Implementability

This alternative would be very easy to implement. The only major difficulty is the determination of the de minimus levels below which no program would be needed. There will be considerable agrument over how many emissions or what air quality level is considered to be so low as to not be of concern under PSD.

Suggestions

Not applicable.

Comparison to Other Alternatives

Since this program addresses more where the program should apply than how it should apply, it can not be compared to the other alternatives which suggest specific ways in which the program could be implemented. It does however limit the extent of the program to only those areas where the emission and/or air quality levels are such that some deterioration of these levels would be of concern and a detailed program to prevent significant deterioration is needed. This approach would be less restrictive that the other alternatives as they would require implementation for all areas independent of the current air quality or emission levels for the area. This alternative could be used in connection with some of the other alternatives and as such is not mutually exclusive.

TRANSPORTATION BACT

Description of Alternative

Performance standards for transportation related sources would be developed. These performance standards would be aimed at minimizing congestion. Transportation-related sources would be required to meet these performance standards in the name of Best Available Control Technology (BACT).

Options

Not applicable.

Applicable Clean Air Act Section

Section 110(a)(5)(A)-(D) states that

"Any state may include in a State implementation plan, but the Administrator may not require as a condition of approval of such plan under this section, any indirect source review program. The Administrator may approve and enforce, as part of an applicable implementation plan, an indirect source review program which the State chooses to adopt and submit as part of its plan.

(ii) Except as provided in subparagraph (B), no plan promulgated by the Administrator shall include any indirect source review program for any air quality control region, or portion thereof.

(iii) Any State may revise an applicable implementation plan approved under section 110(a) to suspend or revoke any such program included in such plan, provided that such plan meets the requirements of this section.

(B) The Administrator shall have the authority to promulgate, implement and enforce regulations under section 110(c) respecting indirect source review programs which apply only to federally assisted highways, airports, and other major federally assisted indirect sources and federally owned or operated indirect sources.

(C) For purposes of this paragraph, the term "indirect source" means a facility, building, structure, installation, real property, road, or highway which attracts, or may attract, mobile sources of pollution. Such term includes parking lots, parking garages, and other facilities subject to any measure for management of parking supply (within the meaning of section 110(c)(2)(D)(ii), including regulation of existing off-street parking but such term does not include new or existing on-street parking. Direct emissions sources or facilities at, within, or associated with, any indirect source shall not be deemed indirect sources for the purpose of this paragraph.

(D) For purposes of this paragraph the term "indirect source review program" means the facility-by-facility review of indirect sources of air pollution, including such measures as are necessary to assure, or assist in assuring, that a new or modified indirect source will not attract mobile sources of air pollution, the emissions from which would cause or contribute to air pollution concentrations--

(i) exceeding any national primary ambient air quality standard for a mobile source-related air pollutant after the primary standard attainment date, or

(ii) preventing maintenance of any such standard after such date."

Background Information

Approximately 82%, 41%, 45% and 88% of the nationwide emissions for CO, VOC, NO_x, and Pb respectively are from motor vehicle related sources. Therefore any further control beyond that currently required by the Federal Motor Vehicle Control Program would have a significant impact on the PSD program for these pollutants.

This alternative presents a mechanism whereby some additional control may be imposed on transportation sources. It does not constitute a preconstruction review by any means where the source's impact upon air quality is evaluated and a decision to grant or deny a permit is made. It merely requires that all sources of HC, CO, NO_x, and Pb emissions greater than 250 tons/year must apply BACT as required under the Act. This would apply to both stationary and mobile sources. The BACT review for a mobile source would not constitute a case-by-case assessment but would require that the facility be constructed in such a manner that the emissions would be minimized to the extent that these specifications would represent BACT for transportation sources.

Section 110 of the Act seems to preclude facility-by-facility review of sources to assure that they would not attract mobile sources, the emissions of which would contribute to air quality levels exceeding any NAAQS or preventing the maintenance of any NAAQS. These facility-by-facility reviews would require an air quality assessment and a certification that emissions from mobile sources attracted to this facility would not violate certain air quality levels. The transportation BACT requirement would not be in this same vein. It would establish certain procedures or performance standards for these facilities to minimize the emissions to the maximum extent possible and no further review or certification would be required. That is, there would not be a review against any predetermined air quality levels and an ultimate approval or denial. This air quality assessment would have to be accomplished after the facility became operational through monitored air quality values. If violations are noted then the State plan would have to be revised to correct the noted violations which could require some retrofit of controls or the imposition of certain transportation control measures such as staggered work hours, car pooling, etc.

Data Requirements

The data requirements to implement this alternative are:

- o Performance guides or standards for motor vehicle or transportation related sources
- o Motor vehicle emission estimates

Advantages

- o Provides means of controlling motor vehicle related emissions
- o Would minimize congestion as well as reducing emissions
- o More equitable in that motor vehicle related sources would be sharing more of the control costs with stationary sources.

Disadvantages

- o May still be construed as some type of indirect source review in that the sources would be reviewed to ensure that they were meeting the performance standard.

- May be difficult to provide guidance on what constitutes BACT for motor vehicle or transportation related sources.

Implementability

This alternative theoretically would be easier to implement than many of the other alternatives in that the State or local agency would only have to ensure that the source had met the particular performance standard. However, because of the opposition to transportation control measures in a number of nonattainment areas, this alternative can expect to run into some stiff opposition wherever it might be imposed. Additionally there may be some difficulty in developing the performance standards to represent BACT as there was considerable work and concern over the development of RACT for certain transportation sources for the nonattainment plans.

Suggestions

This alternative permits one to obtain some "handle" on motor vehicles emissions. No modification or suggestion is needed regarding this alternative if the general public would accept the imposition of these measures. Because of the potential for some opposition it may be beneficial to develop some type of educational program which would inform the public of transportation as well as air quality benefits obtained by imposing these measures. This would greatly facilitate the implementation of this alternative.

Comparison to Other Alternatives

Since this is such a specialized alternative it can not really be compared to the other alternatives that have been proposed. It does attempt to resolve some of the potential inequities of a PSD program that cannot require the preconstruction review of indirect sources and which would therefore have to place a great deal of the burden for preventing significant deterioration on stationary sources which for some pollutants are only minor contributors to the over air quality levels.

INDIRECT SOURCE REVIEW OF FEDERALLY ASSISTED PROJECTS

Description of Alternative

PSD review would be conducted for all Federally funded or assisted indirect sources and Federally-owned or operated indirect sources.

Options

Not applicable.

Applicable Clean Air Act Section

Section 110(a)(5)(A)-(D) states that

"Any State may include in a State implementation plan, but the Administrator may not require as a condition of approval of such plan under this section, any indirect source review program. The Administrator may approve and enforce, as part of an applicable implementation plan, an indirect source review program which the State chooses to adopt and submit as part of its plan.

(ii) Except as provided in subparagraph (B), no plan promulgated by the Administrator shall include any indirect source review program for any air quality control region, or portion thereof.

(iii) Any State may revise an applicable implementation plan approved under section 110(a) to suspend or revoke any such program included in such plan, provided that such plan meets the requirements of this section.

(B) The Administrator shall have the authority to promulgate, implement and enforce regulations under section 110(c) respecting indirect source review programs which apply only to federally assisted highways, airports, and other major federally assisted indirect sources and federally owned or operated indirect sources.

(C) For purposes of this paragraph, the term "indirect source" means a facility, building, structure, installation, real property, road, or highway which attracts, or may attract, mobile sources of pollution. Such term includes parking lots, parking garages, and other facilities subject to any measure for management of parking supply (within the meaning of section 110(c)(2)(D)(ii), including regulation of existing off-street parking but such term does not include new or existing on-street parking. Direct emissions sources or facilities at, within, or associated with, any indirect source shall not be deemed indirect sources for the purpose of this paragraph.

(D) For purposes of this paragraph the term "indirect source review program" means the facility-by-facility review of indirect sources of air pollution, including such measures as are necessary to assure, or assist in assuring, that a new or modified indirect source will not attract mobile sources of air pollution, the emissions from which would cause or contribute to air pollution concentrations--

(i) exceeding any national primary ambient air quality standard for a mobile source-related air pollutant after the primary standard attainment date, or

(ii) preventing maintenance of any such standard after such date.

Background Information

Since 82%, 41%, 45%, and 80% of the nationwide emissions for CO, VOC, NO_x, and Pb, respectively, are from motor vehicle related sources. The review of new motor vehicle related emission would seem to be a vital part of any program to protect against significant deterioration for these pollutants. However, the Administrator is precluded by Section 110(a)(5)(A-D) from requiring a State to conduct some type of review of these mobile source related emissions as part of an indirect source review program. While the Administrator is precluded from requiring the State to conduct such a program, he can promulgate regulations where EPA can conduct a review of Federally assisted indirect sources.

The types of projects, for example, which are Federally-funded or which may receive some Federal assistance are:

- airports,
- highways,
- sewage treatment facilities, and
- projects constructed under grants for urban redevelopment (e.g., apartment complexes, low income housing, etc.).
- sport complexes which may be a part of a community redevelopment effort.

Even though the Clean Air Act prohibits indirect source review of other than Federally owned or funded, it requires that the transportation planning be required in those areas which are unable to attain or maintain the NAAQS. Therefore, it would seem that transportation planning or control could be used to prevent significant deterioration as well. While the Clean Air Act calls for transportation planning, the Federal transportation statutes requires "policies and programs conducive to provision of fast, safe, efficient, and convenient transportation at the lowest cost consistent therewith." Independently of each other, the Clean Air Act and transportation statutes each require a planning process and provide funding to assure that the seemingly opposite objectives of the respective statutes are attained. Recently Federal requirements for transportation elements of air quality planning have been merged into the requirements of the single metropolitan transportation planning process. Therefore one planning process can now produce the planning under the Federal Highway and mass transportation statutes.

The most significant milestone in metropolitan transportation planning process was the Federal-Aid Highway Act of 1962. This Act prohibited Federal aid for highway projects in any urban area over 50,000 population unless the projects are based on the continuing and comprehensive transportation plan. Funding for such planning is still available and amounts to one and one-half percent of Federal Aid Highway funds authorized for highway planning and research. These funds may be used by States for statewide, metropolitan, or corridor planning. The 1973 Highway Act earmarked one-half percent of Federal aid funds for metropolitan planning organizations (MPO's) designated by the State. This funding amounts to over $100 million annually.

The Urban Mass Transportation Act of 1964 provides $40 million annually to finance planning programs for unified urban transportation systems.

The Airport and Airways Development Act of 1970 provides for airport planning. Approximately $4 million annually is available to encourage States and metropolitan agencies to consider total airport needs in relation to land use and environmental quality.

Additionally, these highway, mass transit and airport acts require that Federal-aid construction funds go only to those projects that are consistant with adopted area-wide development plans.

Currently transportation planning in metropolitan areas is coordinated by single locally developed DOT-approved "unified planning work program" which incorporates all transportation planning regardless of funding. Federal coordination is further enhanced by the established of the intermodal planning groups (IPG's) at the Federal regional level. These IPG's often include besides the DOT elements, the Department of Housing and Urban Development and the Environmental Protection Agency. Finally a single DOT certification applies to highway and mass transportation modal programs with limitation on capital expenditures if a metropolitan area plan is not acceptable. There are presently 300 urban areas across the country with a population of over 50,000 where this unified work program approach is being carried out.

In November 1978, Congress passed the Surface Transportation Assistance Act of 1978 which called for an interdepartmental coordinated investigation and study on the need for rationalizing and integrating Federal programs. This study is to be done by DOT, DOE, HUD, DOC, EPA, and OMB. The study will investigate the factors affecting:

o Intergration of clean air, energy, mass transportation and highways acts,

o Parallel among rules, regulations, etc., developed pursuant to these acts,

o The availability and coordination of funding sources to achieve improved air quality, energy conservation and transportation efficiency, and

o Degree to which growth, development and funding is predicated upon compliance with the Clean Air Act.

This study is currently underway.

Data Requirements

The data needed to implement this alternative includes:

o Emission estimates for these indirect sources.

o Emission estimates for those secondary emissions which may result from the operation of these sources.

o Information on what sources may be Federally owned or funded.

o List of control measures or alternatives which could be used to minimize the emissions to the maximum extent possible given the definition of BACT.

Advantages

o Would provide a means of controlling transportation related sources.

o Provides for a more equitable treatment of both point and area sources

o Would provide a means of reviewing indirect sources prior to construction to ensure that they would not cause the increments or standards to be violated upon operation.

o Provide for a more complete PSD program in terms of sources which may contribute to increment consumption.

Disadvantages

o Not sure at this time what percent of indirect sources are Federally owned or funded.

o The impact in terms of air quality and emissions as a result of conducting these reviews is uncertain until more emission data become available.

o May be an unnecessary duplication of effort if a majority of these projects are already being reviewed for consistency with the unified work plan and the environmental goals for the area.

o Creates another level of review for projects which are already heavily overburdened with review and evaluation.

o One set of indirect sources (i.e., Federally funded are treated differently than another (non-Federally funded).

o Keeps a portion of the PSD program in the hands of the Federal Government.

o Delays total implementation of the PSD program by the State.

o Will require additional manpower and funding at the Federal level to implement.

Comparison to Other Alternatives

This alternative only handles a subset of the sources which are contributing to the potential significant deterioration of air quality for O_3, CO, NO_2, and Pb. As such it is not an alternative which can be implemented by itself in the name of a total PSD program. It does, however, permit both mobile and stationary sources to undergo preconstruction review and removes some of the burden from stationary sources regarding control requirements for PSD. It appears that to the extent possible, any additional regulatory requirements for indirect or transportation-related sources should be avoided if the current review process can accomplish the same overall objective without involving another level of review which could be extremely duplicative.

APPENDIX B

RECOMMENDED CRITERIA

A number of alternatives were suggested in Section 2 for implementing the PSD program for VOC or HC, O_3, CO, NO_x, and Pb, and each alternative has certain advantages and disadvantages. To systemically select the alternatives which should be evaluated in more detail, criteria were developed. The criteria, wherever possible, provide for a quantitative assessment. However, in most cases, the data do not exist for a quantitative assessment and only a qualitative assessment can be performed. With respect to a qualitative assessment, each alternative must be compared in terms of its relative impact rather than its absolute impact since each alternative has disadvantages that limit its capability for completely fulfilling the criteria.

TECHNICAL FEASIBILITY

The first criterion recommended for consideration is technical feasibility. This criterion is critical to the implementation of a program. Compromising on this criterion would create serious problems. If an alternative is technically infeasible, the program is doomed to failure. If the tools to implement the program are either lacking or technically unsound, the results will be highly questionable and subject to challenge. A State or local agency with limited resources cannot be expected to develop a program which lacks the technical tools for implementing it.

What factors affect the technical feasibility of an alternative? It must be adequately demonstrated that an alternative has been implemented or that there is adequate documentation (or references) to indicate that this approach has been tested on a pilot or demonstration scale, and that there are no known technical reasons for not implementing the approach on a full scale. Technical feasibility also implies a minimum level of reliability--that is, the alternative will produce reproducible results upon which decisions of issuance or denial can be made.

ECONOMIC FEASIBILITY

The second criterion is economic feasibility. What will be the costs of implementing this alternative? The overall cost of the program will have some impact on what type of program is developed. That is, as long as the alternative will ensure that the basic objectives of the Clean Air Act are met for PSD, the alternative which imposes the least cost should receive the highest consideration.

Economic impact deals with new costs that must be borne and with how these costs will be distributed. Two elements of the costs are:

the impact on the national economy and

the impact on the industrial sector.

A detailed assessment of cost should be conducted when the list of alternatives is narrowed. However, for the purposes of comparing all the alternatives, each alternative is ordered with the most cost intensive alternative receiving the lowest ranking, and the least cost intensive the highest.

LEGAL FEASIBILITY

The third criterion is the legality of the alternative. Legally, can an alternative be implemented, or is it indirectly or directly precluded by current legislation? Would an alternative directly violate a key provision of the Act?

BASIC OBJECTIVES OF THE ACT

The fourth criterion is the capability of the alternative to meet the objectives of the Act and its associated legislative history. The Act sets forth the following objectives for the PSD program:

Protect public health and welfare from any adverse affect,

Preserve, protect, and enhance the air quality in certain Federal lands,

Ensure that economic growth will occur consistent with the preservation of existing clean air resources, Assure that emissions will not interfere with any portion of applicable PSD State Implementation Plan in another State, and

Assure that any increase in emissions is permitted only after careful evaluation and public participation.

Section 166 of the Act also outlines elements that should be considered in developing a PSD program for pollutants other than TSP and SO_2.

Provide specific numerical measures against which applications for preconstruction permits may be evaluated,

Ensure that these measures are at least as effective as those under Section 163 (increments).

The above objectives (or requirements) will be key elements in determining whether an alternative will meet the basic objectives of the PSD program.

ADMINISTRATIVE FEASIBILITY

The fifth criterion is administrative feasibility. The capability of an organization to carryout an alternative will be extremely important if the PSD program for VOC or HC, O_3, CO, NO_x, and Pb is to be implemented in the manner in which it was conceived. The most technically complete plan will not be implemented if the State and local agencies do not have the administrative capability to carry it out. Three considerations are essential for assessing administrative feasibility.

Does the alternative require the State or local agency to develop a new administrative structure to implement it?

Does the alternative represent an approach which is similar to an existing program, so that the agency is relatively familiar with the basic procedures that must be used?

Does the alternative represent the fulfillment of objectives which can be clearly understood by the current State or local agency personnel?

If numerical objectives or indicators are used, the alternative contains some built-in indicators for evaluating its success; however, the indicators should be realistic, and the objective should be attainable for a program to be administratively feasible.

COMPATIBILITY WITH CURRENT PROGRAM

The sixth criterion is compatibility with the current PSD program. Administrative feasibility is greatly enhanced by the compatibility of the alternative with the current PSD program. Because the sources subject to review will be familiar with many of the basic requirements of the PSD program, compatibility will reduce the amount of time needed to submit requests for preconstruction permits. Also the potential for administrative delay or legal challenges may be avoided because of previous precedents or interpretations of the basic requirements.

SIMPLICITY

The seventh criterion is simplicity. If the alternative is too complex to be implemented by the majority of State or local agencies or if it requires unique expertise or knowledge not currently contained within the State or local agency, the alternative will not be effectively implemented. An easily, understood alternative will:

simplify the State or local agency's administering of the program

help sources to prepare permit applications without extensive use of manpower or dollars, and

help the public to participate in the decisionmaking process.

PUBLIC PARTICIPATION

The eighth criterion is encouragement of public participation. Public involvement is one of the basic objectives of the Act, and it is an important criterion for assessing the overall effectiveness of an alternative. Precluding public involvement will severely limit the effectiveness of the alternative in preventing significant deterioration.

ADMINISTRATIVE COSTS

The ninth criterion is administrative costs. These costs are generally considered to be the cost of administrative personnel and the cost of equipment, supplies, and office space. For PSD, these costs would not include the cost imposed on the source for completing the application or for complying with the requirements but would include:

the cost of additional monitoring by government agencies, the cost of any applied research required by the implementation of an alternative, and

the cost incurred by State and local agencies other than the air pollution agency to assist in the implementation of an alternative.

POLITICAL FEASIBILITY

The tenth criterion is political feasibility. Though several alternatives are technically and economically feasible, they may require drastic changes in the way the current PSD program is carried out and may present some unfavorable situations from a sociopolitical prospective. For example, alternatives which do not provide definitive absolute criteria upon which a denial can be based will be open to a political negotiation. Additionally, some alternatives may require changes in the life style of the local community, which (if past actions are any guide) will cause considerable concern and severe political problems for the State or local agency. The factors to be considered in determining the political feasibility of an alternative are:

uniqueness of the alternative,

provision of absolute criteria for approval/disapproval of permits, and

the potential for changing the life style of the local community or the current method of air quality management.

IMPACT MEASURES

The eleventh and final criterion is how well the alternative will protect air quality--the ultimate measure of significant deterioration. Some alternatives will provide a direct measure of potential air quality impact, others will provide an indirect measure, and still others will provide no measure. The factors to be considered are:

Does the alternative prevent clustering?

Can the air quality standards be protected?

Can the margin for growth be tracked?

Is there a direct or an indirect measure of the air quality impact of a source or group of sources?

APPENDIX C

ISSUE DESCRIPTIONS

ISSUES

INDIRECT SOURCE REVIEW

Description of Issue

How can the air quality of pristine areas of the country best be protected against significant deterioration in situations where emissions from indirect sources represent the most significant threat?

Applicable Clean Air Act Section

Section 110(a)(5)(A)-(D) states that

"Any State may include in a State implementation plan, but the Administrator may not require as a condition of approval of such plan under this section, any indirect source review program. The Administrator may approve and enforce, as part of an applicable implementation plan, an indirect source review program which the State chooses to adopt and submit as part of its plan.

(ii) Except as provided in subparagraph (B), no plan promulgated by the Administrator shall include any indirect source review program for any air quality control region, or portion thereof.

(iii) Any State may revise an applicable implementation plan approved under section 110(a) to suspend or revoke any such program included in such plan, provided that such plan meets the requirements of this section.

(B) The Administrator shall have the authority to promulgate, implement and enforce regulations under section 110(c) respecting indirect source review programs which apply only to federally assisted highways, airports, and other major federally assisted indirect sources and federally owned or operated indirect sources.

(C) For purposes of this paragraph, the term "indirect source" means a facility, building, structure, installation, real property, road, or highway which attracts, or may attract, mobile sources of pollution. Such term includes parking lots, parking garages, and other facilities subject to any measure for management of parking supply (within the meaning of section 110(c)(2)(D)(ii), including regulation of existing off-street parking but such term does not include new or existing on-street parking. Direct emissions sources or facilities at, within, or associated with, any indirect source shall not be deemed indirect sources for the purpose of this paragraph.

(D) For purposes of this paragraph the term "indirect source review program" means the facility-by-facility review of indirect sources of air pollution, including such measures as are necessary to assure, or assist in assuring, that a new or modified indirect source will not attract mobile sources of air pollution, the emissions from which would cause or contribute to air pollution concentrations--

(i) exceeding any national primary ambient air quality standard for a mobile source-related air pollutant after the primary standard attainment date, or

(ii) preventing maintenance of any such standard after such date.

Major Implications

Because motor vehicle related emissions are major portions of the nationwide emissions for CO, VOC, NO_x, and Pb (82%, 41%, 45%, and 88% respectively) the review of new motor vehicle emissions would seem critical to any program to protect against significant deterioration for those pollutants.

Pros

- Without the preconstruction review of these sources a considerable amount of the available growth increment will be consumed;
- Indirect source review would prevent violations of the growth increment from taking place; and
- Indirect source review would provide a more equitable review as far as new stationary and mobile sources are concerned.

Cons

- Without indirect source review a much greater burden for control and protection of the increment will fall on new stationary sources and on existing stationary sources if violations of the increment are discovered as a result of unreviewed minor source growth. Violations will be remedied in most cases by requiring tighter controls on existing sources to lower the emissions to a level equal to or less than the prescribed growth increment.

- o Requiring indirect source review as part of the PSD program for Set II pollutants would seem to violate the Act in section 110(a)(5) and the legal opinions of the Office of the General Counsel.

Recommendations

It is recommended that the indirect source preconstruction review option be omitted based on the attached memo from P. Wyckoff to R. Rhoads dated August 7, 1979 concerning indirect source review under section 166. However, some indirect source review may be possible through another route. Section 316 of the Act dealing with sewage treatment grants states:

> "No grant which the Administrator is authorized to make to any applicant for construction of sewage treatment works in any area in any State may be withheld, conditioned, or restricted by the Administrator on the basis of any requirement of this Act except as provided in subsection (b).
>
> (b) The Administrator may withhold, condition, or restrict the making of any grant for construction referred to in subsection (a) only if he determines that--
>
> (1) such treatment works will not comply with applicable standards under section 111 or 112,
>
> (2) the State does not have in effect, or is not carrying out, a State implementation plan approved by the Administrator which expressly quantifies and provides for the increase in emissions of each air pollutant (from stationary and mobile sources in any area to which part C or part D of title I applies for such pollutant) which increase may reasonably be anticipated to result directly or indirectly from the new sewage treatment capacity which would be created by such construction.
>
> (3) the construction of such treatment works would create new sewage treatment capacity which--
>
> (A) may reasonably be anticipated to cause or contribute to, directly or indirectly, an increase in emissions of any air pollutant in excess of the increase provided for under the provisions referred to in paragraph (2) for any such area, or
>
> (B) would otherwise not be in conformity with the applicable implementation plan, or

(4) such increase in emissions would be in conformity with, or be inconsistent with, the applicable implementation plan for any other State.

In the case of construction of a treatment works which would result, directly or indirectly, in an increase in emissions of any air pollutant from stationary and mobile sources in an area to which part D of title I applies the quantification of emissions referred to in paragraph (2) shall include the emissions of any such pollutant resulting directly or indirectly from areawide and nonmajor stationary source growth (mobile and stationary) for each such area."

Therefore, even though the PSD regulations cannot require indirect source review, EPA can use its authority under section 316 to deny funding to those projects which would cause significant deterioration. Privately funded projects could be constructed without any prior review but could not operate in those cases where an operating permit might be required, if its operation would cause or contribute to a violation of the National Ambient Air Quality Standard or any growth increment established under a PSD program. However many states do not have an operating permit program and even those which do, do not currently require sewage treatment plants or indirect sources to obtain an operating permit. This, however, could be changed such that these sources could at least be prohibited from operating if they would violate an increment or the NAAQS. Without this change, indirect sources could begin operation and violations would not be noted until a new PSD application was received which contained an assessment of the minor source growth (i.e., those sources not required to obtain a permit) that had taken place since the last permit had been issued for the area.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
August 7, 1979

MEMORANDUM

OFFICE OF
GENERAL COUNSEL

SUBJECT: Indirect Source Review Under Section 166

FROM: Peter H. Wyckoff, Attorney PHW
Air, Noise and Radiation Division (A-133)

THRU: Michael A. James, Associate General Counsel MAJ
Air, Noise and Radiation Division (A-133)

TO: Richard G. Rhoads, Director
Control Programs Development Division (MD-15)

This is in response to your memorandum of June 27, 1979, relating to indirect source review under Section 166 of the Clean Air Act.

BACKGROUND

In accordance with Section 166, the agency has begun the development of PSD regulations for hydrocarbons (HC), carbon monoxide (CO), ozone (O_3) and nitrogen oxides (NO_x). In many clean air areas, motor vehicles are and will continue to be the principal sources of those pollutants. Hence, a PSD program for HC, CO, O_3 and NO_x would be substantially more effective with indirect source review, than without it. 1/ Section 110(a)(5), however, appears to prohibit EPA as a general rule from requiring a state to include a program of indirect source review in its implementation plan (SIP) and from itself inserting such a program into a SIP.

1/ An indirect source is one that "attracts, or may attract, mobile sources of pollution." Section 110 (a)(5)(C), 42 U.S.C. §7410(a)(5)(C). Examples of indirect sources are shopping centers, airports, highways, apartment complexes, parking lots, office buildings and sports arenas. H.R. Rep. No. 95-294, 95th Cong., 1st Sess. 220 (1977) (1977 House Report).

QUESTION

May EPA require under Section 166 that a SIP contain an indirect source review program for PSD purposes?

ANSWER

No, it may not, except with respect to federally assisted, owned or operated indirect sources.

DISCUSSION

Taken at face value, Section 110(a)(5) gives the above answer unambiguously. It provides that "the Administrator may not require as a condition of approval of [a SIP]. . . any indirect source review program." 42 U.S.C. §7410(a)(5)(A)(i) (emphasis added). It adds that "no plan promulgated by the Administrator [may] include any [such] program," unless it would apply "only to federally assisted highways, airports, and other major federally assisted indirect sources and federally owned or operated indirect sources." Id. §7410(a)(5)(A)(ii), (B) (emphasis added).

We can find no basis in the statute or its legislative history for not taking Section 110(a)(5) at face value. You suggest that Congress may have intended the prohibition to apply only with respect to nonattainment problems, since preventing HC, CO, O_3 and NO_x from significantly polluting clean air would be extremely difficult in some areas without indirect source review. The legislative history, however, undercuts that suggestion. Section 110(a)(5) evolved from the 1977 House bill. See H.R. Rep. No. 95-564, 95th Cong., 1st Sess. 126 (1977) (Conference Report). That bill would have allowed EPA to impose indirect source review for the purpose of attaining a national ambient air quality standard by a statutory deadline, but only as a last resort. See 1977 House Report, at 222-23, 227. So long as any other means existed to attain the standard by the deadline, the Administrator would in general have had no power to impose such review. The conferees, however, rejected even that approach. See Conference Report, at 126. They decided apparently that it was too inequitable even in the worst of nonattainment circumstances to transfer "from the motor vehicle manufacturers to the public and to indirect source owners and operators the burden of protecting public health from dangerous vehicle emissions." 1977 House Report, at 221. In view of that decision, we must conclude that the conferees ~~intended~~ EPA to have the power to impose indirect source review in even the worst of PSD circumstances.

cc: David G. Foster

did not intend

BASELINE

Description of Issue

How should the baseline be defined? What is the baseline date? What actions would be counted in determining increment consumption? How would industrial, commercial, and other sources be affected by the various alternatives?

Applicable Clean Air Act Section

Section 169(4) states:

> "The term "baseline concentration" means, with respect to a pollutant, the ambient concentration levels which exist at the time of the first application for a permit in an area subject to this part, based on air quality data available in the Environmental Protection Agency or a State air pollution control agency and on such monitoring data as the permit applicant is required to submit. Such ambient concentration levels shall take into account all projected emissions in, or which may affect, such area from any major emitting facility on which construction commenced prior to January 6, 1975, but which has not begun operation by the date of the baseline air quality concentration determination. Emissions of sulfur oxides and particulate matter from any major emitting facility on which construction commenced after January 6, 1975, shall not be included in the baseline and shall be counted against the maximum allowable increases in pollutant concentrations established under this part."

Major Implications

EPA's current regulations set a uniform baseline of August 7, 1977 for TSP and SO_2. The court in Alabama Power found that this uniform baseline date deviated impermissibly from Section 169(4) of the Act. As a consequence of the Court's decision, EPA proposes to remove the uniform date and set the baseline concentration at the time after August 7, 1977, of the final application for a permit in an area subject to this regulation. In order to implement this definition EPA generally intends to define area subject to this part on the basis of AQCR's. When a major stationary source for any pollutant regulated under the Act applies for a PSD permit in any part of an AQCR designated as unclassifiable or attainment under Section 107, this action establishes the baseline date for both particulate matter and SO_2 in all parts of the AQCR that are designated attainment or unclassified for these pollutants. If, however, the State in its revised SIP for PSD wishes to define area as narrowly as a designated portion of an AQCR this might have the effect of establishing a later baseline date for some areas and increasing the amounts of increment available for growth. The baseline area could also be defined as the area where the source would have its impact. This would necessitate the establishment of detailed and sometimes cumbersome recordkeeping procedures. As more sources apply for PSD permits, areas of source impact would begin to overlap and the system would grow considerable more complex.

Since the baseline definition only triggers the date for consumption of the TSP and SO_2 increment, there is some question over which date triggers the consumption of the growth increment for ozone, CO, NO_2, and Pb. Since the baseline date for TSP and SO_2 is established at the time of the first permit for a major stationary source of any pollutant regulated under the act within the area, it would seem that this should also be the date for establishing the baseline for ozone, CO, NO_2, and Pb. That is, new growth is taking place in an area and its impact should be considered in any significant deterioration program regardless of pollutant. In the above definition if a major VOC stationary source is the first permit in the area it would establish the date after which all TSP or SO_2 growth would consume increment whether it is a major stationary source of TSP or SO_2 or not, i.e., minor source growth. Therefore it would seem reasonable that this same idea would hold true concerning the Set II pollutants. This would mean, however, that major as well as minor source growth would be consuming the margin for growth whether it be emission, air quality, etc., without a review until the PSD Set II regulations concerning increment review would become effective.

By using the above definition of baseline the growth prior to the promulgation of the final regulations for PSD Set II would go unreviewed until the first permit after the effective date of the PSD Set II program. The entire burden for all minor and major source growth for that pollutant would then be placed on the review of this first permit. In some cases the entire growth increment may have been more than used up by this previous growth and the source applying for a permit would have to offset the entire amount over the allowable margin for growth before it could receive approval.

If the baseline date for Set II is not set at the time of any permit after August 7 and is set at the first permit after proposal then the growth taking place between August 7 to the time of proposal would be factored into the baseline. In some cases where growth is rapidly taking place the baseline levels will be so high that there will be very little if any margin for growth available because there may be very little difference if any, between the baseline air quality level and the ceiling or the NAAQS.

The baseline date could also be the date on which the PSD Set II regulations were to have been established, August 7, 1979. That is, any source which had received a permit and which commenced construction prior to that date would be considered as part of the baseline and any of those not commencing construction would consume increments. However, it would necessitate a retroactive type regulation to implement this program.

Pros

- Baseline defined as first permit after August 7 will ensure protection of air quality to the maximum.
- Would be consistent with Set I.

Cons

- Sources will be consuming increment without review. If first permit after August 7, 1977 is used.
- Will place real burden on first source after program is effective.
- Raises retroactivity issue.

- Time of proposal baseline date would permit considerable growth to be factored into the baseline. This could limit the PSD program because the baseline level could be permitted to increase to such a point that the baseline air quality would equal the national ambient air quality standard (NAAQS) or to such a point where less than the full increment would be available for use as the baseline plus increment would equal a level greater than the NAAQS.

Recommendations

There are no specific recommendations at this time until further analysis of the issue is completed.

INCREMENT ALLOCATION

Description of Issue

What methodologies, other than first-come-first-served, exist for determining increment allocation?

Applicable Clean Air Act Section

Not applicable.

Major Implications

The issue of how permits will be approved or how the particular growth increment will be allocated is not unique to the PSD Set II program; this issue was first addressed in the June 19, 1978 PSD regulations for particulate matter and sulfur dioxide. In the preamble to these regulations, EPA stated that states, in developing their PSD plans for particulate matter and sulfur dioxide, must specify the measures to be used in allocating the available increment. The states were encouraged to examine alternative approaches to the allocation of available increment in order to provide a system which would accomplish their individual growth and planning objectives. EPA initiated a study to evaluate various economic incentives to supplement or replace the current first-come-first-served system for allocating the increment. This study is currently ongoing and no preliminary results are available. Some possible alternatives to supplement or replace the current first-come-first-served method of allocating the increment are marketable permits, emission fees, emission density zoning, auctioning of growth increment, allocating only a specific amount of increment to be consumed during a given period of time and allocating or giving some preference to those sources which employ a large number of persons or which generate additional revenue because of the higher taxes paid by one industry over another.

A marketable permit program would allow a permitted source to sell a portion or all of its permit to another source. The source could use that portion of its permit proportional to the degree to which it reduces emissions below the level specified in the original permit. Another source could purchase these reductions if they were cheaper than the source's own cost of reduction.

An emission fee program would charge a fee to a source according to the quantity of pollutant it emits. This would serve as an incentive to minimize the emissions since reducing the emissions would lower the cost.

Emission density zoning would classify each area according to the quantity of pollutants that could be emitted. Sources would then purchase the "air rights" for enough land to accommodate their emissions. In general these air rights would be more expensive in areas where there is a high demand than in areas where there are fewer sources. More expensive air rights would lead to a higher level of control. A source would hold these air rights and either use them or sell them to another source.

A more detailed discussion of the above concepts can be found in the alternative descriptions for marketable permits, emission fees and emission density zoning.

An auction system would define the available increment for any area and the state ~~or local~~ agency would auction off the increment to the highest bidder. Once a source had purchased the rights to the increment it could either use its rights or sell them to another source.

Another scheme would be to allocate a certain amount of increment to be consumed for a given time. That is, permitting only 25% of the available increment to be used over the next 3 years, then 50% over the next 4 years, etc. A variation of this scheme would be to permit any one given source to only use up to one-half of the remaining increment at the time of its approval. In this way some increment, no matter how small, would always be available for use.

The last scheme would assign priorities to certain industries in terms of the number of people employed or the amount of tax dollars available. These industries would be given first preference in terms of using the available increment or would be given a larger portion of the growth increment than other less desirable sources.

Pros

- Current first-come-first-served method of allocating the increment does not appear in itself to achieve the purposes of the Act on a long term basis.
- Other methods of allocating the increment seem to be more efficient in terms of using a limited resource to the maximum benefit. However, no studies have been done to verify this apparent efficiency.
- Certain methods of allocating the increment would assure that at least some increment, no matter how small, would always be available.

Cons

- There has been some reluctance on the part of some state and local agencies to utilize any mechanism other than first-come-first-served.
- Other allocation schemes will be very difficult to implement as there is very little guidance available on these systems.
- Economic incentive mechanisms would permit very large corporations to hold the emission rights to a number of areas for a long enough period to force out some smaller companies, thereby eliminating the competition.
- Some schemes would eliminate public participation now provided by the first-come-first-served system, which is one of the basic objectives of the PSD program.

Recommendations

Since the issue of first-come-first-served is not unique to the PSD Set II development, it would be unwise to make a recommendation regarding the resolution of this issue without resolving the issue for the PSD program for particulate matter and sulfur dioxide. Hopefully the ongoing work within EPA will provide some additional data for the PSD Set II program which will resolve the issue or at least provide a series of alternatives backed by some quantitative assessments that will enable states and local agencies to select one or two allocation schemes which could realistically be implemented.

INTERSTATE ALLOCATION

Description of Issue

How should the increment be allocated among states in an area that includes two or more states?

Applicable Clean Air Act Section

Section 160 of the Clean Air Act states that:

"The purposes of this part are as follows:

...(4) to assure that emissions from any source in any State will not interfere with any portion of the applicable implementation plan to prevent significant deterioration of air quality for any other State; and..."

Additionally, section 126(a) states:

"(a) Each applicable implementation plan shall-

(1) require each major proposed new (or modified) source-

(A) subject to part C (relating to significant deterioration of air quality) or

(B) which may significantly contribute to levels of air pollution in excess of the national ambient air quality standards in any air quality control region outside the State in which such source intends to locate (or make such modification),

to provide written notice to all nearby States the air pollution levels of which may be affected by such source at least sixty days prior to the date on which commencement of construction is to be permitted by the State providing notice, and..."

Major Implications

This issue is not unique to PSD Set II. It is an issue which is common to PSD Set I, new source review in nonattainment areas, and general SIP development to attain the National Ambient Air Quality Standards. The issue of interstate pollution has been in existance for a number of years. It poses several questions regarding interactions between states and to date no long-term solution has been developed. EPA has proposed a number of short-term alternatives for handling this question and is currently assessing the requirements regarding section 126 to determine if some additional guidance or information is needed. Guidance on interstate allocation of the growth increment can be found in two places, the preamble to the June 19, 1978 PSD regulations and a memorandum from Mr. David Hawkins to Dr. Kathleen Camin dated July 26, 1978 dealing with Union Electric Variance - Interstate Equity.

The June 19, 1978 PSD regulations state at 43 Federal Register 26402 that the Administrator is pursuing various mechanisms to allocate the increment where the source would impact an interstate area. If an interstate dispute arises before more definitive guidance can be prepared, the Administrator intends to restrict increment consumption to equal amounts at the state line.

The July 26, 1978 memorandum states that: "In general, consumption of the growth potential relative to the SO_2 NAAQS should be divided equally among the two states at the border. That is, each state will have use of one-half of the air quality difference between the NAAQS and the ambient concentration now allowed at the border."

A recent supreme court case, City of Philadelphia vs. New Jersey, seems to add some additional insight concerning this issue. The court, in rendering its decision, discussed its previous anti-protectionist decisions whereby one state attempted to isolate itself from the national economy. The court indicated that " a state may not accord its own inhabitants a preferred right of access over consumers in other states to natural resources located within its borders", (11 ERC 1774).

This decision would seem to say that the state can manage its own resources but that both in and out-of-state sources must be treated equally.

Section 126 of the Act is activated on a case-by-case basis. It indicates that a source may not interfere with measures adopted by a neighboring state for the prevention of significant deterioration. If the sources meet all the requirements of the neighboring state it would appear that they could construct and consume as much of the increment as would be permitted under the neighboring state plan for allocating the increment.

Pros

- Some type of allocation scheme for interstate disputes does provide for a more equitable use of the increment by both states.
- Allocation scheme may avoid lengthy and costly court suits over interstate problems.

Cons

- Supreme Court seems to indicate that such allocation schemes where sources are not treated fairly would be unconstitutional.
- No need to develop a special alternative for handling interstate allocation problems outside the SIP's, if states develop their own PSD plans which have some method for allocating the increment within their State, since section 126 prohibits on a case-by-case basis sources in one state from violating the PSD program in another state.
- Allocation schemes developed outside the state plans tend to be arbitrary and pose some real enforcement problems.

Recommendations

Since this issue transcends a number of programs it would seem unwise to resolve it independently as part of PSD Set II regulatory development. Resolution of this issue should be closely coordinated with the other programs to ensure that a technically feasible solution is developed which has a more universal application. Until such time as a long term solution is reached, the current guidance in the June 19, 1978 PSD regulations should be used in the development of the PSD Set II program.

DEGREE OF STATE FLEXIBILITY

Description of the Issue

What level of detail is most appropriate for Federal regulations promulgated under this program and what degree of flexibility should be left to the States?

Applicable Clean Air Act Section

Not applicable.

Major Implications

If not enough detail is provided regarding the program the states will be unsure of the minimum requirements for an acceptable plan; thereby creating a great deal of uncertainty. This could cause the development of inconsistent and technically unsound PSD programs which will either have to be corrected by the state or EPA through a promulgation of a substitute program. However, if the requirements are too rigid the state may be unwilling to develop its own program and EPA promulgation would still be necessary.

Pros

- o Very detailed guidance or regulations will ensure that an adequate and implementable program will be developed;
- o Detailed guidance will ensure absolute consistency from area to area;
- o Detailed guidance will leave little doubt regarding what is required; and
- o Some flexibility is needed on how the growth increment is to be allocated to permit local involvement in permit issuance.

Cons

- o Too much detail regarding all aspects of the program will stifle state input;

- Very general requirements which only outline the basic objectives of the program will permit confusion and inconsistency especially in interstate situations where transport is concerned.
- Too much flexibility would make the consolidated permit concept of "one stop shopping" very difficult if not impossible to implement on a national scale.

Recommendations

The recommended approach would be to provide the basics of the program; that is, who is subject, what is considered to be significant deterioration, numerical measures against which permit applications may be evaluated etc. and permit the state the flexibility to determine how the available growth margin is to be allocated, what is BACT and what type of tracking system will be used. Equivalency regarding the numerical measures could be permitted but this could lead to widely varying approaches. In some cases equivalent systems may not be compatible (e.g., increments vs. statewide bubble or inventory management with public involvement) and severe problems could develop where growth might be permitted under one system and not under another over time.

MONITORING

Description of Issue

How much preconstruction monitoring will be required? How much postconstruction monitoring?

Applicable Clean Air Act Section

Section 165(e)(1) states:

"The review provided for in subsection (a) shall be preceded by an analysis in accordance with regulations of the Administrator, promulgated under this subsection, which may be conducted by the State (or any general purpose unit of local government) or by the major emitting facility applying for such permit, of the ambient air quality at the proposed site and in areas which may be affected by emissions from such facility for each pollutant subject to regulation under this Act which will be emitted from such facility."

Section 165(e)(2) states:

"Effective one year after date of enactment of this part, the analysis required by this subsection shall include continuous air quality monitoring data gathered for purposes of determining whether emissions from such facility will exceed the maximum allowable increases or the maximum allowable concentration permitted under this part. Such data shall be gathered over a period of one calendar year preceding the date of application for a permit under this part unless the State, in accordance with regulations promulgated by the Administrator, determines that a complete and adequate analysis for such purposes may be accomplished in a shorter period. The results of such analysis shall be available at the time of the public hearing on the application for such permit."

Major Implications

As a result of Alabama Power vs. Costle 13 ERC 1225, EPA has proposed to revise its current PSD regulations for TSP and SO_2 with regard to certain aspects of the monitoring requirements which have a direct relationship to the PSD program for Set II.

The court held that section 165(e)(1) of the Act requires an ambient air quality analysis for each pollutant subject to regulation under the Act prior to applying for a PSD permit. Therefore, preconstruction monitoring data will be required for a source unless the estimated impact from the proposed source is lower than some de minimis air quality level and the source is not a major stationary source for the pollutant. The de minimis levels proposed on September 5, 1979 are shown in Table I. However the de minimis exemption not to require monitoring may be waived when the proposed source would impact a class I area. While a source is permitted to use existing representative data in lieu of new monitoring, it is unlikely that there is adequate existing data available for ozone, CO, NO_2, and Pb to avoid conducting preconstruction monitoring.

With regard to post construction monitoring the current PSD regulations give EPA the authority to require post construction monitoring. EPA intends in its proposed regulations of September 5, 1979 developed pursuant to the Alabama Power decision to require post construction monitoring for large sources of particulate and sulfur dioxide. It would seem that a similar type requirement should hold true for a PSD Set II program especially since many non-air quality approaches are being considered for PSD Set II.

Pros

- Post construction monitoring would almost be essential if other than an increment approach is used to ensure that the standard is not being violated as a result of the operation of a source which has been given approval to construction under PSD.
- Recent Alabama Power court decision requires that it be done under the current PSD program.

Cons

- Preconstruction and post construction monitoring will be very costly.
- Postconstruction monitoring per se is not adequate to track the consumption of the increment given the definition of baseline and what does or does not consume increment.

TABLE I. DE MINIMIS LEVELS

Pollutant and Air Quality Impact

Carbon monoxide - 500 $\mu g/m^3$, 8-hour avg.

Nitrogen dioxide - 1 $\mu g/m^3$, annual.

Total suspended particulates - 5 $\mu g/m^3$, 24-hour.

Sulfur dioxide - 5 $\mu g/m^3$, 24-hour.

Ozone - -*

Lead - .03 $\mu g/m^3$, 3-month.

Mercury - 0.1 $\mu g/m^3$, 24-hour.

Beryllium - .005 $\mu g/m^3$, 24-hour.

Asbestos - 1 $\mu g/m^3$, 1-hour.

Fluorides - .01 $\mu g/m^3$, 24-hour.

Sulfuric acid mist - 1 $\mu g/m^3$, 24-hour.

Vinyl chloride - 1 $\mu g/m^3$, maximum value.

Total reduced sulfur:

- Hydrogen sulfide - 1 $\mu g/m^3$, 1-hour.
- Methyl mercaptan - .5 $\mu g/m^3$, 1-hour.
- Dimethyl sulfide - .5 $\mu g/m^3$, 1-hour.
- Dimethyl disulfide - 2 $\mu g/m^3$, 1 hour.

Reduced sulfur compounds:

- Hydrogen sulfide (see above).
- Carbon disulfide - 200 $\mu g/m^3$, 1-hour.
- Carbonyl sulfide - 200 $\mu g/m^3$, 1-hour.

*No <u>de minimis</u> air quality level is proposed. However, any net increase of 100 tons per year of VOC subject to PSD is required to conduct ambient air quality monitoring.

Recommended Solution

Since preconstruction monitoring is currently required except where the de minimis exemption as proposed on September 5, 1979 applies, preconstruction monitoring does not really represent an issue for resolution under the PSD Set II regulatory development.

While post construction monitoring for TSP and SO_2 sources is more or less discretionary, it is recommended that it be less discretionary for ozone, CO, NO_2, and Pb. This is due to the lack of adequate monitoring data for these pollutants and the fact that many of the approaches to implement PSD Set II would not directly consider the air quality impact of a source during the preconstruction review.

MODELING

Description of Issue

Given the difficulty of modeling many of the Set II pollutants, what type and level of detail of modeling can or should be required?

Applicable Clean Air Act Section

Section 165(e)(3)(D) states that the Administrator shall promulgate regulations which

> "shall specify with reasonable particularity each air quality model or models to be used under specified sets of conditions for purposes of this part. Any model or models designated under such regulations may be adjusted upon a determination, after notice and opportunity for public hearing, by the Administrator that such adjustment is necessary to take into account unique terrain or meteorological characteristics of an area potentially affected by emissions from a source applying for a permit required under this part."

Major Implications

The June 19, 1978 PSD regulations indicated that EPA's assessment of the air quality impacts of new major sources and modifications will be based on the "Guideline on Air Quality Models", OAQPS 1.2-080, April 1978. This guideline was incorporated by reference into the regulations. Sources may be given approval to use air quality dispersion models other than those noted in the guidelines if the model recommended in the guideline and the model proposed by the source are comparable.

The guideline recommends those air quality models that should be used for conducting PSD review. It also identifies factors that determine the suitability of models for an individual situation, presents classes and subclasses of models, and addresses special modeling problems. The guideline presents information for modeling TSP, SO_2, CO, and NO_x. It does not, however, present information regarding modeling of photochemical oxidants. These models are undergoing a critical review and information regarding them will be provided at a later date.

With regard to CO and NO_x, the point source screening techniques described in Volume 10 of the Guidelines for Air Quality Maintenance Planning and Analysis, "Procedures for Evaluating Air Quality Impact of New Stationary Sources", can be used. However, no specific refined modeling techniques are recommended. Those situations which require more refined techniques will be considered on a case-by-case basis with the use of expert consultation. For NO_x, the use of any models other than photochemical ones require an assumption that all NO_x is emitted in the form of NO_2 or is converted to NO_2 by the time it reaches the ground and that NO_2 is a nonreactive pollutant. For sources locating in areas where atmospheric photochemical reactions are significant, a Rollback model may be used as a preliminary assessment to evaluate the impact of the source or sources.

There are five (5) types of ozone prediction methods that are currently available. These models vary from simple algebraic relationships to sophisticated numerical models. In general, the simple methods tend to ignore or to treat superficially many atmospheric processes that affect the formation of ozone. The sophisticated numerical models on the other hand, treat these processes in detail but are very costly to use and require large amounts of input data. The five (5) ozone models are: linear rollback, modified rollback, empirical kinetic modeling approach (EKMA), trajectory models, and grid models. Most of these models have been developed for a region-wide application rather than for a specific individual point source. They are also more orientated for use in urban rather than rural areas.

One of most sophisticated grid models is the Airshed Model, which has the ability to simulate the behavior of up to 20 pollutants. When photochemical simulations are carried out by this model, 11 species must be included:

paraffins	nitric oxide
olefins	nitrogen dioxide
aromatics	ozone
aldehydes	nitric acid
peroxyacetyl nitrate	hydrogen peroxide
carbon monoxide	

Additionally a number of other parameters regarding emissions and surface uptake, meteorology, air quality, chemical mechanisms, etc., must be input. As can be seen these input requirements are considerable and costs to perform the necessary computer calculations are therefore significant.

The use of air quality modeling in the PSD Set II program is one of the most perplexing problems. Either the models are so simple that their predictions could not be used to assess a sources impact against some incremental value (i.e., the model is highly suspect in its ability to predict small incremental changes in air quality) or the model is so sophisticated that it requires more detailed data than would ever be reasonably expected to exist for an attainment area.

While the above is true for CO, ozone, and NO_2 it is not true for Pb. Models do exist which would permit an assessment of the air quality impact of a new lead source to be conducted. The models outlined in the Guideline on Air Quality Models can be used. These models, however, do not account for deposition of large partcles. Guidance is provided in Appendices D and E of the Supplementary Guidelines for Lead Implementation Plans, OAQPS 12-104, August 1978, on how one might account for deposition.

Pros

- Without the use of air quality models the PSD Set II program cannot adequately assess the impact of an individual source's contribution to air quality.
- The less sophisticated models may provide the level of detail necessary, based on the data that exists or can reasonably be expected to exist, to conduct periodic checks of emission based alternatives to ensure that the air quality levels have not deteriorated.

Cons

- The use of any model especially for ozone no matter how it will be used, will come under severe criticism and challenge.
- The State-of-the-Art for modeling NO_x and ozone from isolated new sources has not advanced to a point that would permit one to use a routine off-the-shelf, model to estimate the impact of such sources.

Recommendations

Based upon the information currently available and the lack of detailed data on emissions, air quality, etc., it is recommended that the use of modeling be restricted to those simple modeling techniques. These techniques would be used to periodically check the overall air quality impact of the PSD Set II program for a broad geographic area to ensure that the air quality has in fact, not deteriorated. Additionally this modeling evaluation would be checked by the use of both pre and post-construction monitoring data. However, for Pb, since models do exist, it recommended that they be used to obtain a more direct indication of air quality impact on a source-by-source basis.

DATA AVAILABILITY

Description of Issue

How much data are available for rural areas? Which alternatives would only need existing data and which would require substantially more data than are currently available?

Applicable Clean Air Act Section

Not applicable.

Major Implications

Since most of the clean air areas are located in rural areas, the PSD program should be geared to the type of information that currently exists or could reasonably be expected to exist in a rural area. The most sophisticated alternative for implementing the PSD program will only be as good as the data available to implement it. In many cases very little emissions or air quality data for ozone, CO, NO_2, or Pb exists in rural areas. Since the problems with these pollutants have generally been associated with urbanized areas, the rural areas have received little or no attention regarding updating the emission inventories or expanding the air quality monitoring program. In most rural areas an emission inventory consisting of point and area source emission totals for five major source categories (Fuel Combustion, Industrial Process, Solid Waste Disposal, Transportation and Miscellaneous) will exist on a countywide basis for each of the pollutants with the exception of lead because it is a relatively new criteria pollutant. Generally the existing point sources which emit over 100 tons per year for any one pollutant would be listed but this is not always the case. In those cases where point sources have been inventoried this information should have been submitted to the National Emission Data System (NEDS). The type of information which may be provided for point sources would include annual operating rates, amount of fuel burned, amount of material processed and estimated emissions. In many cases the emission estimates are calculated by NEDS using generalized emission factors. However, this inventory of point sources may be several years old as most states did not revise their entire emission inventory in response to the 1979 SIP revisions but rather only updated the inventory for those areas and pollutants which were designated as nonattainment.

The area source data in NEDS contains information on all emission sources not identified as point sources. Unlike data for point sources, data for each of these small individual sources are not noted in NEDS. Rather, estimates of total emission levels for specific categories are stored. Area source data are developed primarily from reports published by other Federal agencies or data from State or local agencies. States are not required to periodically update their area source inventories and therefore EPA uses the best information available on a national basis to annually update the area source inventory.

The air quality data in the rural areas with regard to those pollutants are also very limited. Much of the air quality data that does exist is the result of short term monitoring programs conducted by potential new sources or state agency personnel to perform a screening study for the area. Therefore much of the data would have very limited value in that it may only have been conducted for a month or so. The current air quality data can, however, be strengthened and expanded by the requirements in the current PSD regulations to conduct both pre and post construction monitoring. However this data would not be for specific VOC species, etc., but would be for ozone.

The emission inventories that would exist or could be generated for the rural areas would be for total VOC's and not for specific compounds. Additionally, the specific data available on vehicle miles traveled, etc. necessary to conduct detailed emission inventories for VOC, CO, NO_x, and Pb are also not available.

Because of the lack of detailed and adequate emission inventories, many of the alternatives under consideration will be only marginally effective if at all because the data does not exist to permit the alternative to produce meaningful results.

Pros

- Certain alternatives such as emission controls, emission density zoning, inventory management, statewide emission limitations, de minimus levels could be implemented with the limited air quality and emissions data that exists in rural areas.
- Because there is limited data those techniques which are technically less sophisticated are more favorable.

Cons

- Much of the data needed to perform dispersion modeling for sources locating in rural areas does not exist.
- Many of the more sophisticated models, such as the Airshed Model, were developed for use in data rich urbanized areas and are not really adaptable to rural situations.
- Alternatives which require detailed information on emissions or control costs would find limited use in rural areas. These include increments, avoiding colocation, emission fees, marketable permits, and transportation BACT.

Recommendations

Not applicable.

SOURCE APPLICABILITY

Description of the Issue

What size and type of sources should be subject to preconstruction review for PSD Set II?

Applicable Clean Air Act Section

Section 169(i) defines major emitting facility (source) for the purposes of PSD as:

> "of the following stationary sources of air pollutants which emit, or have the potential to emit, one hundred tons per year or more of any air pollutant from the following types of stationary sources: fossil-fuel fired steam electric plants of more than two hundred and fifty million British thermal units per hour heat input, coal cleaning plants (thermal dryers), kraft pulp mills, Portland Cement plants, primary zinc smelters, iron and steel mill plants, primary aluminum ore reduction plants, primary copper smelters, municipal incinerators capable of charging more than two hundred and fifty tons of refuse per day, hydrofluoric, sulfuric, and nitric acid plants, petroleum refineries, lime plants, phosphate rock processing plants, coke oven batteries, sulfur recovery plants, carbon black plants (furnace process), primary lead smelters, fuel conversion plants, sintering plants, secondary metal production facilities, chemical process plants, fossil-fuel boilers of more than two hundred and fifty million British thermal units per hour heat input, petroleum storage and transfer facilities, with a capacity exceeding three hundred thousand barrels, taconite ore processing facilities, glass fiber processing plants, charcoal production facilities. Such term also includes any other source with the potential to emit two hundred and fifty tons per year or more of any air pollutant. This term shall not include new or modified facilities which are nonprofit health or education institutions which have been exempted by the State."

Section 165(a) states:

> "No major emitting facility on which construction is commenced after the date of the enactment of this part, may be constructed in any area to which this part applies unless..."

Major Implications

The Clean Air Act seems to provide very little flexibility as to which sources are subject to PSD review. Section 169(i) defines those sources subject to review in terms of both size and type. However, there may be some question as to whether this definition should be modified for lead since the present point source definition for lead in 40 CFR 51 differs considerably from the point source definition for other pollutants; 5 tons/year as compared to either 100 tons/year for urbanized areas or 25 tons/year for less urbanized areas. There is good reason for this difference as the current National Ambient Air Quality Standard (NAAQS) for lead is set at a level which is considerably lower than the NAAQS for other pollutants.

Pros

- Current definition may be too lenient for lead especially since the ambient standard for lead is so low.
- Act specifies size and type of source; therefore, with the exception of lead, this is not an issue.

Cons

- Would possibly necessitate a change to the act.
- Would add to the complexity of applicability if a different definition would apply to lead.

Recommendations

It is recommended that the current definition in the act be used to determine source applicability under the regulations and that the proposal for PSD Set II should not differeniate between lead and other pollutants but seek comments regarding such a differentiation during the public comment period.

TREATMENT OF CLASS I AREAS

Description of Issue

How will Class I areas and surrounding areas which impact them best be treated?

Applicable Clean Air Act Section

Section 162 states that:

> "(a) Upon the enactment of this part, all--
>
> (1) international parks,
>
> (2) national wilderness areas which exceed 5,000 acres in size,
>
> (3) national memorial parks which exceed 5,000 acres in size, and
>
> (4) national parks which exceed six thousand acres in size, and which are in existence on the date of enactment of the Clean Air Act Amendments of 1977 shall be class I areas and may not be redesignated. All areas which were redesignated as class I under regulations promulgated before such date of enactment shall be class I areas which may be redesignated as provided in this part.
>
> (b) All areas in such State identified pursuant to section 107(d)(1)(D) or (E) which are not established as class I under subsection (a) shall be class II areas unless redesignated under section 164."
>
> "Section 166(d) and (e) states that: the regulations of the Administrator under subsection (a) shall provide specific measures at least as effective as the increments established in section 163 to fulfill such goals and purposes, and may contain air quality increments, emission density requirements, or other measures.
>
> (e) With respect to any air pollutant for which a national ambient air quality standard is established other than sulfur oxides or particulate matter, an area classification plan shall not be required under this section if the implementation plan adopted by the State and submitted for the Administrator's approval or promulgated by the Administrator under section 110(c)

> contains other provisions which when considered as a whole, the Administrator finds will carry out the purposes in section 160 at least as effectively as an area classification plan for such pollutant. Such other provisions referred to in the preceding sentence need not require the establishment of maximum allowable increases with respect to such pollutant for any area to which this section applies."

Major Implications

Section 160 of the Act sets forth several purposes of the PSD program, one of which is to "preserve, protect and enhance the air quality in national parks, national wilderness areas, national monuments, national seashores, and other areas of special national or regional, natural, recreational, scenic, or historic value." Section 162 of the Act establishes the initial classifications for all areas identified pursuant to section 107(d)(1)(D) or (E) as either mandatory class I or class II unless redesignated under section 164. A review of section 107(d)(1)(D) and (E) finds that these are areas which cannot be classified as to their attainment status for SO_2 or particulate matter; which have ambient levels better than any national primary or secondary air quality standard other than for sulfur dioxide or particulate matter; which do not have sufficient data to classify the area as not attaining the standards for any air pollutant other than SO_2 or particulate matter; and which are not attaining a national secondary ambient air quality standard. Therefore, it appears that the initial classification of certain areas as class I and others as class II applies not only to particulate matter and SO_2 which have increment values associated with these classifications but also to VOC, NO_x, and CO for which designations were made under section 107.

Thus the concept of a classification system seems to exist for VOC, NO_x, and CO even though the specific numerical values that would be associated with such a classification scheme were not established by the Act. The Act gives that authority to the Administrator of EPA under section 166. However, because areas were not classified as attainment or nonattainment for Pb, the same analogy does not necessarily hold true. Although it would still seem reasonable that some type of classification system would also apply to Pb especially with regard to pristine or class I areas.

While section 162 seems to indicate that the concept of a classification may exist for VOC, NO_x, and CO, section 166 indicates that States do have the option of developing a PSD system which on the whole is at least as effective as the area classification scheme. This seems to further indicate that some type of classification system would be the norm or the standard against which an alternative State scheme would be judged in terms of its overall equivalency. Additionally such a scheme would not necessarily have to include maximum allowable increases for these pollutants.

Even if the current classification system did not apply to VOC, NO_x, and CO, it would seem that certain major Federal lands would have to receive some special consideration above and beyond that for other areas to fulfill the intent of section 160 regarding the purpose of the total PSD program set forth in part C of the Act (sections 160-169).

Pros

- o A classification system will enhance the PSD Set II program's ability to meet the goals and objectives of the Act especially with respect to certain Federal lands.
- o A classification system provides more form and substance to the Set II program as there is a clear distinction between pristine areas which should have minimal deterioration and areas where moderate growth should be allowed.
- o The Clean Air Act seems to have already established the classification system with the specific numerical values to be provided after further study and evaluation.

Cons

- o The classification system would seem to limit some of the options or alternatives which could be implemented for PSD Set II as many alternatives do not provide for any distinction between areas (e.g., statewide bubble, inventory management, FMVCP & BACT, marketable permit, etc.).

- Avoiding a classification system would seem to be in violation of the Act either directly, if the above interpretation of section 162 is correct, or indirectly by failing to provide some consideration for protecting certain Federal lands as specifically spelled out in section 160.

Recommended Solutions

It appears from the language in the Act that the class I and class II system already exists for the Set II pollutants and that there is very little discretion as how these class I areas would be treated, that is, basically they must be protected. The only flexibility which seems to be given to EPA is the assigning of specific numerical values to the classification scheme. However, the States in developing their PSD plans could develop a program which does not include an area classification system as long as the State's plan was, on the whole, equivalent to the area classification scheme.

MOBILE SOURCE CONTROL

Description of Issue

What type of additional control requirements can or should be placed on mobile sources? What should be the balance between control of mobile sources versus stationary sources?

Applicable Clean Air Act Section

Section 209(a) of the Act states:

> "No State or any political subdivision thereof shall adopt or attempt to enforce any standard relating to the control of emissions from new motor vehicles or new motor vehicle engines subject to this part. No State shall require certification, inspection, or any other approval relating to the control of emissions from any new motor vehicle or new motor vehicle engine as condition precedent to the initial retail sale, titling (if any), or registration of such motor vehicle, motor vehicle engine, or equipment."

However, Section 177 states with respect to nonattainment areas:

> "Notwithstanding section 209(a), any State which has plan provisions approved under this part may adopt and enforce for any model year standards relating to control of emissions from new motor vehicles or new motor vehicle engines and take such other actions as are referred to in section 209(a) respecting such vehicles if..."

Major Implications

Since mobile source emissions account for a significant portion of the current emission inventories for CO, VOC, NO_2, and Pb, (82%, 41%, 45%, and 88% respectively) their impact upon the PSD program will be significant. However, it appears from a reading of the Act that States are precluded from requiring any additional controls regarding motor vehicles. Also as indicated in the issue descriptions regarding indirect source review, the Administrator of EPA is precluded from requiring indirect source review. Thus there is a major concern that mobile or indirect sources will consume a large portion of the increment and that with the exception of the Federal Motor Vehicle Control Program these sources will be uncontrolled.

While the preproduction certification program demonstrates the manufacturers' capability of designing vehicles which can meet the Federal Motor Vehicle emission standards, it does not address the question of in-use vehicles. Over the past 10 years, testing has consistently indicated that a significant number of vehicles on the road fail to meet the automotive standards. This occurs for a variety of reasons: Production variability, tampering with or neglect of a car's emission control system or use of leaded gasoline in a car that requires unleaded. Therefore, in many cases it is essential that a strategy be devised to improve the performance of in-use vehicle. One such strategy is I/M. I/M programs involve periodic testing of each car within a given locality and a refusal to register any vehicle that fails the test and is not subsequently repaired.

<u>Pros</u>

- Requiring some type of additional control of motor vehicles or indirect sources would allow the cost of the PSD Set II program to be more equitably shared between mobile and stationary sources.
- Additional control on mobile sources will minimize consumption of the increment.

<u>Cons</u>

- Would necessitate change in the Act.
- Additional controls will further burden a control program which is already coming under fire from either being too restrictive in some cases to not being strict enough in other cases because of the deterioration of the certain control devices.
- Additional controls will run into public opposition similar to the problems with transportation control measures and I/M.

<u>Recommendations</u>

While additional controls on motor vehicles and the requirement to conduct indirect source review seems to be precluded, some controls on certain transportation related sources in the name of BACT may be required. While these controls would not require motor vehicles to meet any standards other than those imposed by the Federal Motor Vehicle Control Program, they would require that certain transportation related projects minimize their emissions in the name of BACT. The transportation BACT requirement would establish certain procedures or performance standards for these transportation related projects to minimize the emissions to the maximum extent possible and would not involve any further review or certification. That is, there would not be a review against any predetermined air quality levels and an ultimate approval or denial. This air quality assessment would have to be accomplished after the facility became operational through monitored air quality values. If violations are noted then the State plan would have to be revised to correct the noted violations which could require some retrofit of controls or the imposition of certain transportation control measures such as staggered work hours, car pooling, etc.

These controls would for the most part eliminate or reduce congestion, increase traffic flow, etc., in addition to minimizing emissions. A more complete explanation of how this system might be implemented can be found in the description of the transportation BACT alternative.

GEOGRAPHIC APPLICABILITY

Description of Issue

What size area would be most appropriate under an emission density zoning system? Under an increment system?

Applicable Clean Air Act Section

Not applicable.

Major Implications

The size of the area over which an emission density zoning program will be implemented will have a significant impact upon the amount of growth that would be permitted for a given area. It will also have an impact upon how much clustering may take place for a given area and whether this clustering will cause air quality to significantly deteriorate or reach a level where possible violations of the National Ambient Air Quality Standard (NAAQS) could exist. If the area is too large over which a source may disperse its emissions, the source in a sense would be using a type of dispersion technique. That is, the amount of emissions per square mile could be decreased by the source purchasing more land over which to average its emissions. While section 123 prohibits dispersion techniques in terms of air quality impact, it is unclear whether the above technique of purchasing more land to reduce the emission density would be considered a dispersion technique. Additionally, if the amount of emission density permitted per square mile is too high in proportion to the size of the area, the air quality for the area could significantly deteriorate while the emission density per square mile would be within the limits permitted under an emission density program to prevent significant deterioration. Thus the size of the area and the amount of emissions permitted per square mile will depend upon the technical resolution of relating emissions density to air quality levels.

In addition to the technical aspects of determining the size of the area, there are political or policy concerns which also must be considered. The size of the area for implementing an EDZ program will depend upon the availability of data for a given area. That is, what is the smallest governmental unit for which an EDZ program may be developed, i.e., planning districts, zones, towns, counties, AQCR's, 208 Planning Areas, etc. Additionally many rural areas have very limited data. More information concerning the availability of data in rural areas can be found in the issue description on data availability.

The size of the area over which an increment approach may be implemented is almost entirely a technical decision. The size of the area will be dependent upon the area over which the particular model may be used. Each new source's air quality would be estimated and the modeling results extrapolated to the furthest point for which the model can reasonably predict a concentration or where the concentration predicted by the model is below some specified level. This issue has been addressed for TSP and SO_2 in the June 19, 1978 PSD regulations. In the preamble to the regulations EPA stated that it would generally limit the application of the modeling results to no more than 50 kilometers. Also since the air quality impact of many sources falls off rapidly to insignificant levels, EPA does not intend to analyze the impact of a source beyond the point where the concentrations from a source fall below certain levels. Those levels which have been interpreted by EPA as representing the minimum amount of ambient impact that are considered to be significant are shown below.

Pollutant	Concentration		
	Annual	8-hour	1-hour
NO_2	1 $\mu g/m^3$		
CO		0.5 mg/m^3	2 mg/m^3

Source: June 19, 1978 PSD Regulations

However, since there is a special concern over class I areas, any expected impacts associated with a class I area must be evaluated irrespective of whether the source is located beyond 50 km or if it would have an impact less than the above significance levels.

Pros

- Areas for EDZ based on existing political structures would have the greatest potential for success.
- County or planning districts would in most cases be small enough, with the exception of some western states, to adequately avoid clustering and potential air quality problems.

Cons

- Since the size of the area for implementing an EDZ program seems to be more of a technical problem than a policy one, this may not be an issue after more technical evaluations are performed.
- Size of the area is really not an issue per se for increments because the size of the area is determined by the ability of the model to accurately predict a concentration at a given distance from the source.

Recommendations

There are no recommendations regarding this issue until further technical evaluations and investigations of the availability of data at the smallest governmental units can be completed.

CONSISTENCY WITH CURRENT PSD PROGRAM

Description of Issue

How much consistency should be required between PSD Set II and other programs, specifically PSD Set I and new source review in nonattainment areas? What is the true extent of attainment vs. nonattainment areas and how will this affect the PSD Set II program?

Applicable Clean Air Act Section

Section 161 of the Act states:

> "In accordance with the policy of section 101(b)(1), each applicable implementation plan shall contain emission limitations and such other measures as may be necessary, as determined under regulations promulgated under this part, to prevent significant deterioration of air quality in each region (or portion thereof) identified pursuant to section 107(d)(1)(D) or (E)."

Major Implications

According to the 1977 National Air Quality, Monitoring and Emissions Trends Report, (EPA-450/2-78-052) 86% of the ozone sites reporting data to EPA exceeded the previous .08 ppm standard, 46% of the CO sites violated the 8 Hour CO standard and only 2% of the NO_2 sites violated the annual NO_2 standard. However, some analysis in light of the recent change to the ozone standard indicates that of the 325 counties with ozone data approximately 65% of these counties have at least one monitoring site which exceeds the .12 ppm standard. Of those counties which are attaining the .12 ppm standard, a great percentage (80-90%) are just marginally attaining (i.e., between .08 and .12 ppm). Thus it would seem that even where the standard is being attained for ozone only minimal growth would be permitted before a proposed new source's impact would be causing or contributing to a violation of the national standards at which time the more restrictive nonattainment provisions would apply. The current PSD regulations indicated that these regulations applied regardless of the particular nonattainment designation as there could be pockets of clean air within designated nonattainment areas. However, the Alabama Power decision held that the PSD provisions apply only to major sources either locating in areas specifically designated as attainment or unclassifiable under Section 107 or locating in any area from which the source would impact a clean air area in another state. EPA has filed a petition for reconsideration arguing that Congress intended PSD review to apply to all major construction, whether located inside or outside a designated nonattainment area, that would significantly impact any clean area. If the court holds to its original option then the scope of the PSD program would be limited to preclude review in any nonattainment area. Thus the PSD program would strictly be designed for those areas classified as attainment or unclassified.

While this decision will have some impact for NO_x and CO it will have a significant impact upon the volatile organic compound (VOC)/ozone PSD program. Because ozone nonattainment is so widespread it is likely that as additional preconstruction monitoring is conducted more nonattainment areas will be discovered. This is especially true for areas east of the Mississippi River, while only partially true for areas west of the Mississippi River because there are more measured attainment areas in the west than east. This will have a major impact for energy development sources which will tend to locate in areas west of the Mississippi. Obviously if nonattainment is more prevalent than attainment the PSD program will be severely limited in its application.

This is some question as to the consistency which should exist between PSD for VOC, CO, NO_x and Pb and the PSD program for TSP and SO_2 and the new source review requirements in nonattainment areas. Since these programs are all dealing with the preconstruction review of major new sources it would seem desirable to have these programs consistent at least in principle if not in practice.

In many ways this has already been accomplished by the various provisions of the Act which deal with the PSD and nonattainment programs. Consistency exists in determining which sources are subject to review, where the review is required, and what level of control is required. Therefore the regulations dealing with these aspects of PSD present little, if any, opportunity for variation from program to program.

However, there are two areas where some variation is possible and possibly desirable: what type of ambient or emission assessment will be required and what type of classification system and associated values needs to be established. Because the same source may be a major source for all the criteria pollutants the issue of consistency is one which should receive careful attention.

<u>Pros</u>

- o PSD program for NO_x will be very important as there are a number of attainment areas.
- o Without some type of PSD review within areas which are only marginally less than the standard, a number of areas could go from attainment to nonattainment with only one or two new source applications.
- o PSD would provide some interim "handle" on new source growth prior to potential nonattainment.
- o Consistency between programs will minimize any confusion over the details of how the program is to be implemented.
- o Consistency will provide for some savings in the areas of preparing permits and conducting reviews.

<u>Cons</u>

- o If the air quality levels for those areas which are attaining the standards for the Set II pollutants are only marginally below the standard then possibly only a few sources would actually be subject to PSD review.
- o Air quality levels for some pollutants would be so dangerously close to, if not exceeding, the standards that the entire concept of PSD would become meaningless.

- In some cases consistency may encourage the perpetuation of inefficient and inequitable program requirements.
- Consistency could impose some unrealistic requirements on sources of some pollutants which should otherwise have been omitted.

Recommendations

Because there may only be limited application of the PSD program for some pollutants it may be advisable to provide maximum flexibility to the states so that they can impose the best program for their area to increase the long term viability of the PSD program especially for such pollutants as VOC. However, the major elements of the various programs should be consistent to the maximum extent possible.

APPENDIX D

AIR QUALITY SUMMARY BY COUNTY FOR
1977

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Alabama	AUTAUGA CO	9.1	306	98
	BALDWIN CO			
	BARBOUR CO			
	BIBB CO			
	BLOUNT CO			
	BULLOCK CO			
	BUTLER CO			
	CALHOUN CO			
	CHAMBERS CO			
	CHEROKEE CO			
	CHILTON CO			
	CHOCTAW CO			
	CLARKE CO			
	CLAY CO			
	CLEBURNE CO			
	COFFEE CO			
	COLBERT CO			
	CONECUH CO			
	COOSA CO			
	COVINGTON CO			
	CRENSHAW CO			
	CULLMAN CO			
	DALE CO			
	DALLAS CO			
	DE KALB CO			
	ELMORE CO			
	ESCAMBIA CO			
	ETOWAH CO			
	FAYETTE CO			
	FRANKLIN CO			
	GENEVA CO			
	GREENE CO			
	HALE CO			
	HENRY CO			
	HOUSTON CO			
	JACKSON CO			
	JEFFERSON CO		*	
	LAMAR CO			
	LAUDERDALE CO			
	LAWRENCE CO			
	LEE CO			
	LIMESTONE CO			29
	LOWNDES CO			
	MACON CO			
	MADISON CO	8.2	333 *	54
	MARENGO CO			
	MARION CO			

[1]NAAQS CO 8-h 10 mg/m^3 not to be exceeded more than once per year.

[2]NAAQS O_3 235 $\mu g/m^3$ expected value.

[3]NAAQS NO_x = 100 $\mu g/m^3$ arithmetic mean.

*Designated as nonattainment as of January 1980.

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Alabama	MARSHALL CO			
	MOBILE CO		284 *	
	MONROE CO			
	MONTGOMERY CO			
	MORGAN CO		216 *	48
	PERRY CO			
	PICKENS CO			
	PIKE CO			
	RANDOLPH CO			
	RUSSELL CO		*	
	ST CLAIR CO			
	SHELBY CO			
	SUMTER CO			
	TALLADEGA CO			
	TALLAPOOSA CO			
	TUSCALOOSA CO			
	WALKER CO			
	WASHINGTON CO			
	WILCOX CO			
	WINSTON CO			
Alaska	ALEUTIAN ISLANDS ED			
	ANCHORAGE ED	18.1		
	ANGOON ED			
	BARROW ED			
	BETHEL ED			
	BRISTOL BAY BOROUGH ED			
	BRISTOL BAY ED			
	CORDOVA-MC CARTHY ED			
	FAIRBANKS ED	28		148
	HAINES ED			
	JUNEAU ED			
	KENAI-COOK INLET ED			
	KETCHIKAN ED			
	KOBUK ED			
	KODIAK ED			
	KUSKOKWIM			
	MATANUSKA-SUSITNA ED			
	NOME ED			
	OUTER KETCHIKAN ED			
	PRINCE OF WALES ED			
	SEWARD ED			
	SITKA ED			
	SKAGWAY-YAKUTAT ED			
	SOUTHEAST FAIRBANKS ED			
	UPPER YUKON ED			
	VALDEZ-CHITINA-WHITTIER ED			
	WADE HAMPTON ED			
	WRANGELL-PETERSBURG ED			
	YUKON-KOYUKUK ED			
Arizona	APACHE CO			23
	COCHISE CO	4.5		21
	COCONINO CO	29.2	1003	24
	GILA CO			
	GRAHAM CO			
	GREENLEE CO			
	MARICOPA CO	48.1*	300 *	
	MOHAVE CO			7

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Arizona	NAVAJO CO			
	PIMA CO	129*	196	61
	PINAL CO			13
	SANTA CRUZ CO			
	YAVAPAI CO			
	YUMA CO	3.4	103	
Arkansas	ARKANSAS CO			
	ASHLEY CO			
	BAXTER CO			
	BENTON CO			
	BOONE CO			25
	BRADLEY CO			
	CALHOUN CO			
	CARROLL CO			
	CHICOT CO			
	CLARK CO			
	CLAY CO			
	CLEBURNE CO			
	CLEVELAND CO			
	COLUMBIA CO			
	CONWAY CO			
	CRAIGHEAD CO			
	CRAWFORD CO			
	CRITTENDEN CO			37
	CROSS CO			
	DALLAS CO			
	DESHA CO			
	DREW CO			
	FAULKNER CO			
	FRANKLIN CO			
	FULTON CO			
	GARLAND CO			
	GRANT CO			
	GREENE CO			
	HEMPSTEAD CO			
	HOT SPRING CO			
	HOWARD CO			
	INDEPENDENCE CO			
	IZARD CO			
	JACKSON CO			
	JEFFERSON CO			19
	JOHNSON CO			
	LAFAYETTE CO			
	LAWRENCE CO			
	LEE CO			
	LINCOLN CO			
	LITTLE RIVER CO			
	LOGAN CO			
	LONOKE CO			10
	MADISON CO			
	MARION CO			
	MILLER CO			34
	MISSISSIPPI CO			32
	MONROE CO			
	MONTGOMERY CO			
	NEVADA CO			
	NEWTON CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
Arkansas	OUACHITA CO			
	PERRY CO			
	PHILLIPS CO			
	PIKE CO			
	POINSETT CO			
	POLK CO			
	POPE CO			
	PRAIRIE CO			
	PULASKI CO		294 *	43
	RANDOLPH CO			
	ST FRANCIS CO			
	SALINE CO			
	SCOTT CO			
	SEARCY CO			
	SEBASTIAN CO			36
	SEVIER CO			
	SHARP CO			
	STONE CO			
	UNION CO			39
	VAN BUREN CO			
	WASHINGTON CO			
	WHITE CO			
	WOODRUFF CO			
	YELL CO			
Cal.	ALAMEDA CO	7.6 *	255 *	65
	ALPINE CO			
	AMADOR CO			
	BUTTE CO	9.6 *	196 *	47
	CALAVERAS CO			
	COLUSA CO		*	
	CONTRA COSTA CO	8.1 *	255 *	49
	DEL NORTE CO			
	EL DORADO CO	3.7 *	176 *	20
	FRESNO CO	10.4 *	314 *	83
	GLENN CO		*	
	HUMBOLDT CO			
	IMPERIAL CO		157 *	
	INYO CO			
	KERN CO	12.4 *	274 *	110
	KINGS CO		*	
	LAKE CO			
	LASSEN CO			
	LOS ANGELES CO	24.3 *	549 *	187 *
	MADERA CO		*	
	MARIN CO	9 *	176 *	52
	MARIPOSA CO		*	
	MENDOCINO CO			
	MERCED CO	7.2	274 *	48
	MODOC CO			
	MONO CO			
	MONTEREY CO	4.3	176 *	25
	NAPA CO	8.3 *	235 *	43
	NEVADA CO			
	ORANGE CO	16.1 *	529 *	174 *
	PLACER CO	*	*	
	PLUMAS CO			
	RIVERSIDE CO	10.2 *	627 *	112 *

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Cal.	SACRAMENTO CO	14.7*	333*	71
	SAN BENITO CO		*	
	SAN BERNARDINO CO	11.4*	686*	147*
	SAN DIEGO CO	13.5*	412*	115*
	SAN FRANCISCO CO	9.1	98*	65
	SAN JOAQUIN CO	10.9*	314*	76
	SAN LUIS OBISPO CO	5	196*	43
	SAN MATEO CO	9.1*	235*	47
	SANTA BARBARA CO	5.2*	274*	63
	SANTA CLARA CO	16.5*	274*	87
	SANTA CRUZ CO		*	26
	SHASTA CO		*	
	SIERRA CO			
	SISKIYOU CO			
	SOLANO CO	13.2*	216*	46
	SONOMA CO	7.8*	137*	40
	STANISLAUS CO	7.8*	235*	84
	SUTTER CO		*	
	TEHAMA CO		216*	
	TRINITY CO			
	TULARE CO	8.5	196*	54
	TUOLUMNE CO			
	VENTURA CO	8.8*	431*	74
	YOLO CO	*	*	
	YUBA CO		*	
Colorado	ADAMS CO	17.4*	233*	39
	ALAMOSA CO			
	ARAPAHOE CO	*	*	
	ARCHULETA CO			
	BACA CO			
	BENT CO			
	BOULDER CO	9.3*	*	
	CHAFFEE CO			
	CHEYENNE CO			
	CLEAR CREEK CO			
	CONEJOS CO			
	COSTILLA CO			
	CROWLEY CO			
	CUSTER CO			
	DELTA CO			
	DENVER CO	22.8*	306*	104*
	DOLORES CO			
	DOUGLAS CO	*	*	
	EAGLE CO			
	ELBERT CO			
	EL PASO CO	9.0*	157	32
	FREMONT CO			
	GARFIELD CO			
	GILPIN CO			
	GRAND CO			
	GUNNISON CO			
	HINSDALE CO			
	HUERFANO CO			
	JACKSON CO			
	JEFFERSON CO	13.1*	241*	
	KIOWA CO			
	KIT CARSON CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Colorado	LAKE CO			
	LA PLATA CO			
	LARIMER CO	*		
	LAS ANIMAS CO			
	LINCOLN CO			
	LOGAN CO			
	MESA CO	8.6		
	MINERAL CO			
	MOFFAT CO			
	MONTEZUMA CO			
	MONTROSE CO			
	MORGAN CO			
	OTERO CO			
	OURAY CO			
	PARK CO			
	PHILLIPS CO			
	PITKIN CO			
	PROWERS CO			
	PUEBLO CO			
	RIO BLANCO CO			
	RIO GRANDE CO			
	ROUTT CO			
	SAGUACHE CO			
	SAN JUAN CO			
	SAN MIGUEL CO			
	SEDGWICK CO			
	SUMMIT CO			
	TELLER CO			
	WASHINGTON CO			
	WELD CO	12.3*	59	
	YUMA CO			
Conn.	FAIRFIELD CO	36.5*	537*	85
	HARTFORD CO	17.7*	445*	85
	LITCHFIELD CO	*	382*	55
	MIDDLESEX CO	*	392*	
	NEW HAVEN CO	14.1*	651*	79
	NEW LONDON CO		508*	52
	TOLLAND CO		*	
	WINDHAM CO		*	
Delaware	KENT CO	9.1		
	NEW CASTLE CO		*	
	SUSSEX CO			
	WASHINGTON	11.6	441	80
Florida	ALACHUA CO			21
	BAKER CO			
	BAY CO			
	BRADFORD CO			
	BREVARD CO			13
	BROWARD CO	10.1	157*	50
	CALHOUN CO			
	CHARLOTTE CO			
	CITRUS CO			
	CLAY CO			
	COLLIER CO			
	COLUMBIA CO			
	DADE CO	7.0	*	56
	DE SOTO CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (µg/m³)	Arithmetic mean NO_x conc.[3] (µg/m³)
Florida	DIXIE CO			
	DUVAL CO	5.7	294 *	41
	ESCAMBIA CO	7.3	357	
	FLAGLER CO			
	FRANKLIN CO			
	GADSDEN CO			
	GILCHRIST CO			
	GLADES CO			
	GULF CO			
	HAMILTON CO			
	HARDEE CO			
	HENDRY CO			
	HERNANDO CO			
	HIGHLANDS CO			
	HILLSBOROUGH CO	5.3	265 *	68
	HOLMES CO			
	INDIAN RIVER CO			
	JACKSON CO			
	JEFFERSON CO			
	LAFAYETTE CO			
	LAKE CO			
	LEE CO			23
	LEON CO			
	LEVY CO			
	LIBERTY CO			
	MADISON CO			
	MANATEE CO			
	MARION CO			
	MARTIN CO			
	MONROE CO			
	NASSAU CO			
	OKALOOSA CO			
	OKEECHOBEE CO			
	ORANGE CO	1.6	196 *	39
	OSCEOLA CO			
	PALM BEACH CO	4.2	198 *	35
	PASCO CO			
	PINELLAS CO	6.5	294 *	39
	POLK CO			
	PUTNAM CO			4
	ST JOHNS CO			
	ST LUCIE CO			
	SANTA ROSA CO			
	SARASOTA CO			
	SEMINOLE CO			19
	SUMTER CO			
	SUWANNEE CO			
	TAYLOR CO			
	UNION CO			
	VOLUSIA CO			12
	WAKULLA CO			
	WALTON CO			
	WASHINGTON CO			
Georgia	APPLING CO			
	ATKINSON CO			
	BACON CO			
	BAKER CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Georgia	BALDWIN CO			
	BANKS CO			
	BARROW CO			
	BARTOW CO			
	BEN HILL CO			
	BERRIEN CO			
	BIBB CO			46
	BLECKLEY CO			
	BRANTLEY CO			
	BROOKS CO			
	BRYAN CO			
	BULLOCH CO			
	BURKE CO			
	BUTTS CO			
	CALHOUN CO			
	CAMDEN CO			
	CANDLER CO			
	CARROLL CO			
	CATOOSA CO			
	CHARLTON CO			
	CHATHAM CO			37
	CHATTAHOOCHEE CO			
	CHATTOOGA CO			
	CHEROKEE CO			
	CLARKE CO			
	CLAY CO			
	CLAYTON CO	*	*	
	CLINCH CO			
	COBB CO		*	
	COFFEE CO			
	COLQUITT CO			
	COLUMBIA CO			
	COOK CO			
	COWETA CO		*	
	CRAWFORD CO			
	CRISP CO			
	DADE CO			
	DAWSON CO			
	DECATUR CO			
	DE KALB CO	*	216*	
	DODGE CO			
	DOOLY CO			
	DOUGHERTY CO			
	DOUGLAS CO		*	
	EARLY CO			
	ECHOLS CO			
	EFFINGHAM CO			
	ELBERT CO			
	EMANUEL CO			
	EVANS CO			
	FANNIN CO			
	FAYETTE CO		*	
	FLOYD CO			40
	FORSYTH CO			
	FRANKLIN CO			
	FULTON CO	17.5*	*	68
	GILMER CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Georgia	GLASCOCK CO			
	GLYNN CO			26
	GORDON CO			
	GRADY CO			
	GREENE CO			
	GWINNETT CO		*	
	HABERSHAM CO			
	HALL CO			
	HANCOCK CO			
	HARALSON CO			
	HARRIS CO			
	HART CO			
	HEARD CO			
	HENRY CO		*	
	HOUSTON CO			
	IRWIN CO			
	JACKSON CO			
	JASPER CO			
	JEFF DAVIS CO			
	JEFFERSON CO			
	JENKINS CO			
	JOHNSON CO			
	JONES CO			
	LAMAR CO			
	LANIER CO			
	LAURENS CO			
	LEE CO			
	LIBERTY CO			
	LINCOLN CO			
	LONG CO			
	LOWNDES CO			28
	LUMPKIN CO			
	MC DUFFIE CO			
	MC INTOSH CO			
	MACON CO			
	MADISON CO			
	MARION CO			
	MERIWETHER CO			
	MILLER CO			
	MITCHELL CO			
	MONROE CO			
	MONTGOMERY CO			
	MORGAN CO			
	MURRAY CO			
	MUSCOGEE CO		*	
	NEWTON CO			
	OCONEE CO			
	OGLETHORPE CO			
	PAULDING CO		*	
	PEACH CO			
	PICKENS CO			
	PIERCE CO			
	PIKE CO			
	POLK CO			
	PULASKI CO			
	PUTNAM CO			
	QUITMAN CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Georgia	RABUN CO			
	RANDOLPH CO			
	RICHMOND CO			29
	ROCKDALE CO		*	
	SCHLEY CO			
	SCREVEN CO			
	SEMINOLE CO			
	SPALDING CO			
	STEPHENS CO			
	STEWART CO			
	SUMTER CO			
	TALBOT CO			
	TALIAFERRO CO			
	TATTNALL CO			
	TAYLOR CO			
	TELFAIR CO			
	TERRELL CO			
	THOMAS CO			
	TIFT CO			
	TOOMBS CO			
	TOWNS CO			
	TREUTLEN CO			
	TROUP CO			
	TURNER CO			
	TWIGGS CO			
	UNION CO			
	UPSON CO			
	WALKER CO			37
	WALTON CO			
	WARE CO			
	WARREN CO			
	WASHINGTON CO			
	WAYNE CO			
	WEBSTER CO			
	WHEELER CO			
	WHITE CO			
	WHITFIELD CO			
	WILCOX CO			
	WILKES CO			
	WILKINSON CO			
	WORTH CO			
Hawaii	HAWAII CO			
	HONOLULU CO			
	KAUAI CO			
	MAUI CO			
Idaho	ADA CO	20.7*		36
	ADAMS CO			
	BANNOCK CO			
	BEAR LAKE CO			
	BENEWAH CO			
	BINGHAM CO			
	BLAINE CO			
	BOISE CO			
	BONNER CO			
	BONNEVILLE CO			
	BOUNDARY CO			
	BUTTE CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Idaho	CAMAS CO			
	CANYON CO			
	CARIBOU CO			
	CASSIA CO			
	CLARK CO			
	CLEARWATER CO			
	CUSTER CO			
	ELMORE CO			
	FRANKLIN CO			
	FREMONT CO			
	GEM CO			
	GOODING CO			
	IDAHO CO			
	JEFFERSON CO			
	JEROME CO			
	KOOTENAI CO			
	LATAH CO			
	LEMHI CO			
	LEWIS CO			
	LINCOLN CO			
	MADISON CO			
	MINIDOKA CO			
	NEZ PERCE CO			
	ONEIDA CO			
	OWYHEE CO			
	PAYETTE CO			
	POWER CO			
	SHOSHONE CO			
	TETON CO			
	TWIN FALLS CO			
	VALLEY CO			
	WASHINGTON CO			
Illinois	ADAMS CO		*	28
	ALEXANDER CO			
	BOND CO			
	BOONE CO		*	
	BROWN CO			
	BUREAU CO			
	CALHOUN CO			
	CARROLL CO			
	CASS CO			
	CHAMPAIGN CO		*	29
	CHRISTIAN CO			
	CLARK CO			
	CLAY CO			
	CLINTON CO			
	COLES CO			
	COOK CO	14.8*	674*	131
	CRAWFORD CO			
	CUMBERLAND CO		323*	
	DE KALB CO			
	DE WITT CO			
	DOUGLAS CO			63
	DU PAGE CO		*	
	EDGAR CO			
	EDWARDS CO			
	EFFINGHAM CO			25

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] (μg/m^3)	Arithmetic mean NO_x conc.[3] (μg/m^3)
Illinois	FAYETTE CO			
	FORD CO			
	FRANKLIN CO			
	FULTON CO			
	GALLATIN CO			
	GREENE CO			
	GRUNDY CO		*	
	HAMILTON CO			
	HANCOCK CO			
	HARDIN CO			
	HENDERSON CO			
	HENRY CO			
	IROQUOIS CO			
	JACKSON CO			34
	JASPER CO			
	JEFFERSON CO			
	JERSEY CO			
	JO DAVIESS CO			21
	JOHNSON CO			
	KANE CO		*	
	KANKAKEE CO		*	
	KENDALL CO		*	
	KNOX CO			35
	LAKE CO		*	49
	LA SALLE CO		*	31
	LAWRENCE CO			
	LEE CO			
	LIVINGSTON CO			
	LOGAN CO			
	MC DONOUGH CO			
	MC HENRY CO		*	
	MC LEAN CO		*	40
	MACON CO		233 *	38
	MACOUPIN CO			
	MADISON CO	13.4	155 *	59
	MARION CO			
	MARSHALL CO			38
	MASON CO			
	MASSAC CO			27
	MENARD CO			
	MERCER CO			
	MONROE CO		*	
	MONTGOMERY CO			
	MORGAN CO			
	MOULTRIE CO			
	OGLE CO			
	PEORIA CO	8.4 *	247 *	49
	PERRY CO			
	PIATT CO			
	PIKE CO			
	POPE CO			
	PULASKI CO			
	PUTNAM CO			
	RANDOLPH CO			
	RICHLAND CO			
	ROCK ISLAND CO	9.4	286 *	53
	ST CLAIR CO	5.9	282 *	65

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Illinois	SALINE CO			
	SANGAMON CO	5.8	274*	44
	SCHUYLER CO			
	SCOTT CO			
	SHELBY CO			
	STARK CO			
	STEPHENSON CO			
	TAZEWELL CO		*	
	UNION CO			
	VERMILION CO			30
	WABASH CO			
	WARREN CO			
	WASHINGTON CO			
	WAYNE CO			
	WHITE CO			
	WHITESIDE CO			
	WILL CO	5.1	304*	62
	WILLIAMSON CO		*	28
	WINNEBAGO CO		*	39
	WOODFORD CO			
Indiana	ADAMS CO			
	ALLEN CO		*	39
	BARTHOLOMEW CO			28
	BENTON CO			
	BLACKFORD CO			
	BOONE CO			36
	BROWN CO			
	CARROLL CO			
	CASS CO			
	CLARK CO		*	50
	CLAY CO			
	CLINTON CO			
	CRAWFORD CO			
	DAVIESS CO			
	DEARBORN CO			
	DECATUR CO			
	DE KALB CO			
	DELAWARE CO			
	DUBOIS CO			24
	ELKHART CO			
	FAYETTE CO			
	FLOYD CO		294*	58
	FOUNTAIN CO			
	FRANKLIN CO			
	FULTON CO			
	GIBSON CO			
	GRANT CO			40
	GREENE CO			
	HAMILTON CO			
	HANCOCK CO			
	HARRISON CO			
	HENDRICKS CO			
	HENRY CO			
	HOWARD CO			18
	HUNTINGTON CO			
	JACKSON CO			
	JASPER CO			20

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] (μg/m^3)	Arithmetic mean NO_x conc.[3] (μg/m^3)
Indiana	JAY CO			
	JEFFERSON CO			31
	JENNINGS CO			
	JOHNSON CO			
	KNOX CO			24
	KOSCIUSKO CO			
	LAGRANGE CO			
	LAKE CO	45.9 *	513 *	67
	LA PORTE CO			32
	LAWRENCE CO			
	MADISON CO			34
	MARION CO	144 *	529 *	71
	MARSHALL CO			
	MARTIN CO			
	MIAMI CO			
	MONROE CO			45
	MONTGOMERY CO			
	MORGAN CO			
	NEWTON CO			
	NOBLE CO			
	OHIO CO			
	ORANGE CO			
	OWEN CO			
	PARKE CO			
	PERRY CO			
	PIKE CO			
	PORTER CO		*	22
	POSEY CO			
	PULASKI CO			
	PUTNAM CO			
	RANDOLPH CO			
	RIPLEY CO			
	RUSH CO			
	ST JOSEPH CO		*	55
	SCOTT CO			
	SHELBY CO			
	SPENCER CO			
	STARKE CO			
	STEUBEN CO			
	SULLIVAN CO			
	SWITZERLAND CO			
	TIPPECANOE CO			34
	TIPTON CO			
	UNION CO			
	VANDERBURGH CO	2.9	227 *	60
	VERMILLION CO			
	VIGO CO			48
	WABASH CO			
	WARREN CO			
	WARRICK CO			
	WASHINGTON CO			
	WAYNE CO			
	WELLS CO			
	WHITE CO			
	WHITLEY CO			
Iowa	ADAIR CO			
	ADAMS CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Iowa	ALLAMAKEE CO			
	APPANOOSE CO			
	AUDUBON CO			
	BENTON CO			
	BLACK HAWK CO			
	BOONE CO			
	BREMER CO			
	BUCHANAN CO			
	BUENA VISTA CO			
	BUTLER CO			
	CALHOUN CO			
	CARROLL CO			
	CASS CO			
	CEDAR CO			
	CERRO GORDO CO			
	CHEROKEE CO			
	CHICKASAW CO			
	CLARKE CO			
	CLAY CO			
	CLAYTON CO			
	CLINTON CO			
	CRAWFORD CO			
	DALLAS CO			
	DAVIS CO			
	DECATUR CO			
	DELAWARE CO			
	DES MOINES CO			
	DICKINSON CO			
	DUBUQUE CO	8.7		29
	EMMET CO			
	FAYETTE CO			
	FLOYD CO			
	FRANKLIN CO			
	FREMONT CO			
	GREENE CO			
	GRUNDY CO			
	GUTHRIE CO			
	HAMILTON CO			
	HANCOCK CO			
	HARDIN CO			
	HARRISON CO			
	HENRY CO			
	HOWARD CO			
	HUMBOLDT CO			
	IDA CO			
	IOWA CO			
	JACKSON CO			
	JASPER CO			
	JEFFERSON CO			
	JOHNSON CO			
	JONES CO			
	KEOKUK CO			
	KOSSUTH CO			
	LEE CO			
	LINN CO	6.6	263*	42
	LOUISA CO			
	LUCAS CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Iowa	LYON CO			
	MADISON CO			
	MAHASKA CO			
	MARION CO			
	MARSHALL CO			
	MILLS CO			
	MITCHELL CO			
	MONONA CO			
	MONROE CO			
	MONTGOMERY CO			
	MUSCATINE CO			
	O'BRIEN CO			
	OSCEOLA CO			
	PAGE CO			
	PALO ALTO CO			
	PLYMOUTH CO			
	POCAHONTAS CO			
	POLK CO	12.8 *	229 *	53
	POTTAWATTAMIE CO		*	
	POWESHIEK CO			
	RINGGOLD CO			
	SAC CO			
	SCOTT CO	11.0	186 *	
	SHELBY CO			
	SIOUX CO			
	STORY CO			
	TAMA CO			
	TAYLOR CO			
	UNION CO			
	VAN BUREN CO			
	WAPELLO CO			
	WARREN CO			13
	WASHINGTON CO			
	WAYNE CO			
	WEBSTER CO			
	WINNEBAGO CO			
	WINNESHIEK CO			
	WOODBURY CO			
	WORTH CO			
	WRIGHT CO			
Kansas	ALLEN CO			
	ANDERSON CO			
	ATCHISON CO			22
	BARBER CO			
	BARTON CO			
	BOURBON CO			
	BROWN CO			
	BUTLER CO			13
	CHASE CO			
	CHAUTAUQUA CO			
	CHEROKEE CO			
	CHEYENNE CO			
	CLARK CO			
	CLAY CO			
	CLOUD CO			
	COFFEY CO			
	COMANCHE CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Kansas	COWLEY CO			19
	CRAWFORD CO			
	DECATUR CO			
	DICKINSON CO			
	DONIPHAN CO			
	DOUGLAS CO	11.1	260 *	27
	EDWARDS CO			
	ELK CO			
	ELLIS CO			
	ELLSWORTH CO			
	FINNEY CO			
	FORD CO			9
	FRANKLIN CO			
	GEARY CO			
	GOVE CO			
	GRAHAM CO			9
	GRANT CO			9
	GRAY CO			
	GREELEY CO			
	GREENWOOD CO			
	HAMILTON CO			
	HARPER CO			
	HARVEY CO			
	HASKELL CO			
	HODGEMAN CO			
	JACKSON CO			
	JEFFERSON CO			
	JEWELL CO			
	JOHNSON CO		*	23
	KEARNEY CO			
	KINGMAN CO			
	KIOWA CO			
	LABETTE CO			
	LANE CO			
	LEAVENWORTH CO			26
	LINCOLN CO			
	LINN CO			13
	LOGAN CO			
	LYON CO			
	MC PHERSON CO			17
	MARION CO			
	MARSHALL CO			
	MEADE CO			
	MIAMI CO			
	MITCHELL CO			
	MONTGOMERY CO			15
	MORRIS CO			
	MORTON CO			
	NEMAHA CO			
	NEOSHO CO			
	NESS CO			
	NORTON CO			
	OSAGE CO			
	OSBORNE CO			
	OTTAWA CO			
	PAWNEE CO			
	PHILLIPS CO			18

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Kansas	POTTAWATOMIE CO			9
	PRATT CO			
	RAWLINS CO			
	RENO CO			19
	REPUBLIC CO			
	RICE CO			
	RILEY CO			15
	ROOKS CO			
	RUSH CO			
	RUSSELL CO			
	SALINE CO			
	SCOTT CO			
	SEDGWICK CO	17.8 *	240 *	36
	SEWARD CO			
	SHAWNEE CO	11.5	150	31
	SHERIDAN CO			
	SHERMAN CO			12
	SMITH CO			
	STAFFORD CO			
	STANTON CO			
	STEVENS CO			
	SUMNER CO			
	THOMAS CO			
	TREGO CO			
	WABAUNSEE CO			
	WALLACE CO			
	WASHINGTON CO			
	WICHITA CO	12.8	180	
	WILSON CO			
	WOODSON CO			
	WYANDOTTE CO	10.9 *	260 *	54
Kentucky	ADAIR CO			
	ALLEN CO			
	ANDERSON CO			
	BALLARD CO			24
	BARREN CO			24
	BATH CO			
	BELL CO			32
	BOONE CO		244 *	43
	BOURBON CO			34
	BOYD CO	6.9	263 *	51
	BOYLE CO			44
	BRACKEN CO			
	BREATHITT CO			
	BRECKINRIDGE CO			
	BULLITT CO			39
	BUTLER CO			
	CALDWELL CO			26
	CALLOWAY CO			26
	CAMPBELL CO	5.6	225 *	75
	CARLISLE CO			22
	CARROLL CO			25
	CARTER CO			24
	CASEY CO			
	CHRISTIAN CO			
	CLARK CO			38
	CLAY CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Kentucky	CLINTON CO			
	CRITTENDEN CO			
	CUMBERLAND CO			
	DAVIESS CO	6.3	206	57
	EDMONSON CO			
	ELLIOTT CO			
	ESTILL CO			
	FAYETTE CO	8.6	265*	36
	FLEMING CO			
	FLOYD CO			27
	FRANKLIN CO			39
	FULTON CO			25
	GALLATIN CO			18
	GARRARD CO			
	GRANT CO			
	GRAVES CO			
	GRAYSON CO			19
	GREEN CO			
	GREENUP CO			33
	HANCOCK CO			28
	HARDIN CO			30
	HARLAN CO			19
	HARRISON CO			33
	HART CO			
	HENDERSON CO	4.1	292*	46
	HENRY CO			
	HICKMAN CO			
	HOPKINS CO			24
	JACKSON CO			
	JEFFERSON CO	22.4*	343*	76
	JESSAMINE CO			
	JOHNSON CO			
	KENTON CO		*	49
	KNOTT CO			
	KNOX CO			
	LARUE CO			
	LAUREL CO			37
	LAWRENCE CO			32
	LEE CO			
	LESLIE CO			
	LETCHER CO			
	LEWIS CO			
	LINCOLN CO			
	LIVINGSTON CO			18
	LOGAN CO			20
	LYON CO			
	MC CRACKEN CO	9.0	200	48
	MC CREARY CO			
	MC LEAN CO			
	MADISON CO			23
	MAGOFFIN CO			
	MARION CO			
	MARSHALL CO			26
	MARTIN CO			
	MASON CO			28
	MEADE CO			
	MENIFEE CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Kentucky	MERCER CO			
	METCALFE CO			
	MONROE CO			
	MONTGOMERY CO			
	MORGAN CO			
	MUHLENBERG CO			31
	NELSON CO			24
	NICHOLAS CO			
	OHIO CO			
	OLDHAM CO			28
	OWEN CO			19
	OWSLEY CO			
	PENDLETON CO			20
	PERRY CO			36
	PIKE CO			33
	POWELL CO			
	PULASKI CO			28
	ROBERTSON CO			
	ROCKCASTLE CO			
	ROWAN CO			18
	RUSSELL CO			
	SCOTT CO			
	SHELBY CO			31
	SIMPSON CO			17
	SPENCER CO			
	TAYLOR CO			
	TODD CO			15
	TRIGG CO			
	TRIMBLE CO			
	UNION CO			
	WARREN CO			30
	WASHINGTON CO			
	WAYNE CO			
	WEBSTER CO			
	WHITLEY CO			42
	WOLFE CO			
	WOODFORD CO			
Louisiana	ACADIA PAR			
	ALLEN PAR			
	ASCENSION PAR		*	
	ASSUMPTION PAR			
	AVOYELLES PAR			
	BEAUREGARD PAR		*	
	BIENVILLE PAR			
	BOSSIER PAR		*	
	CADDO PAR		269 *	25
	CALCASIEU PAR		259 *	96
	CALDWELL PAR			
	CAMERON PAR			
	CATAHOULA PAR			
	CLAIBORNE PAR			
	CONCORDIA PAR			
	DE SOTO PAR			
	EAST BATON ROUGE PAR		361 *	52
	EAST CARROLL PAR			
	EAST FELICIANA PAR			
	EVANGELINE PAR			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Louisiana	FRANKLIN PAR			
	GRANT PAR		255*	
	IBERIA PAR			
	IBERVILLE PAR		312*	32
	JACKSON PAR			
	JEFFERSON PAR		*	
	JEFFERSON DAVIS PAR			
	LAFAYETTE PAR		*	
	LAFOURCHE PAR		*	
	LA SALLE PAR			
	LINCOLN PAR			
	LIVINGSTON PAR			
	MADISON PAR			
	MOREHOUSE PAR			
	NATCHITOCHES PAR			
	ORLEANS PAR		253*	39
	OUACHITA PAR			
	PLAQUEMINES PAR			
	POINTE COUPEE PAR		*	
	RAPIDES PAR			
	RED RIVER PAR			
	RICHLAND PAR			
	ST BERNARD PAR		*	
	ST CHARLES PAR		*	
	ST HELENA PAR			
	ST JAMES PAR		*	
	ST JOHN THE BAPTIST PAR		*	
	ST LANDRY PAR			
	ST MARTIN PAR			
	ST MARY PAR		*	
	ST TAMMANY PAR			
	SABINE PAR			
	TANGIPAHOA PAR			
	TENSAS PAR			
	TERREBONNE PAR			
	UNION PAR			
	VERMILION PAR			
	VERNON PAR			
	WASHINGTON PAR			
	WEBSTER PAR			
	WEST BATON ROUGE PAR		*	
	WEST CARROLL PAR			
	WEST FELICIANA PAR			
	WINN PAR			
Maine	ANDROSCOGGIN CO	18.1 *	*	33
	AROOSTOOK CO			
	CUMBERLAND CO		450*	47
	FRANKLIN CO		*	
	HANCOCK CO		*	6
	KENNEBEC CO		*	36
	KNOX CO		*	
	LINCOLN CO		*	
	OXFORD CO		*	
	PENOBSCOT CO	15.6 *	*	44
	PISCATAQUIS CO		*	
	SAGADAHOC CO		*	
	SOMERSET CO		*	

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
Maine	WALDO CO		*	
	WASHINGTON CO		*	
	YORK CO		*	
Maryland	ALLEGANY CO	9.4 *	*	44
	ANNE ARUNDEL CO	7.3	294 *	61
	BALTIMORE	*	*	
	BALTIMORE CO	13.0	412 *	66
	CALVERT CO			21
	CAROLINE CO			
	CARROLL CO		*	28
	CECIL CO			38
	CHARLES CO			25
	DORCHESTER CO			31
	FREDERICK CO			61
	GARRETT CO		*	26
	HARFORD CO		*	41
	HOWARD CO		*	36
	KENT CO			
	MONTGOMERY CO	11.3 *	333 *	90
	PRINCE GEORGES CO	7.9 *	353 *	77
	QUEEN ANNES CO			
	ST MARYS CO			22
	SOMERSET CO			
	TALBOT CO			
	WASHINGTON CO	*	*	
	WICOMICO CO			36
	WORCESTER CO			
Mass.	BARNSTABLE		*	
	BERKSHIRE		*	
	BRISTOL		*	
	DUKES		*	
	ESSEX		*	
	FRANKLIN		*	
	HAMPDEN	*	*	
	HAMPSHIRE		*	
	MIDDLESEX	*	*	
	NANTUCKET		*	
	NORFOLK		*	
	PLYMOUTH		*	
	SUFFOLK	*	*	
	WORCHESTER	*	*	
	BERKSHIRE APCD			
	CENTRAL MASSACHUSETTS			
	MERRIMACK VALLEY APCD			
	METROPOLITAN BOSTON			
	PIONEER VALLEY APCD			
	SOUTHEASTERN MASS.			
Michigan	ALCONA CO			
	ALGER CO			
	ALLEGAN CO		*	
	ALPENA CO			
	ANTRIM CO			
	ARENAC CO			
	BARAGA CO			
	BARRY CO			
	BAY CO		250*	
	BENZIE CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
46 Michigan	BERRIEN CO		*	
	BRANCH CO		*	
	CALHOUN CO		*	
	CASS CO		*	
	CHARLEVOIX CO			
	CHEBOYGAN CO			
	CHIPPEWA CO			
	CLARE CO			
	CLINTON CO		*	
	CRAWFORD CO			
	DELTA CO			
	DICKINSON CO			
	EATON CO		*	
	EMMET CO			
	GENESEE CO		213*	
	GLADWIN CO			
	GOGEBIC CO			
	GRAND TRAVERSE CO			
	GRATIOT CO		*	
	HILLSDALE CO		*	
	HOUGHTON CO			
	HURON CO		*	
	INGHAM CO		186*	57
	IONIA CO		*	
	IOSCO CO			
	IRON CO			
	ISABELLA CO			
	JACKSON CO		*	
	KALAMAZOO CO		*	58
	KALKASKA CO			
	KENT CO	6.5	231*	70
	KEWEENAW CO			
	LAKE CO			
	LAPEER CO		*	
	LEELANAU CO			
	LENAWEE CO		*	
	LIVINGSTON CO		*	
	LUCE CO			
	MACKINAC CO			
	MACOMB CO	12.2*	431*	63
	MANISTEE CO			
	MARQUETTE CO		69*	24
	MASON CO			
	MECOSTA CO			
	MENOMINEE CO			
	MIDLAND CO		*	27
	MISSAUKEE CO			
	MONROE CO		*	
	MONTCALM CO		*	
	MONTMORENCY CO			
	MUSKEGON CO		*	34
	NEWAYGO CO			
	OAKLAND CO	8.8*	280*	124
	OCEANA CO			
	OGEMAW CO			
	ONTONAGON CO			
	OSCEOLA CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Michigan	OSCODA CO			
	OTSEGO CO			
	OTTAWA CO		*	
	PRESQUE ISLE CO			
	ROSCOMMON CO			
	ST CLAIR CO	7.9	451*	95
	ST JOSEPH CO		*	
	SAGINAW CO	20.7*	*	74
	SANILAC CO		*	
	SCHOOLCRAFT CO			
	SHIAWASSEE CO		+	
	TUSCOLA CO		*	
	VAN BUREN CO		*	
	WASHTENAW CO		*	
	WAYNE CO	18.3*	284*	76
	WEXFORD CO			
Minnesota	AITKIN CO			
	ANOKA CO	*	210*	
	BECKER CO			
	BELTRAMI CO			
	BENTON CO	*		
	BIG STONE CO			
	BLUE EARTH CO			
	BROWN CO			
	CARLTON CO		*	5
	CARVER CO	*	*	
	CASS CO			
	CHIPPEWA CO			
	CHISAGO CO			
	CLAY CO			
	CLEARWATER CO			
	COOK CO			
	COTTONWOOD CO			
	CROW WING CO			
	DAKOTA CO	*	*	40
	DODGE CO			
	DOUGLAS CO			
	FARIBAULT CO			
	FILLMORE CO			
	FREEBORN CO			
	GOODHUE CO			
	GRANT CO			
	HENNEPIN CO	5.5*	188*	69
	HOUSTON CO			
	HUBBARD CO			
	ISANTI CO			
	ITASCA CO			
	JACKSON CO			
	KANABEC CO			
	KANDIYOHI CO			
	KITTSON CO			
	KOOCHICHING CO			
	LAC QUI PARLE CO			
	LAKE CO		196*	6
	LAKE OF THE WOODS CO			
	LE SUEUR CO			
	LINCOLN CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Minnesota	LYON CO			
	MC LEOD CO			
	MAHNOMEN CO			
	MARSHALL CO			
	MARTIN CO			
	MEEKER CO		202	
	MILLE LACS CO			
	MORRISON CO			
	MOWER CO			
	MURRAY CO			
	NICOLLET CO			
	NOBLES CO			
	NORMAN CO			
	OLMSTED CO	11.7*	1156*	18
	OTTER TAIL CO			
	PENNINGTON CO			
	PINE CO			
	PIPESTONE CO			
	POLK CO			
	POPE CO			
	RAMSEY CO	13.2*	*	58
	RED LAKE CO			
	REDWOOD CO			
	RENVILLE CO			
	RICE CO			
	ROCK CO			
	ROSEAU CO			
	ST LOUIS CO	17.3*	*	28
	SCOTT CO	*	*	
	SHERBURNE CO	20.7*	*	15
	SIBLEY CO			
	STEARNS CO	*		27
	STEELE CO			
	STEVENS CO			
	SWIFT CO			
	TODD CO			
	TRAVERSE CO			
	WABASHA CO			
	WADENA CO			
	WASECA CO			
	WASHINGTON CO	*	*	40
	WATONWAN CO			
	WILKIN CO			
	WINONA CO			
	WRIGHT CO			
	YELLOW MEDICINE CO			
Miss.	ADAMS CO			
	ALCORN CO			
	AMITE CO			
	ATTALA CO			
	BENTON CO			
	BOLIVAR CO			
	CALHOUN CO			
	CARROLL CO			
	CHICKASAW CO			
	CHOCTAW CO			
	CLAIBORNE CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Miss.	CLARKE CO			
	CLAY CO			
	COAHOMA CO			
	COPIAH CO			
	COVINGTON CO			
	DE SOTO CO		358	24
	FORREST CO			
	FRANKLIN CO			
	GEORGE CO			
	GREENE CO			
	GRENADA CO			
	HANCOCK CO			
	HARRISON CO			
	HINDS CO		299	34
	HOLMES CO			
	HUMPHREYS CO			
	ISSAQUENA CO			
	ITAWAMBA CO			
	JACKSON CO		274	
	JASPER CO			
	JEFFERSON CO			
	JEFFERSON DAVIS CO			
	JONES CO			
	KEMPER CO			
	LAFAYETTE CO			
	LAMAR CO			
	LAUDERDALE CO			
	LAWRENCE CO			
	LEAKE CO			
	LEE CO			
	LEFLORE CO			
	LINCOLN CO			
	LOWNDES CO			
	MADISON CO			
	MARION CO			
	MARSHALL CO			
	MONROE CO			
	MONTGOMERY CO			
	NESHOBA CO			
	NEWTON CO			
	NOXUBEE CO			
	OKTIBBEHA CO			
	PANOLA CO			
	PEARL RIVER CO			
	PERRY CO			
	PIKE CO			
	PONTOTOC CO			
	PRENTISS CO			
	QUITMAN CO			
	RANKIN CO			
	SCOTT CO			
	SHARKEY CO			
	SIMPSON CO			
	SMITH CO			
	STONE CO			
	SUNFLOWER CO			
	TALLAHATCHIE CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Miss.	TATE CO			
	TIPPAH CO			
	TISHOMINGO CO			
	TUNICA CO			
	UNION CO			
	WALTHALL CO			
	WARREN CO			17
	WASHINGTON CO			
	WAYNE CO			
	WEBSTER CO			
	WILKINSON CO			
	WINSTON CO			
	YALOBUSHA CO			
	YAZOO CO			5
Missouri	ADAIR CO			
	ANDREW CO			
	ATCHISON CO			
	AUDRAIN CO			
	BARRY CO			
	BARTON CO			
	BATES CO			
	BENTON CO			
	BOLLINGER CO			
	BOONE CO			
	BUCHANAN CO			
	BUTLER CO			
	CALDWELL CO			
	CALLAWAY CO			
	CAMDEN CO			
	CAPE GIRARDEAU CO			
	CARROLL CO			
	CARTER CO			
	CASS CO			
	CEDAR CO			
	CHARITON CO			
	CHRISTIAN CO			
	CLARK CO			
	CLAY CO	3.3	216*	27
	CLINTON CO			
	COLE CO			
	COOPER CO			
	CRAWFORD CO			
	DADE CO			
	DALLAS CO			
	DAVIESS CO			
	DE KALB CO			
	DENT CO			
	DOUGLAS CO			
	DUNKLIN CO			
	FRANKLIN CO		*	
	GASCONADE CO			
	GENTRY CO			
	GREENE CO	15.1	151	62
	GRUNDY CO			
	HARRISON CO			
	HENRY CO			
	HICKORY CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
Missouri	HOLT CO			
	HOWARD CO			
	HOWELL CO			
	IRON CO			
	JACKSON CO		*	24
	JASPER CO		*	
	JEFFERSON CO			
	JOHNSON CO			
	KNOX CO			
	LACLEDE CO			
	LAFAYETTE CO			
	LAWRENCE CO			
	LEWIS CO			
	LINCOLN CO			
	LINN CO			
	LIVINGSTON CO			
	MC DONALD CO			
	MACON CO			
	MADISON CO			
	MARIES CO			
	MARION CO			
	MERCER CO			
	MILLER CO			
	MISSISSIPPI CO			
	MONITEAU CO			
	MONROE CO			
	MONTGOMERY CO			
	MORGAN CO			
	NEW MADRID CO			
	NEWTON CO			
	NODAWAY CO			
	OREGON CO			
	OSAGE CO			
	OZARK CO			
	PEMISCOT CO			
	PERRY CO			
	PETTIS CO			
	PHELPS CO			
	PIKE CO			
	PLATTE CO		*	
	POLK CO			
	PULASKI CO			
	PUTNAM CO			
	RALLS CO			
	RANDOLPH CO			
	RAY CO			
	REYNOLDS CO			
	RIPLEY CO			
	ST CHARLES CO	5.9	86 *	142
	ST CLAIR CO			
	ST FRANCOIS CO			
	ST LOUIS	15.9 *	382 *	52
	ST LOUIS CO	*	*	
	STE GENEVIEVE CO			
	SALINE CO			
	SCHUYLER CO			
	SCOTLAND CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Missouri	SCOTT CO			
	SHANNON CO			9
	SHELBY CO			
	STODDARD CO			
	STONE CO			
	SULLIVAN CO			
	TANEY CO			
	TEXAS CO			
	VERNON CO			
	WARREN CO			
	WASHINGTON CO			
	WAYNE CO			
	WEBSTER CO			
	WORTH CO			
	WRIGHT CO			
Montana	BEAVERHEAD CO			
	BIG HORN CO			
	BLAINE CO			
	BROADWATER CO			
	CARBON CO			
	CARTER CO			
	CASCADE CO	7.5		
	CHOUTEAU CO			
	CUSTER CO			
	DANIELS CO			3
	DAWSON CO			
	DEER LODGE CO			
	FALLON CO			
	FERGUS CO			
	FLAT HEAD CO			
	GALLATIN CO			
	GARFIELD CO			
	GLACIER CO			4
	GOLDEN VALLEY CO			
	GRANITE CO			
	HILL CO			
	JEFFERSON CO			
	JUDITH BASIN CO			
	LAKE CO			
	LEWIS AND CLARK CO			
	LIBERTY CO			
	LINCOLN CO			
	MC CONE CO			3
	MADISON CO			
	MEAGHER CO			
	MINERAL CO			
	MISSOULA CO	25.2 *		
	MUSSELSHELL CO			
	PARK CO			
	PETROLEUM CO			
	PHILLIPS CO			
	PONDERA CO			
	POWDER RIVER CO			
	POWELL CO			
	PRAIRIE CO			
	RAVALLI CO			
	RICHLAND CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Montana	ROOSEVELT CO			
	ROSEBUD CO		235	65
	SANDERS CO			
	SHERIDAN CO			
	SILVER BOW CO	4.8	302	15
	STILLWATER CO			
	SWEET GRASS CO			
	TETON CO			
	TOOLE CO			
	TREASURE CO			
	VALLEY CO			
	WHEATLAND CO			
	WIBAUX CO			
	YELLOWSTONE CO	12.2*	133*	57
Nebraska	ADAMS CO			
	ANTELOPE CO			
	ARTHUR CO			
	BANNER CO			
	BLAINE CO			
	BOONE CO			
	BOX BUTTE CO			
	BOYD CO			
	BROWN CO			
	BUFFALO CO			
	BURT CO			
	BUTLER CO			
	CASS CO			
	CEDAR CO			
	CHASE CO			
	CHERRY CO			
	CHEYENNE CO			
	CLAY CO			
	COLFAX CO			
	CUMING CO			
	CUSTER CO			
	DAKOTA CO			
	DAWES CO			
	DAWSON CO			
	DEUEL CO			
	DIXON CO			
	DODGE CO			
	DOUGLAS CO	16.1*	186*	58
	DUNDY CO			
	FILLMORE CO			
	FRANKLIN CO			
	FRONTIER CO			
	FURNAS CO			
	GAGE CO			
	GARDEN CO			
	GARFIELD CO			
	GOSPER CO			
	GRANT CO			
	GREELEY CO			
	HALL CO			
	HAMILTON CO			
	HARLAN CO			
	HAYES CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Nebraska	HITCHCOCK CO			
	HOLT CO			
	HOOKER CO			
	HOWARD CO			
	JEFFERSON CO			
	JOHNSON CO			
	KEARNEY CO			
	KEITH CO			
	KEYA PAHA CO			
	KIMBALL CO			
	KNOX CO			
	LANCASTER CO	17.3*		35
	LINCOLN CO			
	LOGAN CO			
	LOUP CO			
	MC PHERSON CO			
	MADISON CO			
	MERRICK CO			
	MORRILL CO			
	NANCE CO			
	NEMAHA CO			
	NUCKOLLS CO			
	OTOE CO			
	PAWNEE CO			
	PERKINS CO			
	PHELPS CO			
	PIERCE CO			
	PLATTE CO			
	POLK CO			
	RED WILLOW CO			
	RICHARDSON CO			
	ROCK CO			
	SALINE CO			
	SARPY CO		*	54
	SAUNDERS CO			
	SCOTTS BLUFF CO			
	SEWARD CO			
	SHERIDAN CO			
	SHERMAN CO			
	SIOUX CO			
	STANTON CO			
	THAYER CO			
	THOMAS CO			16
	THURSTON CO			
	VALLEY CO			
	WASHINGTON CO			
	WAYNE CO			
	WEBSTER CO			
	WHEELER CO			
	YORK CO			
Nevada	CARSON CITY	*	*	
	CHURCHILL CO			
	CLARK CO	12.8 *	664 *	30
	DOUGLAS CO	12.9 *	122 *	
	ELKO CO			
	ESMERALDA CO			
	EUREKA CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] (μg/m^3)	Arithmetic mean NO_x conc.[3] (μg/m^3)
New Mexico	MC KINLEY CO			
	MORA CO			
	OTERO CO			
	QUAY CO			
	RIO ARRIBA CO			
	ROOSEVELT CO			
	SANDOVAL CO			
	SAN JUAN CO	7.8 *		39
	SAN MIGUEL CO			
	SANTA FE CO	10.2 *		
	SIERRA CO			
	SOCORRO CO			21
	TAOS CO			
	TORRANCE CO			
	UNION CO			
	VALENCIA CO			
New York	ALBANY CO	*	*	
	ALLEGANY CO			
	BRONX CO	7.5 *	245 *	79
	BROOME CO	3.7	104	
	CATTARAUGUS CO			
	CAYUGA CO		*	
	CHAUTAUQUA CO			
	CHEMUNG CO	2.8		
	CHENANGO CO			
	CLINTON CO			
	COLUMBIA CO		*	
	CORTLAND CO			
	DELAWARE CO			
	DUTCHESS CO		*	
	ERIE CO	10.7 *	261 *	
	ESSEX CO		245	
	FRANKLIN CO			
	FULTON CO		*	
	GENESEE CO		*	
	GREENE CO		*	
	HAMILTON CO			
	HERKIMER CO			
	JEFFERSON CO			
	KINGS CO	6.9 *	314 *	97
	LEWIS CO			
	LIVINGSTON CO		*	
	MADISON CO			
	MONROE CO	4.6 *	253 *	52
	MONTGOMERY CO		*	
	NASSAU CO	12.2 *	384 *	
	NEW YORK CO	23.9 *	425 *	78
	NIAGARA CO	10.0	284 *	
	ONEIDA CO	4.6	239	
	ONONDAGA CO	9.3 *	267 *	63
	ONTARIO CO		*	
	ORANGE CO		*	
	ORLEANS CO		*	
	OSWEGO CO			
	OTSEGO CO			
	PUTNAM CO		*	
	QUEENS CO	* 5.5 *	* 255 *	71

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Nevada	HUMBOLDT CO			
	LANDER CO			
	LINCOLN CO			
	LYON CO			
	MINERAL CO			
	NYE CO			
	PERSHING CO			
	STOREY CO			
	WASHOE CO	21.8 *	980 *	63
	WHITE PINE CO			
New Hamp.	BELKNAP CO		*	
	CARROLL CO		*	
	CHESHIRE CO		288 *	28
	COOS CO	6.9	157	27
	GRAFTON CO		18 *	
	HILLSBOROUGH CO	9.6 *	333 *	46
	MERRIMACK CO		*	29
	ROCKINGHAM CO		451 *	35
	STRAFFORD CO		*	27
	SULLIVAN CO		*	
New Jersey	ATLANTIC CO	11.0 *	*	
	BERGEN CO	13.4 *	*	
	BURLINGTON CO	15.2 *	*	
	CAMDEN CO	15.8 *	306 *	55
	CAPE MAY CO		*	
	CUMBERLAND CO		*	
	ESSEX CO	13.2	*	67
	GLOUCESTER CO	11.5	*	33
	HUDSON CO	23.0 *	306 *	63
	HUNTERDON CO		*	
	MERCER CO	9.4 *	229 *	38
	MIDDLESEX CO	12.7 *	*	
	MONMOUTH CO	13.2 *	261 *	
	MORRIS CO	24.5 *	*	
	OCEAN CO	17.4 *	*	
	PASSAIC CO	12.7 *	*	54
	SALEM CO	9.5 *	*	
	SOMERSET CO	12.2 *	400 *	
	SUSSEX CO		*	
	UNION CO	22.2 *	*	81
	WARREN CO	8.4	*	47
New Mexico	BERNALILLO CO	25.2 *	294 *	40
	CATRON CO			
	CHAVES CO	8.1		21
	COLFAX CO			25
	CURRY CO			
	DE BACA CO			
	DONA ANA CO	11.6 *		29
	EDDY CO			27
	GRANT CO			20
	GUADALUPE CO			
	HARDING CO			
	HIDALGO CO			17
	LEA CO			26
	LINCOLN CO			
	LOS ALAMOS CO			
	LUNA CO			31

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
New York	RENSSELAER CO	4.0 *	245 *	
	RICHMOND CO	*	294 *	55
	ROCKLAND CO		*	
	ST. LAWRENCE CO			
	SARATOGA CO	*	*	
	SCHENECTADY CO	8.5 *	*	255
	SCHOHARIE CO		*	
	SCHUYLER CO			
	SENECA CO		*	
	STEUBEN CO			
	SUFFOLK CO		410 *	
	SULLIVAN CO			
	TIOGA CO			
	TOMPKINS CO			
	ULSTER CO	4.2	100 *	
	WARREN CO		239	
	WASHINGTON CO			
	WAYNE CO		*	
	WESTCHESTER CO	9.2 *	361 *	26
	WYOMING CO		*	
	YATES CO		*	
N. Carolin	ALAMANCE CO			39
	ALEXANDER CO			
	ALLEGHANY CO			
	ANSON CO			
	ASHE CO			
	AVERY CO			
	BEAUFORT CO			
	BERTIE CO			
	BLADEN CO			
	BRUNSWICK CO			
	BUNCOMBE CO		180	62
	BURKE CO			
	CABARRUS CO			37
	CALDWELL CO			22
	CAMDEN CO			
	CARTERET CO			12
	CASWELL CO			
	CATAWBA CO			
	CHATHAM CO			
	CHEROKEE CO			
	CHOWAN CO			
	CLAY CO			
	CLEVELAND CO			10
	COLUMBUS CO			13
	CRAVEN CO			25
	CUMBERLAND CO			38
	CURRITUCK CO			
	DARE CO			
	DAVIDSON CO			
	DAVIE CO			
	DUPLIN CO			
	DURHAM CO			31
	EDGECOMBE CO			
	FORSYTH CO			54
	FRANKLIN CO			
	GASTON CO			67

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
N. Carolin	GATES CO			
	GRAHAM CO			
	GRANVILLE CO			
	GREENE CO			
	GUILFORD CO			25
	HALIFAX CO			20
	HARNETT CO			
	HAYWOOD CO			47
	HENDERSON CO			34
	HERTFORD CO			15
	HOKE CO			
	HYDE CO			
	IREDELL CO			25
	JACKSON CO			18
	JOHNSTON CO			
	JONES CO			
	LEE CO			37
	LENOIR CO			
	LINCOLN CO			
	MC DOWELL CO			36
	MACON CO			
	MADISON CO			
	MARTIN CO			
	MECKLENBURG CO	16.4*	274*	53
	MITCHELL CO			27
	MONTGOMERY CO			
	MOORE CO			
	NASH CO			
	NEW HANOVER CO			24
	NORTHAMPTON CO			
	ONSLOW CO			
	ORANGE CO			29
	PAMLICO CO			
	PASQUOTANK CO			
	PENDER CO			
	PERQUIMANS CO			
	PERSON CO			14
	PITT CO			17
	POLK CO			
	RANDOLPH CO			
	RICHMOND CO			30
	ROBESON CO			27
	ROCKINGHAM CO			34
	ROWAN CO			33
	RUTHERFORD CO			34
	SAMPSON CO			
	SCOTLAND CO			
	STANLY CO			26
	STOKES CO			
	SURRY CO			36
	SWAIN CO			
	TRANSYLVANIA CO			27
	TYRRELL CO			
	UNION CO			
	VANCE CO			
	WAKE CO			37
	WARREN CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (µg/m³)	Arithmetic mean NO_x conc.[3] (µg/m³)
N. Carolina	WASHINGTON CO			17
	WATAUGA CO			22
	WAYNE CO			
	WILKES CO			
	WILSON CO			
	YADKIN CO			
	YANCEY CO			
N. Dakota	ADAMS CO			
	BARNES CO			
	BENSON CO			
	BILLINGS CO			
	BOTTINEAU CO			
	BOWMAN CO			
	BURKE CO			
	BURLEIGH CO		196	24
	CASS CO			30
	CAVALIER CO			
	DICKEY CO			
	DIVIDE CO			
	DUNN CO			4
	EDDY CO			
	EMMONS CO			
	FOSTER CO			
	GOLDEN VALLEY CO			
	GRAND FORKS CO			
	GRANT CO			3
	GRIGGS CO			
	HETTINGER CO			4
	KIDDER CO			
	LA MOURE CO			
	LOGAN CO			
	MC HENRY CO			
	MC INTOSH CO			
	MC KENZIE CO			19
	MC LEAN CO			3
	MERCER CO			13
	MORTON CO			19
	MOUNTRAIL CO			
	NELSON CO			
	OLIVER CO		137	6
	PEMBINA CO			
	PIERCE CO			
	RAMSEY CO			
	RANSOM CO			
	RENVILLE CO			
	RICHLAND CO			
	ROLETTE CO			
	SARGENT CO			
	SHERIDAN CO			
	SIOUX CO			
	SLOPE CO			
	STARK CO			8
	STEELE CO			
	STUTSMAN CO			
	TOWNER CO			
	TRAILL CO			
	WALSH CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
N. Dakota	WARD CO			
	WELLS CO			
	WILLIAMS CO			
Ohio	ADAMS CO			
	ALLEN CO		265 *	43
	ASHLAND CO			
	ASHTABULA CO		304 *	51
	ATHENS CO		*	
	AUGLAIZE CO			25
	BELMONT CO			34
	BROWN CO		*	
	BUTLER CO	3.3	310 *	61
	CARROLL CO		*	19
	CHAMPAIGN CO		*	
	CLARK CO		363 *	33
	CLERMONT CO		382 *	
	CLINTON CO		*	
	COLUMBIANA CO		*	50
	COSHOCTON CO		*	30
	CRAWFORD CO			
	CUYAHOGA CO	11.9 *	196 *	58
	DARKE CO		*	
	DEFIANCE CO			
	DELAWARE CO		*	28
	ERIE CO		*	40
	FAIRFIELD CO		*	
	FAYETTE CO		*	
	FRANKLIN CO	12.7 *	216 *	115
	FULTON CO		*	
	GALLIA CO			
	GEAUGA CO		*	34
	GREENE CO		*	24
	GUERNSEY CO			
	HAMILTON CO	18.3 *	386 *	89
	HANCOCK CO		*	38
	HARDIN CO			
	HARRISON CO			17
	HENRY CO		*	32
	HIGHLAND CO		*	
	HOCKING CO		*	
	HOLMES CO		*	
	HURON CO		*	
	JACKSON CO			
	JEFFERSON CO	43.6 *	314 *	58
	KNOX CO			
	LAKE CO		337 *	52
	LAWRENCE CO		*	
	LICKING CO		*	26
	LOGAN CO		*	
	LORAIN CO		269 *	40
	LUCAS CO	8.0 *	284 *	57
	MADISON CO			
	MAHONING CO	9.5 *	271 *	83
	MARION CO	*	*	
	MEDINA CO		269 *	39
	MEIGS CO			21
	MERCER CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Ohio	MIAMI CO		127 *	24
	MONROE CO			41
	MONTGOMERY CO	16.7 *	363 *	62
	MORGAN CO			
	MORROW CO		*	
	MUSKINGUM CO			
	NOBLE CO			26
	OTTAWA CO		*	
	PAULDING CO			
	PERRY CO		*	
	PICKAWAY CO		*	
	PIKE CO			
	PORTAGE CO		353 *	39
	PREBLE CO		*	
	PUTNAM CO			
	RICHLAND CO		*	45
	ROSS CO		*	33
	SANDUSKY CO		*	
	SCIOTO CO			
	SENECA CO		*	
	SHELBY CO		*	
	STARK CO	7.3	323 *	84
	SUMMIT CO	9.5 *	284 *	59
	TRUMBULL CO		*	62
	TUSCARAWAS CO		*	
	UNION CO		*	
	VAN WERT CO			
	VINTON CO			18
	WARREN CO		294 *	37
	WASHINGTON CO			27
	WAYNE CO		*	
	WILLIAMS CO			
	WOOD CO		*	30
	WYANDOT CO			
Oklahoma	ADAIR CO			
	ALFALFA CO			
	ATOKA CO			
	BEAVER CO			
	BECKHAM CO			
	BLAINE CO			
	BRYAN CO			
	CADDO CO			
	CANADIAN CO			
	CARTER CO			
	CHEROKEE CO			6
	CHOCTAW CO			
	CIMARRON CO			
	CLEVELAND CO		1011 *	
	COAL CO			
	COMANCHE CO			7
	COTTON CO			
	CRAIG CO			
	CREEK CO			
	CUSTER CO			
	DELAWARE CO			
	DEWEY CO			
	ELLIS CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Oklahoma	GARFIELD CO			
	GARVIN CO			
	GRADY CO			
	GRANT CO			
	GREER CO			
	HARMON CO			
	HARPER CO			
	HASKELL CO			
	HUGHES CO			
	JACKSON CO			
	JEFFERSON CO			
	JOHNSTON CO			
	KAY CO			
	KINGFISHER CO			
	KIOWA CO			
	LATIMER CO			
	LE FLORE CO			
	LINCOLN CO			
	LOGAN CO			
	LOVE CO			
	MC CLAIN CO			
	MC CURTAIN CO			
	MC INTOSH CO			
	MAJOR CO			
	MARSHALL CO			
	MAYES CO			41
	MURRAY CO			
	MUSKOGEE CO			27
	NOBLE CO			
	NOWATA CO			
	OKFUSKEE CO			
	OKLAHOMA CO	12.8	213*	53
	OKMULGEE CO			
	OSAGE CO			
	OTTAWA CO			
	PAWNEE CO			
	PAYNE CO			
	PITTSBURG CO			
	PONTOTOC CO			
	POTTAWATOMIE CO			
	PUSHMATAHA CO			
	ROGER MILLS CO			
	ROGERS CO			19
	SEMINOLE CO			11
	SEQUOYAH CO			
	STEPHENS CO			
	TEXAS CO			
	TILLMAN CO			
	TULSA CO	12.7*	325*	119
	WAGONER CO			12
	WASHINGTON CO			14
	WASHITA CO			
	WOODS CO			
	WOODWARD CO			
Oregon	BAKER CO			
	BENTON CO			
	CLACKAMAS CO	*	302*	

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Oregon	CLATSOP CO			
	COLUMBIA CO			
	COOS CO			
	CROOK CO			
	CURRY CO			
	DESCHUTES CO			
	DOUGLAS CO			
	GILLIAM CO			
	GRANT CO			
	HARNEY CO			
	HOOD RIVER CO			
	JACKSON CO	*	*	
	JEFFERSON CO			
	JOSEPHINE CO			
	KLAMATH CO			
	LAKE CO			
	LANE CO	11.5 *	226 *	
	LINCOLN CO			
	LINN CO			
	MALHEUR CO			
	MARION CO	11.6 *	318 *	
	MORROW CO			
	MULTNOMAH CO	17.4 *	165 *	71
	POLK CO			
	SHERMAN CO			
	TILLAMOOK CO			
	UMATILLA CO			
	UNION CO			
	WALLOWA CO			
	WASCO CO			
	WASHINGTON CO	*	*	
	WHEELER CO			
	YAMHILL CO			
* Penn.	ADAMS CO		*	
	ALLEGHENY CO	16.7 *	*	
	ARMSTRONG CO		*	
	BEAVER CO		*	
	BEDFORD CO		*	
	BERKS CO		*	
	BLAIR CO		*	
	BRADFORD CO		*	
	BUCKS CO		*	
	BUTLER CO		*	
	CAMBRIA CO		*	
	CAMERON CO		*	
	CARBON CO			
	CENTRE CO		*	
	CHESTER CO		*	
	CLARION CO			
	CLEARFIELD CO			
	CLINTON CO		*	
	COLUMBIA CO		*	
	CRAWFORD CO		*	
	CUMBERLAND CO		*	
	DAUPHIN CO		*	
	DELAWARE CO		*	
	ELK CO		*	

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Penn.	ERIE CO		*	
	FAYETTE CO		*	
	FOREST CO		*	
	FRANKLIN CO		*	
	FULTON CO		*	
	GREENE CO		*	
	HUNTINGDON CO		*	
	INDIANA CO		*	
	JEFFERSON CO		*	
	JUNIATA CO		*	
	LACKAWANNA CO		*	
	LANCASTER CO		*	
	LAWRENCE CO		*	
	LEBANON CO		*	
	LEHIGH CO		*	
	LUZERNE CO		*	
	LYCOMING CO		*	
	MC KEAN CO		*	
	MERCER CO		*	
	MIFFLIN CO		*	
	MONROE CO		*	
	MONTGOMERY CO		*	
	MONTOUR CO		*	
	NORTHAMPTON CO		*	
	NORTHUMBERLAND CO		*	
	PERRY CO		*	
	PHILADELPHIA CO	14.4 *	372*	99
	PIKE CO		*	
	POTTER CO		*	
	SCHUYLKILL CO		*	
	SNYDER CO		*	
	SOMERSET CO		*	
	SULLIVAN CO		*	
	SUSQUEHANNA CO		*	
	TIOGA CO		*	
	UNION CO		*	
	VENANGO CO		*	
	WARREN CO		*	
	WASHINGTON CO			
	WAYNE CO		*	
	WESTMORELAND CO		*	
	WYOMING CO		*	
	YORK CO		*	
Rhode Isl.	BRISTOL CO			
	KENT CO		372*	
	NEWPORT CO		*	
	PROVIDENCE CO	14.3 *	382*	80
	WASHINGTON CO		*	15
S. Carolina	ABBEVILLE CO			
	AIKEN CO			40
	ALLENDALE CO			
	ANDERSON CO			38
	BAMBERG CO			
	BARNWELL CO			
	BEAUFORT CO			17
	BERKELEY CO		*	26
	CALHOUN CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
S. Carolina	CHARLESTON CO	7.6	*	38
	CHEROKEE CO			
	CHESTER CO			
	CHESTERFIELD CO			
	CLARENDON CO			
	COLLETON CO			
	DARLINGTON CO			
	DILLON CO			
	DORCHESTER CO			
	EDGEFIELD CO			
	FAIRFIELD CO			
	FLORENCE CO			38
	GEORGETOWN CO			31
	GREENVILLE CO			44
	GREENWOOD CO			27
	HAMPTON CO			
	HORRY CO			28
	JASPER CO			27
	KERSHAW CO			32
	LANCASTER CO			36
	LAURENS CO			40
	LEE CO			
	LEXINGTON CO		*	44
	MC CORMICK CO			
	MARION CO			
	MARLBORO CO			
	NEWBERRY CO			30
	OCONEE CO			
	ORANGEBURG CO			33
	PICKENS CO			45
	RICHLAND CO	10.8 *	305 *	63
	SALUDA CO			
	SPARTANBURG CO			39
	SUMTER CO			37
	UNION CO			
	WILLIAMSBURG CO			
	YORK CO	13.8 *	300 *	53
S. Dakota	AURORA CO			
	BEADLE CO			
	BENNETT CO			
	BON HOMME CO			
	BROOKINGS CO			
	BROWN CO			
	BRULE CO			
	BUFFALO CO			
	BUTTE CO			
	CAMPBELL CO			
	CHARLES MIX CO			
	CLARK CO			
	CLAY CO			
	CODINGTON CO			
	CORSON CO			
	CUSTER CO			3
	DAVISON CO			
	DAY CO			
	DEUEL CO			
	DEWEY CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
S. Dakota	DOUGLAS CO			
	EDMUNDS CO			
	FALL RIVER CO			
	FAULK CO			
	GRANT CO			
	GREGORY CO			
	HAAKON CO			
	HAMLIN CO			
	HAND CO			
	HANSON CO			
	HARDING CO			13
	HUGHES CO			17
	HUTCHINSON CO			
	HYDE CO			
	JACKSON CO			
	JERAULD CO			
	JONES CO			
	KINGSBURY CO			
	LAKE CO			
	LAWRENCE CO			
	LINCOLN CO			
	LYMAN CO			
	MC COOK CO			
	MC PHERSON CO			
	MARSHALL CO			
	MEADE CO			
	MELLETTE CO			
	MINER CO			
	MINNEHAHA CO			27
	MOODY CO			
	PENNINGTON CO			39
	PERKINS CO			
	POTTER CO			
	ROBERTS CO			
	SANBORN CO			
	SHANNON CO			
	SPINK CO			
	STANLEY CO			
	SULLY CO			
	TODD CO			
	TRIPP CO			
	TURNER CO			
	UNION CO			
	WALWORTH CO			
	WASHABAUGH CO			
	YANKTON CO			
	ZIEBACH CO			
Tennessee	ANDERSON CO			31
	BEDFORD CO			
	BENTON CO			21
	BLEDSOE CO			
	BLOUNT CO			
	BRADLEY CO			
	CAMPBELL CO			
	CANNON CO			
	CARROLL CO			
	CARTER CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
Tennessee	CHEATHAM CO			
	CHESTER CO			
	CLAIBORNE CO			
	CLAY CO			
	COCKE CO			
	COFFEE CO			22
	CROCKETT CO			
	CUMBERLAND CO			
	DAVIDSON CO	17.0 *	333 *	77
	DECATUR CO			
	DE KALB CO			
	DICKSON CO			
	DYER CO			
	FAYETTE CO			
	FENTRESS CO			
	FRANKLIN CO			
	GIBSON CO			
	GILES CO			
	GRAINGER CO			
	GREENE CO			
	GRUNDY CO			
	HAMBLEN CO			28
	HAMILTON CO	7.5	212 *	55
	HANCOCK CO			
	HARDEMAN CO			
	HARDIN CO			
	HAWKINS CO			
	HAYWOOD CO			
	HENDERSON CO			
	HENRY CO			
	HICKMAN CO			
	HOUSTON CO			
	HUMPHREYS CO		167	17
	JACKSON CO			
	JEFFERSON CO			
	JOHNSON CO			
	KNOX CO	13.8 *	369 *	73
	LAKE CO			
	LAUDERDALE CO			
	LAWRENCE CO			
	LEWIS CO			
	LINCOLN CO			
	LOUDON CO			
	MC MINN CO			
	MC NAIRY CO			
	MACON CO			
	MADISON CO			
	MARION CO			21
	MARSHALL CO			
	MAURY CO		308 *	39
	MEIGS CO			
	MONROE CO			
	MONTGOMERY CO			
	MOORE CO			
	MORGAN CO			
	OBION CO			
	OVERTON CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (µg/m³)	Arithmetic mean NO_x conc.[3] (µg/m³)
Tennessee	PERRY CO			
	PICKETT CO			
	POLK CO			
	PUTNAM CO			
	RHEA CO			
	ROANE CO		*	36
	ROBERTSON CO			
	RUTHERFORD CO		*	
	SCOTT CO			
	SEQUATCHIE CO			
	SEVIER CO			
	SHELBY CO	14.0 *	265*	98
	SMITH CO			
	STEWART CO			
	SULLIVAN CO		372*	43
	SUMNER CO		318*	33
	TIPTON CO			
	TROUSDALE CO			
	UNICOI CO			
	UNION CO			
	VAN BUREN CO			
	WARREN CO			
	WASHINGTON CO			37
	WAYNE CO			
	WEAKLEY CO			
	WHITE CO			
	WILLIAMSON CO		*	
	WILSON CO		*	
Texas	ANDERSON CO			
	ANDREWS CO			
	ANGELINA CO			
	ARANSAS CO			
	ARCHER CO			
	ARMSTRONG CO			
	ATASCOSA CO			
	AUSTIN CO			
	BAILEY CO			
	BANDERA CO			
	BASTROP CO			
	BAYLOR CO			
	BEE CO			
	BELL CO			
	BEXAR CO	10.1	276*	46
	BLANCO CO			
	BORDEN CO			
	BOSQUE CO			
	BOWIE CO			8
	BRAZORIA CO	3.2	345*	36
	BRAZOS CO			25
	BREWSTER CO			
	BRISCOE CO			
	BROOKS CO			
	BROWN CO			31
	BURLESON CO			
	BURNET CO			
	CALDWELL CO			
	CALHOUN CO			24

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Texas	CALLAHAN CO			
	CAMERON CO			26
	CAMP CO			
	CARSON CO			
	CASS CO			
	CASTRO CO			
	CHAMBERS CO			
	CHEROKEE CO			
	CHILDRESS CO			
	CLAY CO			
	COCHRAN CO			
	COKE CO			
	COLEMAN CO			
	COLLIN CO			
	COLLINGSWORTH CO			
	COLORADO CO			
	COMAL CO			
	COMANCHE CO			
	CONCHO CO			
	COOKE CO			
	CORYELL CO			
	COTTLE CO			
	CRANE CO			
	CROCKETT CO			
	CROSBY CO			
	CULBERSON CO			
	DALLAM CO			
	DALLAS CO	7.4	378 *	71
	DAWSON CO			
	DEAF SMITH CO			
	DELTA CO			
	DENTON CO			
	DE WITT CO			
	DICKENS CO			
	DIMMIT CO			
	DONLEY CO			
	DUVAL CO			
	EASTLAND CO			
	ECTOR CO	3.2	276 *	33
	EDWARDS CO			
	ELLIS CO			17
	EL PASO CO	10.0*	274 *	59
	ERATH CO			
	FALLS CO			
	FANNIN CO			
	FAYETTE CO			
	FISHER CO			
	FLOYD CO			
	FOARD CO			
	FORT BEND CO			
	FRANKLIN CO			
	FREESTONE CO			
	FRIO CO			
	GAINES CO			
	GALVESTON CO	2.7	433 *	48
	GARZA CO			
	GILLESPIE CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Texas	GLASSCOCK CO			
	GOLIAD CO			
	GONZALES CO			
	GRAY CO			
	GRAYSON CO			
	GREGG CO		316*	35
	GRIMES CO			
	GUADALUPE CO			
	HALE CO			32
	HALL CO			
	HAMILTON CO			
	HANSFORD CO			
	HARDEMAN CO			
	HARDIN CO			
	HARRIS CO	8.4	512*	87
	HARRISON CO			
	HARTLEY CO			
	HASKELL CO			
	HAYS CO			37
	HEMPHILL CO			
	HENDERSON CO			
	HIDALGO CO			12
	HILL CO			
	HOCKLEY CO			
	HOOD CO			
	HOPKINS CO			
	HOUSTON CO			
	HOWARD CO			24
	HUDSPETH CO			
	HUNT CO			
	HUTCHINSON CO			
	IRION CO			
	JACK CO			
	JACKSON CO			
	JASPER CO			
	JEFF DAVIS CO			
	JEFFERSON CO	1.6	378 *	66
	JIM HOGG CO			
	JIM WELLS CO			
	JOHNSON CO			
	JONES CO			
	KARNES CO			
	KAUFMAN CO			
	KENDALL CO			
	KENEDY CO			
	KENT CO			
	KERR CO			
	KIMBLE CO			
	KING CO			
	KINNEY CO			
	KLEBERG CO			
	KNOX CO			
	LAMAR CO			
	LAMB CO			
	LAMPASAS CO			
	LA SALLE CO			
	LAVACA CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Texas	LEE CO			
	LEON CO			
	LIBERTY CO			
	LIMESTONE CO			
	LIPSCOMB CO			
	LIVE OAK CO			
	LLANO CO			
	LOVING CO			
	LUBBOCK CO			24
	LYNN CO			
	MC CULLOCH CO			
	MC LENNAN CO			28
	MC MULLEN CO			12
	MADISON CO			
	MARION CO			
	MARTIN CO			
	MASON CO			
	MATAGORDA CO			9
	MAVERICK CO			
	MEDINA CO			
	MENARD CO			
	MIDLAND CO			22
	MILAM CO			
	MILLS CO			
	MITCHELL CO			
	MONTAGUE CO			
	MONTGOMERY CO			
	MOORE CO			
	MORRIS CO			
	MOTLEY CO			
	NACOGDOCHES CO			
	NAVARRO CO			
	NEWTON CO			
	NOLAN CO			
	NUECES CO	4.1	282 *	32
	OCHILTREE CO			
	OLDHAM CO			
	ORANGE CO	3.2	314 *	26
	PALO PINTO CO			
	PANOLA CO			
	PARKER CO			
	PARMER CO			
	PECOS CO			
	POLK CO			
	POTTER CO			20
	PRESIDIO CO			
	RAINS CO			
	RANDALL CO			
	REAGAN CO			
	REAL CO			
	RED RIVER CO			
	REEVES CO			
	REFUGIO CO			
	ROBERTS CO			
	ROBERTSON CO			
	ROCKWALL CO			
	RUNNELS CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Texas	RUSK CO			
	SABINE CO			
	SAN AUGUSTINE CO			
	SAN JACINTO CO			
	SAN PATRICIO CO			17
	SAN SABA CO			
	SCHLEICHER CO			
	SCURRY CO			16
	SHACKELFORD CO			
	SHELBY CO			
	SHERMAN CO			
	SMITH CO			37
	SOMERVELL CO			
	STARR CO			
	STEPHENS CO			
	STERLING CO			
	STONEWALL CO			
	SUTTON CO			
	SWISHER CO			
	TARRANT CO	6.8	329 *	69
	TAYLOR CO			28
	TERRELL CO			
	TERRY CO			
	THROCKMORTON CO			
	TITUS CO			26
	TOM GREEN CO			14
	TRAVIS CO		225 *	57
	TRINITY CO			
	TYLER CO			
	UPSHUR CO			
	UPTON CO			
	UVALDE CO			
	VAL VERDE CO			
	VAN ZANDT CO			
	VICTORIA CO		296 *	10
	WALKER CO			33
	WALLER CO			
	WARD CO			
	WASHINGTON CO			
	WEBB CO			
	WHARTON CO			
	WHEELER CO			
	WICHITA CO			37
	WILBARGER CO			
	WILLACY CO			
	WILLIAMSON CO			
	WILSON CO			
	WINKLER CO			
	WISE CO			
	WOOD CO			
	YOAKUM CO			
	YOUNG CO			
	ZAPATA CO			
	ZAVALA CO			
Utah	BEAVER CO			
	BOX ELDER CO			
	CACHE CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Utah	CARBON CO			13
	DAGGETT CO			
	DAVIS CO	11.5 *	263 *	44
	DUCHESNE CO			
	EMERY CO			9
	GARFIELD CO			
	GRAND CO			
	IRON CO			
	JUAB CO			
	KANE CO			6
	MILLARD CO			
	MORGAN CO			
	PIUTE CO			
	RICH CO			
	SALT LAKE CO	17.1 *	225 *	77
	SAN JUAN CO			
	SANPETE CO			
	SEVIER CO			
	SUMMIT CO			
	TOOELE CO			
	UINTAH CO			
	UTAH CO	15.8 *	153 *	47
	WASATCH CO			
	WASHINGTON CO			6
	WAYNE CO			
	WEBER CO	17.7 *	216 *	54
Vermont	ADDISON CO		*	
	BENNINGTON CO		*	
	CALEDONIA CO		*	
	CHITTENDEN CO	7.3 *	222 *	
	ESSEX CO			
	FRANKLIN CO		*	
	GRAND ISLE CO		*	
	LAMOILLE CO		*	
	ORANGE CO		*	
	ORLEANS CO		*	
	RUTLAND CO	5.0	*	
	WASHINGTON CO		*	
	WINDHAM CO		*	
	WINDSOR CO		251 *	
Virginia	ACCOMACK CO		*	
	ALBEMARLE CO			
	ALEXANDRIA			
	ALLEGHANY CO			
	AMELIA CO			
	AMHERST CO			
	APPOMATTOX CO			
	ARLINGTON CO	12.0 *	245 *	
	AUGUSTA CO			
	BATH CO			
	BEDFORD CO			
	BEDFORD			
	BLAND CO			
	BOTETOURT CO			
	BRISTOL			
	BRUNSWICK CO			
	BUCHANAN CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
Virginia	BUCKINGHAM CO			
	BUENA VISTA			
	CAMPBELL CO			
	CAROLINE CO			
	CARROLL CO			
	CHARLES CITY CO			
	CHARLOTTE CO			
	CHARLOTTESVILLE			
	CHESAPEAKE			
	CHESTERFIELD CO		*	
	CLARKE CO			
	CLIFTON FORGE			
	COLONIAL HEIGHTS			
	COVINGTON			
	CRAIG CO			
	CULPEPER CO			
	CUMBERLAND CO			
	DANVILLE			
	DICKENSON CO			
	DINWIDDIE CO			
	EMPORIA			
	ESSEX CO			
	FAIRFAX	10.9 *	265 *	57
	FAIRFAX CO			
	FAUQUIER CO			
	FALLS CHURCH			
	FLOYD CO			
	FLUVANNA CO			
	FRANKLIN			
	FRANKLIN CO			
	FREDERICK CO			
	FREDERICKSBURG			
	GALAX			
	GILES CO			
	GLOUCESTER CO			
	GOOCHLAND CO			
	GRAYSON CO			
	GREENE CO			
	GREENSVILLE CO			
	HALIFAX CO			
	HAMPTON		*	
	HANOVER CO			
	HARRISONBURG			
	HENRICO CO		382 *	
	HENRY CO			
	HIGHLAND CO			
	HOPEWELL			
	ISLE OF WIGHT CO			
	JAMES CITY CO			
	KING AND QUEEN CO			
	KING GEORGE CO			
	KING WILLIAM CO			
	LANCASTER CO			
	LEE CO			
	LEXINGTON			
	LOUDOUN CO		*	
	LOUISA CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Virginia	LUNENBERG CO			
	LYNCHBURG			
	MADISON CO			
	MARTINSVILLE			
	MATHEWS CO			
	MECKLENBURG CO			
	MIDDLESEX CO			
	MONTGOMERY CO			
	NANSEMOND CO			
	NELSON CO			
	NEW KENT CO			
	NEWPORT NEWS		*	
	NORFOLK		*	
	NORTHAMPTON CO			
	NORTHUMBERLAND CO			
	NORTON			
	NOTTOWAY CO			
	ORANGE CO			
	PAGE CO			
	PATRICK CO			
	PETERSBURG			
	PITTSYLVANIA CO			
	PORTSMOUTH			
	POWHATAN CO			
	PRINCE EDWARD CO			
	PRINCE GEORGE CO			
	PRINCE WILLIAM CO		*	
	PULASKI CO			
	RADFORD			
	RAPPAHANNOCK CO			
	RICHMOND	7.7	441	72
	RICHMOND CO	10.3	274	48
	ROANOKE			
	ROANOKE CO		*	
	ROCKBRIDGE CO			
	ROCKINGHAM CO			
	RUSSELL CO			
	SALEM			
	SCOTT CO			
	SHENANDOAH CO			
	SMYTH CO		235 *	
	SOUTH BOSTON			
	SOUTHAMPTON CO			
	SPOTSYLVANIA CO			
	STAFFORD CO		*	
	STAUNTON			
	SUFFOLK			
	SURRY CO			
	SUSSEX CO			
	TAZEWELL CO			
	VIRGINIA BEACH			
	WARREN CO			
	WASHINGTON CO			
	WAYNESBORO			
	WESTMORELAND CO			
	WILLIAMSBURG			
	WINCHESTER			

State	County	2nd max 8-hr CO conc.[1] (mg/m^3)	2nd max 1-hr O_3 conc.[2] ($\mu g/m^3$)	Arithmetic mean NO_x conc.[3] ($\mu g/m^3$)
Virginia	WISE CO			
	WYTHE CO			
	YORK CO			
Washington	ADAMS CO			
	ASOTIN CO			
	BENTON CO			
	CHELAN CO			
	CLALLAM CO			
	CLARK CO	8.5	216*	
	COLUMBIA CO			
	COWLITZ CO			
	DOUGLAS CO			
	FERRY CO			
	FRANKLIN CO			
	GARFIELD CO			
	GRANT CO			
	GRAYS HARBOR CO			
	ISLAND CO			
	JEFFERSON CO			
	KING CO	17.4 *	314*	75
	KITSAP CO			
	KITTITAS CO			
	KLICKITAT CO			
	LEWIS CO			
	LINCOLN CO			
	MASON CO			
	OKANOGAN CO			
	PACIFIC CO			
	PEND OREILLE CO			
	PIERCE CO	10.8 *	196*	49
	SAN JUAN CO			
	SKAGIT CO			
	SKAMANIA CO			
	SNOHOMISH CO		*	
	SPOKANE CO	19.6 *	137	44
	STEVENS CO			
	THURSTON CO			
	WAHKIAKUM CO			
	WALLA WALLA CO			
	WHATCOM CO			
	WHITMAN CO			
	YAKIMA CO	*		
West Vir.	BARBOUR CO			
	BERKELEY CO			
	BOONE CO			
	BRAXTON CO			
	BROOKE CO			
	CABELL CO			
	CALHOUN CO			
	CLAY CO			
	DODDRIDGE CO			
	FAYETTE CO			
	GILMER CO			
	GRANT CO			
	GREENBRIER CO			
	HAMPSHIRE CO			
	HANCOCK CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
W. Virgini	HARDY CO			
	HARRISON CO			
	JACKSON CO			
	JEFFERSON CO			
	KANAWHA CO	5.9	237 *	
	LEWIS CO			
	LINCOLN CO			
	LOGAN CO			
	MC DOWELL CO			
	MARION CO			
	MARSHALL CO			
	MASON CO			
	MERCER CO			
	MINERAL CO			
	MINGO CO			
	MONONGALIA CO			
	MONROE CO			
	MORGAN CO			
	NICHOLAS CO			
	OHIO CO			
	PENDLETON CO			
	PLEASANTS CO			
	POCAHONTAS CO			
	PRESTON CO			
	PUTNAM CO		*	
	RALEIGH CO			
	RANDOLPH CO			
	RITCHIE CO			
	ROANE CO			
	SUMMERS CO			
	TAYLOR CO			
	TUCKER CO			
	TYLER CO			
	UPSHUR CO			
	WAYNE CO			
	WEBSTER CO			
	WETZEL CO			
	WIRT CO			
	WOOD CO			
	WYOMING CO			
Wisconsin	ADAMS CO			
	ASHLAND CO			
	BARRON CO			
	BAYFIELD CO			
	BROWN CO		*	
	BUFFALO CO			
	BURNETT CO			
	CALUMET CO			
	CHIPPEWA CO			
	CLARK CO			
	COLUMBIA CO		257 *	14
	CRAWFORD CO			
	DANE CO	6.4	169 *	45
	DODGE CO			
	DOOR CO			14
	DOUGLAS CO		*	
	DUNN CO			

State	County	2nd max 8-hr CO conc.[1] (mg/m³)	2nd max 1-hr O_3 conc.[2] (µg/m³)	Arithmetic mean NO_x conc.[3] (µg/m³)
Wisconsin	EAU CLAIRE CO			
	FLORENCE CO			
	FOND DU LAC CO			
	FOREST CO			
	GRANT CO		*	
	GREEN CO			
	GREEN LAKE CO			
	IOWA CO			
	IRON CO			
	JACKSON CO			
	JEFFERSON CO			
	JUNEAU CO			
	KENOSHA CO		447 *	44
	KEWAUNEE CO			
	LA CROSSE CO		*	
	LAFAYETTE CO			
	LANGLADE CO			
	LINCOLN CO			10
	MANITOWOC CO			
	MARATHON CO		353	15
	MARINETTE CO			
	MARQUETTE CO			
	MENOMONIE CO			
	MILWAUKEE CO	16.1 *	382 *	79
	MONROE CO			
	OCONTO CO			
	ONEIDA CO			
	OUTAGAMIE CO			
	OZAUKEE CO		*	
	PEPIN CO			
	PIERCE CO			
	POLK CO			
	PORTAGE CO			
	PRICE CO			
	RACINE CO	7.6	337 *	
	RICHLAND CO			
	ROCK CO			
	RUSK CO			
	ST CROIX CO			
	SAUK CO			
	SAWYER CO			
	SHAWANO CO			
	SHEBOYGAN CO		463	20
	TAYLOR CO			
	TREMPEALEAU CO			
	VERNON CO			
	VILAS CO		*	
	WALWORTH CO			
	WASHBURN CO			
	WASHINGTON CO			
	WAUKESHA CO	10.4	284 *	
	WAUPACA CO			
	WAUSHARA CO			
	WINNEBAGO CO			24
	WOOD CO			
Wyoming	ALBANY CO			
	BIG HORN CO			

State	County	2nd max 8-hr CO conc.[1] mg/m³	2nd max 1-hr O_3 conc.[2] (μg/m³)	Arithmetic mean NO_x conc.[3] (μg/m³)
Wyoming	CAMPBELL CO			4
	CARBON CO			
	CONVERSE CO		157	6
	CROOK CO			
	FREMONT CO			
	GOSHEN CO			6
	HOT SPRINGS CO			
	JOHNSON CO			
	LARAMIE CO			26
	LINCOLN CO			3
	NATRONA CO			
	NIOBRARA CO			17
	PARK CO			3
	PLATTE CO			3
	SHERIDAN CO			
	SUBLETTE CO			
	SWEETWATER CO		118	26
	TETON CO			
	UINTA CO			
	WASHAKIE CO			
	WESTON CO			5

[1]NAAQS CO 8-h 10 mg/m³ not to be exceeded more than once per year.

[2]NAAQS O_3 235 μg/m³ expected value.

[3]NAAQS NO_x 100 μg/m³ arithmetic mean.

*Designated as nonattainment as of January 1980.

APPENDIX E

KEY ASSUMPTIONS USED IN THE MODIFIED ROLLBACK ANALYSIS

EMISSION AND AIR QUALITY VALUES

The base-year emission values for the Air Quality Control Regions (AQCR's) selected for analysis were obtained from the 1975 National Emissions Report (EPA-450/2-78-020, May 1978). The design air quality values from the SAROAD system represent the data in Air Quality Data - 1977 Annual Statistics (EPA-450/2-78-040, September 1978).

SOURCE CATEGORIES

The nonmethane hydrocarbon (NMHC) or VOC, CO, and NO_x emissions from mobile sources are divided into four categories: light-duty vehicles, light-duty trucks, heavy-duty gasoline and heavy-duty diesel. For NMHC the stationary source categories are petroleum refineries; storage, transportation, and marketing of petroleum products; industrial processes; organic solvent evaporation; combustion; and others. For CO, the stationary source categories are point and area. For NO_x, they are industrial processes, area, and fuel combustion.

SOURCE CONTRIBUTION FACTORS

The stationary source contribution factors (S_i) account for the relative effect of the emission height or the distance from the source to the receptor on ground-level air quality. An elevated source would be expected to contribute less to ground-level air quality than a ground-level source under most meteorological conditions. Therefore, ground-level sources generally have a contribution factor of 1.0, and elevated sources generally have less than 1.0. The stationary source contribution factors were assumed to be 1.0 for all source categories emitting NMHC and NO_x; for CO, they were assumed to be 0.0 for point sources and 0.2 for area sources.

EMISSION FACTOR RATIOS AND AVERAGE CONTROL LEVELS

The mobile source emission factor ratio (EFR) was obtained for each mobile source category from the Mobile 1 program. The ratio is the emission factor in the base year (1976) divided by the emission factor in each of the projection years, in this case, 1982, 1987, 1990, and 1999.

The stationary source EFR is the ratio of the emission factor of an average source within a source category in some future year to the emission factor of an average source in the same category in the base year. The EFR indicates the amount of control that is assumed for a given source category.

$$EFR = 1 - \frac{\text{percent control}}{100}.$$

The stationary source EFR's vary from source category to source category, depending on the pollutant and the strategy being evaluated.

CONTROL STRATEGIES

The first strategy (called FTP) evaluated for each pollutant assumed that there would be no further control of either new or existing stationary sources; that the only reduction in emissions from these pollutants would be from the Federal Motor Vehicle Control Program (FMVCP); and that the EFR for all stationary source categories would be 1.0; thus,

$$EFR = 1 - \frac{0}{100}.$$

The second strategy (FTP BACT) for each pollutant assumed in addition to the FMVCP that each new source would be required to apply BACT. However, no further control was assumed for existing sources since all evaluated areas were attainment for each pollutant and since no control of existing sources would be required if no problems arose regarding attainment and maintenance of the National Ambient Air Quality Standards (NAAQS's). Therefore, the stationary source EFR for all existing source categories was again assumed to be 1.0.

The stationary source EFR's for new sources were designed to reflect the average level of control represented by BACT. Because the EFR must represent the average level of control for a given source category, the EFR was used to relate the relative contribution of each of the major emission sources within a source category. The following are the average levels of control and the EFR's used for the source categories.

Pollutant	Source category	Average level of control, %	EFR
NMHC or VOC	Petroleum refining	85	0.15
	Petroleum storage	80	0.20
	Industrial process	50	0.50
	Solvent evaporation	80	0.20
	Combustion	0	1.00
	Other	0	1.00
CO	Point	50	0.50
	Area	0	1.00
NO_x	Industrial process	50	0.50
	Area	0	1.00
	Fuel combustion	80	0.20

The percentages of control for NMHC or VOC source categories were obtained from an assessment of the impact of the revised O_3 standard using the modified rollback technique. (Costs and Economic Impact Assessment for Alternative Levels of National Ambient Air Quality Standards for Ozone. EPA-450/5-79-002, February 1979). The percentages of control used for CO and NO_x were obtained from data used to establish the priorities for setting the New Source Performance Standards (NSPS's) under the Clean Air Act Amendments of 1977. (Priorities for New Source Performance Standards Under the Clean Air Act Amendments of 1977. EPA-450/3-78-019, April 1978.)

GROWTH RATES

The growth rate used in the analysis was the percentage of growth per year for each source category. Two sets of growth rates were used for VOC or O_3, and one set was used for CO and NO_x. For mobile sources the assumed growth rates were 1% for CO, 2% for NO_x, and 2 and 3% for VOC for each category.

For stationary sources, the growth rates (especially for NMHC or VOC) varied from source category to source category as well as from pollutant to pollutant, as shown:

Pollutant	Source category	Growth rate
NMHC or VOC	Petroleum refining	2.0, 3.0
	Petroleum storage	2.0, 3.0
	Industrial process	3.5, 5.0
	Solvent evaporation	2.0, 3.0
	Combustion	0.0, 1.0
	Other	0.0, 3.0
CO	Point	3.2
	Area	3.2
NO_x	Industrial process	3.0
	Area	3.0
	Fuel combustion	3.0

RETIREMENT RATES

Retirement rates are percentages per year of existing stationary sources that are eliminated from a stationary source category by retirement. Only existing sources have retirement rates. Since very little data were available on retirement rates (with the exception of data on NMHC or VOC sources), no retirement rates were used for CO and NO_x sources. Without retirement rates, the older, less well-controlled stationary sources would continue to operate throughout the study period; therefore, the impact of existing stationary sources would be maximized, and the emissions from these sources would represent worst-case situations.

Since retirement data for VOC were available from the above referenced work, on the assessment of the O_3 NAAQS, these data were used for the PSD analysis. The retirement rates used are:

NMHC or VOC source category	Percentage per year
Petroleum refining	4.0
Petroleum storage	4.0
Industrial process	2.5
Solvent evaporation	3.0
Combustion	2.0
Other	0

PROJECTION YEARS

The four projection years used in this analysis were 1982, 1987, 1990, and 1999. The first two years (1982 and 1987) were used to permit the results to be compared with the key dates for the attainment of the NAAQS for all three pollutants (CO, O_3, and NO_x) and for two pollutants (CO and O_3) if an extension of the attainment date is approved. The last two years (1990 and 1999) were used to obtain some indication of what the projected air quality might be if no new requirements are imposed for PSD for these pollutants by the end of the current decade and just prior to the turn of the century.

COMPUTER INPUTS

Tables D-1, D-2, and D-3 present the data used for each of the strategies tested. Tables D-4, D-5, and D-6 present the regional information used in the analysis.

TABLE D-1. STRATEGY INPUT FOR NONMETHANE HYDROCARBONS

4: 1 9 7 8	182920302426	NMHC S=02 P=04 R=18 G=02	
5:FTP	049067073103	1001 00100100100100100100100100100100	82
6:FTP	027040043077	1001 00100100100100100100100100100100	87
7:FTP	023031037069	1001 00100100100100100100100100100100	90
8:FTP	021023033066	1001 00100100100100100100100100100100	99
9:FTPBACT	049067073103	0151 00020100050100020100100100100100	82
10:FTPBACT	027040043077	0151 00020100050100020100100100100100	87
11:FTPBACT	023031037069	0151 00020100050100020100100100100100	90
12:FTPBACT	021023033066	0151 00020100050100020100100100100100	99

TABLE D-2. STRATEGY INPUT FOR CARBON MONOXIDE

16: 1 9 7 8	2421	CO8 PPM S=02 P=04 R=19 G=01	
17:FTP	59 85 95 88	1001 00100100	82
18:FTP	32 60 60 86	1001 00100100	87
19:FTP	026046048086	1001 00100100	90
20:FTP	023033041086	1001 00100100	99
21:FTPBACT	59 85 95 88	0501 00100100	82
22:FTPBACT	32 60 60 86	0501 00100100	87
23:FTPBACT	026046048086	0501 00100100	90
24:FTPBACT	023033041086	0501 00100100	99

TABLE D-3. STRATEGY INPUT FOR NITROGEN DIOXIDE

28: 1 9 7 8	202119	NOX S=02 P=04 R=09 G=01	
29:FTPBACT	063072092097	0501 00100100020100	82
30:FTPBACT	048052076065	0501 00100100020100	87
31:FTPBACT	046045066041	0501 00100100020100	90
32:FTPBACT	045042062029	0501 00100100020100	99
33:FTP	063072092097	1001 00100100100100	82
34:FTP	048052076065	1001 00100100100100	87
35:FTP	046045066041	1001 00100100100100	90
36:FTP	045042062029	1001 00100100100100	99

TABLE D-4. REGIONAL INPUT FOR NONMETHANE HYDROCARBONS/OZONE

```
 1:038SAN ISABEL        0.12 00.0  03    PPM                               1.01.01.01.01.01.0 761
 2:038   13.8 2.6   4.1  0.4               0.0  2.9  1.9  9.7  0.3  0.7                      2
 3:038L02.02.02.02.0          2.02.03.52.00.00.0                           4.04.20.53.02.00.0  3
 4:038HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.20.53.02.00.0  4
 5:048CEN FLORIDA       0.10 00.0  03    PPM                               1.01.01.01.01.01.0 761
 6:048   35.7  6.8  7.8  0.8               0.0  2.2  0.8 28.1  0.5  5.5                      2
 7:048L02.02.02.02.0          2.02.03.52.00.00.0                           4.04.20.53.02.00.0  3
 8:048HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.20.53.02.00.0  4
 9:055CHATT             0.11  0.0  03    PPM                               1.01.01.01.01.01.0 761
10:055   24.3  4.7  1.7  0.8               0.0  4.8  5.7 33.1  0.4  0.9                      2
11:055L02.02.02.02.0          2.02.03.52.00.00.0                           4.04.20.53.02.00.0  3
12:055HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.20.53.02.00.0  4
13:062E.WASH            0.08  00.0 03    PPM                               1.01.01.01.01.01.0 761
14:062   20.5  3.9  2.9  0.5               0.0  2.9 11.1 12.1  0.4  3.1                      2
15:062L02.02.02.02.0          2.02.03.52.00.00.0                           4.04.20.53.02.00.0  3
16:062HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.20.53.02.00.0  4
17:065BURLINGTON        0.12 00.0  03    PPM                               1.01.01.01.01.01.0 761
18:065   20.8  3.9  1.5  0.6               0.0  3.4 18.4 20.1  0.6  0.8                      2
19:065L02.02.02.02.0          2.02.03.52.00.00.0                           4.04.20.53.02.00.0  3
20:065HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.20.53.02.00.0  4
21:072PADUCAH           0.10  0.0  03    PPM                               1.01.01.01.01.01.0 761
22:072   12.2  2.3  1.6  0.3               0.0  2.3  8.3 10.3  0.9  1.2                      2
23:072L02.02.02.02.0          2.02.03.52.00.00.0                           4.04.20.53.02.00.0  3
24:072HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.20.53.02.00.0  4
25:077EVANSVILLE        0.12  0.0  03    PPM                               1.01.01.01.01.01.0 761
26:077   15.4  2.9  2.4  0.5               0.2  2.6 14.4 18.7  0.5  1.4                      2
27:077L02.02.02.02.0          2.02.03.52.00.00.0                           4.04.02.53.02.00.0  3
28:077HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.02.53.02.00.0  4
29:085OMAHA             0.10  0.0  03    PPM                               1.01.01.01.01.01.0 761
30:085   15.5  3.4  5.3  0.8               0.0  2.6 10.5 17.8  0.0  1.0                      2
31:085L02.02.02.02.0          2.02.03.02.00.00.0                           4.04.02.53.02.00.0  3
32:085HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.02.53.02.00.0  4
33:092S C IOWA          0.11  0.0  03    PPM                               1.01.01.01.01.01.0 761
34:092   23.6  4.5  4.6  1.1               0.0  4.1 27.3 20.5  0.2  5.3                      2
35:092L02.02.02.02.0          2.02.03.52.00.00.0                           4.04.02.53.02.00.0  3
36:092HI3.03.03.03.0          3.03.05.03.01.03.0                           4.04.02.53.02.00.0  4
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(continued)

TABLE D-4 (continued)

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37:094KC                   0.12  0.0  03    PPM                            1.01.01.01.01.01.0 761
38:094   37.3  7.1 10.2  1.6              6.1  7.6 16.4 52.3  1.0  4.3                       2
39:094L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
40:094HI3.03.03.03.0             3.03.05.03.01.03.0                                            4
41:113CUMBERLAND           0.12  0.0  03    PPM                            1.01.01.01.01.01.0 761
42:113    7.5  1.5  0.9  0.1              0.0  1.1  0.0  6.4  0.1  1.3                       2
43:113L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
44:113HI3.03.03.03.0             3.03.05.03.01.03.0                        4.04.02.53.02.00.0  4
45:125SC MICHIGAN          0.09  0.0  03    PPM                            1.01.01.01.01.01.0 761
46:125   45.3  8.6  7.0  0.8              2.6  7.8 26.6 62.6  0.2  1.5                       2
47:125L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
48:125HI3.03.03.03.0             3.03.05.03.01.03.0                        4.04.02.53.02.00.0  4
49:131MIN-ST PAUL          0.12  0.0  03    PPM                            1.01.01.01.01.01.0 761
50:131   53.5 10.2  9.6  1.8              2.3  8.9 70.2 78.0  0.3  2.6                       2
51:131L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
52:131HI3.03.03.03.0             3.03.05.03.01.03.0                        4.04.02.53.02.00.0  4
53:143MILES CITY           0.12  0.0  03    PPM                            1.01.01.01.01.01.0 761
54:143    3.8  0.8  0.3  0.1              0.0  0.7  0.0  1.3  0.0  0.8                       2
55:143L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
56:143HI3.03.03.03.0             3.03.05.03.01.03.0                        4.04.02.53.02.00.0  4
57:158CENTRAL NY           0.12  0.0  03    PPM                            1.01.01.01.01.01.0 761
58:158   31.5  6.0  3.8  0.3              0.0  5.0  4.3 45.7  0.5  1.7                       2
59:158L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
60:158HI3.03.03.03.0             3.03.05.03.01.03.0                        4.04.02.53.02.00.0  4
61:184CEN OKLA             0.12  0.0  03    PPM                            1.01.01.01.01.01.0 761
62:184   34.3  6.5 21.9  1.1              0.0  4.9  5.1 24.5  0.0  0.9                       2
63:184L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
64:184HI3.03.03.03.0             3.03.05.03.01.03.0                        4.04.02.53.02.00.0  4
65:241CASPER               0.08  0.0  03    PPM                            1.01.01.01.01.01.0 761
66:241    3.3  0.6  0.2  0.3              2.2  0.6  0.0  1.4  0.2  1.2                       2
67:241L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
68:241HI3.03.03.03.0             3.03.05.03.01.03.0                        4.04.02.53.02.00.0  4
69:243WYOMING              0.06  0.0  03    PPM                            1.01.01.01.01.01.0 761
70:243    9.4  1.8  0.4  0.5               1.4  1.7  4.4  2.3  0.3  1.2                      2
71:243L02.02.02.02.0             2.02.03.52.00.00.0                        4.04.02.53.02.00.0  3
72:243HI3.03.03.03.0             3.03.05.03.01.03.0                        4.04.02.53.02.00.0  4
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TABLE D-5. REGIONAL INPUT FOR CARBON MONOXIDE

1:038SAN ISABEL			8.1	1.C		CO8	PPM		0.00.2	761
2:038	113.121.5	37.9	2.6				35.4	40.0		2
3:038L01.01.01.01.0					3.23.2				0.00.0	3
4:048CENTRAL FLORIDA			1.4	1.0		CO8	PPM		0.00.2	761
5:048	293.855.8	72.7	5.2				5.1	32.5		2
6:048L01.01.01.01.0					3.23.2				0.00.0	3
7:055CHATTANOOGA			6.8	1.0		CO8	PPM		0.00.2	761
8:055	179.134.0	15.4	4.8				29.6	7.5		2
9:055L01.01.01.01.0					3.23.2				0.00.0	3
10:050S.E. FLOEIDA			9.1	1.0		CO8	PPM		0.00.2	761
11:050	717.1136.2169.411.3						10.4	43.5		2
12:050L01.01.01.01.0					3.23.2				0.00.0	3
13:062E. WASH.			17.6	1.0		CO8	PPM		0.00.2	761
14:062	153.629.2	25.5	2.9				52.9	34.0		2
15:062L01.01.01.01.0					3.23.2				0.00.0	3
16:065BURLINGTON			7.6	1.0		CO8	PPM		0.00.2	761
17:065	164.931.3	13.5	4.2				6.7	15.4		2
18:065L01.01.01.01.0					3.23.2				.0 .0	3
19:072PADUCAH			8.1	1.0		CO8	PPM		0.00.2	761
20:072	84.9 16.1	13.9	1.6				19.3	6.3		2
21:072L01.01.01.01.0					3.23.2				0.00.0	3
22:077EVANSVILLE			2.6	1.0		CO8	PPM		0.00.2	761
23:077	115.822.0	21.0	3.4				33.6	7.3		2
24:077L01.01.01.01.0					3.23.2				0.00.0	3
25:085OMAHA			14.5	1.0		CO8	PPM		0.00.2	761
26:085	126.724.1	49.2	5.6				11.3	5.2		2
27:085L01.01.01.01.0					3.23.2				0.00.0	3
28:092S.C. IOWA			11.5	1.0		CO8	PPM		0.00.2	761
29:092	167.835.7	42.3	7.3				5.6	26.1		2
30:092L01.01.01.01.0					3.23.2				0.00.0	3
31:094KANSAS CITY			3.0	1.0		CO8	PPM		0.00.2	761
32:094	317.560.3	97.7	11.6				60.3	20.8		2
33:094L01.01.01.01.0					3.23.2				0.00.0	3
34:113CUMBERLAND			9.0	1.0		CO8	PPM		0.00.2	761
35:113	54.2 10.3	7.7	0.6				1.9	6.8		2
36:113L01.01.01.01.0					3.23.2				0.00.0	3
37:125S.C. MICHIGAN			9.0	1.0		CO8	PPM		0.00.2	761
38:125	344.765.5	62.8	4.8				8.9	6.8		2
39:125L01.01.01.01.0					3.23.2				0.00.0	3

(continued)

TABLE D-5 (continued)

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40:131MINN-ST PAUL    14.0 1.0    C08  PPM                         0.00.2           761
41:131  455.686.5 92.1 13.0            125.512.9                                      2
42:131L01.01.01.01.0         3.23.2                                0.00.0             3
43:143MILES CITY      10.0 1.0    C08  PPM                         0.00.2           761
44:143   26.2  4.9  2.5  0.8            0.2  3.9                                      2
45:143L01.01.01.01.0         3.23.2                                0.00.0             3
46:158CENTRAL NY      8.4  1.0    C08  PPM                         0.00.2           761
47:158  245.5 46.6 35.0  0.3            5.0  8.4                                      2
48:158L01.01.01.01.0         3.23.2                                0.00.0             3
49:184CEN OKLA        11.5 1.0    C08  PPM                         0.00.2           761
50:184  290.0 55.1208.5  7.5            0.7  6.4                                      2
51:184L01.01.01.01.0         3.23.2                                0.00.0             3
52:241CASPER          10.0 1.0    C08  PPM                         0.00.2           761
53:241   25.9  4.9  1.3  1.7           42.8  2.8                                      2
54:241L01.01.01.01.0         3.23.2                                0.00.0             3
55:243WYOMING         10.0 1.0    C08  PPM                         0.00.2           761
56:243   70.8 13.5  3.6  2.8           62.4 10.1                                      2
57:243L01.01.01.01.0         3.23.2                                0.00.0             3
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TABLE D-6. REGIONAL INPUT FOR NITROGEN DIOXIDE

1:085OMAHA				58.0	0.0	NO2				1.01.01.0	76
2:085	11.3	2.1	3.1	5.6			0.0	4.8	19.9		
3:085	2.02.02.02.0				3.03.03.0						
4:131MINN-ST PAUL				69.0	0.0	NO2				1.01.01.0	76
5:131	36.9	7.0	5.4	11.6			6.3	16.0	64.4		
6:131	A2.02.02.02.0				3.03.03.0						
7:158CENTRAL NY				63.0	0.0	NO2				1.01.01.0	76
8:158	25.0	4.8	2.5	2.4			2.1	7.4	64.6		
9:158	A2.02.02.02.0				3.03.03.0						
10:241CASPER				6.0	0.0	NO2				1.01.01.0	76
11:241	2.6	0.5	0.1	1.9			1.4	2.7	29.8		
12:241	A2.02.02.02.0				3.03.03.0						
13:143MILES CITY				65.0	0.0	NO2				1.01.01.0	76
14:143	3.7	0.7	0.2	1.4			0.0	1.4	2.3		
15:143	A2.02.02.02.0				3.03.03.0						
16:094KC				27.0	0.0	NO2				1.01.01.0	76
17:094	25.9	4.9	5.8	10.3			2.6	9.2	56.5		
18:094	A2.02.02.02.0				3.03.03.0						
19:038SAN ISABEL				32.0	0.0	NO2				1.01.01.0	76
20:038	10.1	1.9	2.4	2.6			0.2	2.2	27.8		
21:038	A2.02.02.02.0				3.03.03.0						
22:048CENTRAL FL				39.0	0.0	NO2				1.01.01.0	76
23:048	26.4	5.0	4.7	5.2			0.0	1.3	65.4		
24:048	A2.02.02.02.0				3.03.03.0						
25:055CHATT				57.0	0.0	NO2				1.01.01.0	76
26:055	20.9	4.0	1.1	6.6			0.9	3.9	59.6		
27:055	A2.02.02.02.0				3.03.03.0						

APPENDIX F

RESULTS OF MODIFIED ROLLBACK ANALYSIS BY AQCR

L I N E A R   R O L L B A C K

STRATEGY: 1 FTP   GROWTH RATE SCENARIO: 1 LO

03 AIR QUALITY CONCENTRATION (PPM) AND VIOLATIONS
(STANDARD IS .12 PPM)

	BASE			PROJECTED							
				1982		1987		1990		1999	
REGION	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	.12	.000	.10	0	.09	0	.09	0	.11	0
048CEN FLORIDA	1976	.10	.000	.08	0	.07	0	.07	0	.08	0
055CHATT	1976	.11	.000	.10	0	.10	0	.10	0	.12	0
062E.WASH	1976	.08	.000	.07	0	.07	0	.07	0	.09	0
065BURLINGTON	1976	.12	.000	.11	0	.12	0	.12	0	.15	4
072PADUCAH	1976	.10	.000	.09	0	.09	0	.10	0	.12	0
077EVANSVILLE	1976	.12	.000	.12	0	.12	0	.12	0	.15	4
085OMAHA	1976	.10	.000	.09	0	.09	0	.09	0	.11	0
092S C IOWA	1976	.11	.000	.11	0	.11	0	.11	0	.14	2
094KC	1976	.12	.000	.11	0	.11	0	.12	0	.14	2
113CUMBERLAND	1976	.12	.000	.10	0	.09	0	.09	0	.11	0
125SC MICHIGAN	1976	.09	.000	.09	0	.09	0	.09	0	.11	0
131MIN-ST PAUL	1976	.12	.000	.12	0	.12	0	.13	1	.17	6
143MILES CITY	1976	.12	.000	.09	0	.08	0	.08	0	.09	0
158CENTRAL NY	1976	.12	.000	.11	0	.11	0	.11	0	.13	1
184CEN OKLA	1976	.12	.000	.10	0	.09	0	.09	0	.10	0
241CASPER	1976	.08	.000	.07	0	.07	0	.07	0	.08	0
243WYOMING	1976	.06	.000	.07	0	.07	0	.08	0	.10	0
AVERAGE PERCENT CHANGE					-8.		-11.		-7.		11.
NO. OF CITIES ABOVE STD					0		0		1		6
TOTAL NO. OF VIOLATIONS					0		0		1		19

ROLLBACK AIR QUALITY PROJECTIONS

LINEAR ROLLBACK

STRATEGY: 1 FTP GROWTH RATE SCENARIO: 2 HI

O3 AIR QUALITY CONCENTRATION (PPM) AND VIOLATIONS
(STANDARD IS .12 PPM)

	BASE			PROJECTED							
				1982		1987		1990		1999	
REGION	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	.12	.000	.11	0	.10	0	.11	0	.14	2
048CEN FLORIDA	1976	.10	.000	.09	0	.08	0	.09	0	.11	0
055CHATT	1976	.11	.000	.11	0	.11	0	.12	0	.16	4
062E.WASH	1976	.08	.000	.08	0	.08	0	.08	0	.12	0
065BURLINGTON	1976	.12	.000	.12	0	.13	1	.14	3	.20	13
072PADUCAH	1976	.10	.000	.10	0	.11	0	.11	0	.16	4
077EVANSVILLE	1976	.12	.000	.12	0	.13	1	.15	3	.20	13
085OMAHA	1976	.10	.000	.10	0	.10	0	.11	0	.15	4
092S C IOWA	1976	.11	.000	.11	0	.12	0	.14	2	.19	11
094KC	1976	.12	.000	.12	0	.13	1	.14	2	.18	9
113CUMBERLAND	1976	.12	.000	.11	0	.11	0	.11	0	.14	2
125SC MICHIGAN	1976	.09	.000	.09	0	.10	0	.10	0	.14	2
131MIN-ST PAUL	1976	.12	.000	.13	1	.14	2	.16	4	.22	17
143MILES CITY	1976	.12	.000	.10	0	.09	0	.10	0	.12	0
158CENTRAL NY	1976	.12	.000	.12	0	.12	0	.13	1	.17	6
184CEN OKLA	1976	.12	.000	.11	0	.10	0	.10	0	.13	1
241CASPER	1976	.08	.000	.08	0	.08	0	.08	0	.10	0
243WYOMING	1976	.06	.000	.07	0	.09	0	.10	0	.13	1
AVERAGE PERCENT CHANGE					-1.		2.		10.		47.
NO. OF CITIES ABOVE STD					1		4		6		14
TOTAL NO. OF VIOLATIONS					1		5		15		89

LINEAR ROLLBACK

STRATEGY: 2 FTPBACT GROWTH RATE SCENARIO: 1 LO

O3 AIR QUALITY CONCENTRATION (PPM) AND VIOLATIONS
(STANDARD IS .12 PPM)

REGION	BASE YEAR	BASE CONC	BASE BKGD	PROJECTED 1982 CONC	1982 NUMB	1987 CONC	1987 NUMB	1990 CONC	1990 NUMB	1999 CONC	1999 NUMB
038SAN ISABEL	1976	.12	.000	.09	0	.07	0	.07	0	.07	0
048CEN FLORIDA	1976	.10	.000	.07	0	.06	0	.06	0	.05	0
055CHATT	1976	.11	.000	.09	0	.07	0	.07	0	.07	0
062E.WASH	1976	.08	.000	.06	0	.06	0	.05	0	.06	0
065BURLINGTON	1976	.12	.000	.10	0	.09	0	.09	0	.10	0
072PADUCAH	1976	.10	.000	.08	0	.07	0	.07	0	.08	0
077EVANSVILLE	1976	.12	.000	.10	0	.09	0	.09	0	.09	0
085OMAHA	1976	.10	.000	.08	0	.07	0	.07	0	.07	0
092S C IOWA	1976	.11	.000	.09	0	.08	0	.08	0	.09	0
094KC	1976	.12	.000	.10	0	.08	0	.08	0	.08	0
113CUMBERLAND	1976	.12	.000	.09	0	.07	0	.07	0	.07	0
125SC MICHIGAN	1976	.09	.000	.07	0	.06	0	.06	0	.06	0
131MIN-ST PAUL	1976	.12	.000	.10	0	.09	0	.09	0	.10	0
143MILES CITY	1976	.12	.000	.09	0	.07	0	.06	0	.06	0
158CENTRAL NY	1976	.12	.000	.09	0	.08	0	.07	0	.07	0
184CEN OKLA	1976	.12	.000	.09	0	.07	0	.07	0	.07	0
241CASPER	1976	.08	.000	.06	0	.05	0	.05	0	.05	0
243WYOMING	1976	.06	.000	.06	0	.06	0	.06	0	.06	0
AVERAGE PERCENT CHANGE				-20.		-31.		-34.		-32.	
NO. OF CITIES ABOVE STD					0		0		0		0
TOTAL NO. OF VIOLATIONS					0		0		0		0

ROLLBACK AIR QUALITY PROJECTIONS

LINEAR ROLLBACK

STRATEGY: 2 FTPBACT GROWTH RATE SCENARIO: 2 HI

O3 AIR QUALITY CONCENTRATION (PPM) AND VIOLATIONS
(STANDARD IS .12 PPM)

	BASE			PROJECTED 1982		1987		1990		1999	
REGION	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	.12	.000	.10	0	.08	0	.08	0	.08	0
048CEN FLORIDA	1976	.10	.000	.08	0	.07	0	.06	0	.07	0
055CHATT	1976	.11	.000	.09	0	.08	0	.08	0	.08	0
062E.WASH	1976	.08	.000	.07	0	.06	0	.06	0	.07	0
065BURLINGTON	1976	.12	.000	.10	0	.10	0	.10	0	.12	0
072PADUCAH	1976	.10	.000	.09	0	.08	0	.08	0	.09	0
077EVANSVILLE	1976	.12	.000	.10	0	.10	0	.10	0	.11	0
085OMAHA	1976	.10	.000	.09	0	.08	0	.08	0	.09	0
092S C IOWA	1976	.11	.000	.10	0	.09	0	.10	0	.12	0
094KC	1976	.12	.000	.11	0	.10	0	.11	0	.12	0
113CUMBERLAND	1976	.12	.000	.09	0	.08	0	.08	0	.08	0
125SC MICHIGAN	1976	.09	.000	.08	0	.07	0	.07	0	.08	0
131MIN-ST PAUL	1976	.12	.000	.11	0	.10	0	.10	0	.12	0
143MILES CITY	1976	.12	.000	.09	0	.08	0	.07	0	.08	0
158CENTRAL NY	1976	.12	.000	.10	0	.08	0	.08	0	.09	0
184CEN OKLA	1976	.12	.000	.10	0	.08	0	.07	0	.08	0
241CASPER	1976	.08	.000	.07	0	.06	0	.06	0	.06	0
243WYOMING	1976	.06	.000	.06	0	.06	0	.07	0	.08	0
AVERAGE PERCENT CHANGE				-15.		-24.		-24.		-13.	
NO. OF CITIES ABOVE STD					0		0		0		0
TOTAL NO. OF VIOLATIONS					0		0		0		0

ROLLBACK AIR QUALITY PROJECTIONS

E K M A

HC TO NOX RATIO IS 9.5 : 1
OZONE BACKGROUND IS .00 PPM
OZONE STANDARD IS .12 PPM

STRATEGY: 1 FTP GROWTH RATE SCENARIO: 1 LO

	B A S E			P R O J E C T E D							
				1982		1987		1990		1999	
R E G I O N	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	.12	.00	.11	0	.11	0	.11	0	.11	0
048CEN FLORIDA	1976	.10	.00	.09	0	.09	0	.09	0	.09	0
055CHATT	1976	.11	.00	.10	0	.10	0	.11	0	.12	0
062E.WASH	1976	.08	.00	.08	0	.07	0	.08	0	.09	0
065BURLINGTON	1976	.12	.00	.12	0	.12	0	.12	0	.16	5
072PADUCAH	1976	.10	.00	.10	0	.10	0	.10	0	.12	0
077EVANSVILLE	1976	.12	.00	.12	0	.12	0	.12	0	.17	6
085OMAHA	1976	.10	.00	.10	0	.09	0	.10	0	.11	0
092S C IOWA	1976	.11	.00	.11	0	.11	0	.11	0	.16	4
094KC	1976	.12	.00	.12	0	.12	0	.12	0	.14	2
113CUMBERLAND	1976	.12	.00	.11	0	.11	0	.11	0	.11	0
125SC MICHIGAN	1976	.09	.00	.09	0	.09	0	.09	0	.11	0
131MIN-ST PAUL	1976	.12	.00	.12	0	.12	0	.13	1	.20	13
143MILES CITY	1976	.12	.00	.11	0	.10	0	.10	0	.11	0
158CENTRAL NY	1976	.12	.00	.11	0	.11	0	.11	0	.13	1
184CEN OKLA	1976	.12	.00	.11	0	.11	0	.11	0	.11	0
241CASPER	1976	.08	.00	.08	0	.07	0	.07	0	.08	0
243WYOMING	1976	.06	.00	.07	0	.08	0	.09	0	.17	6
AVERAGE PERCENT CHANGE					-4.		-4.		-1.		23.
NO. OF CITIES ABOVE STD					0		0		1		7
TOTAL NO. OF VIOLATIONS					0		0		1		37

ROLLBACK AIR QUALITY PROJECTIONS

E K M A

HC TO NOX RATIO IS 9.5 : 1
OZONE BACKGROUND IS .00 PPM
OZONE STANDARD IS .12 PPM

STRATEGY: 1 FTP GROWTH RATE SCENARIO: 2 HI

	BASE			PROJECTED							
				1982		1987		1990		1999	
REGION	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	.12	.00	.11	0	.11	0	.11	0	.14	2
048CEN FLORIDA	1976	.10	.00	.09	0	.09	0	.09	0	.11	0
055CHATT	1976	.11	.00	.11	0	.11	0	.12	0	.20	13
062E.WASH	1976	.08	.00	.08	0	.08	0	.08	0	.15	4
065BURLINGTON	1976	.12	.00	.12	0	.13	1	.15	3	.38	64
072PADUCAH	1976	.10	.00	.10	0	.10	0	.11	0	.24	24
077EVANSVILLE	1976	.12	.00	.12	0	.13	1	.15	4	.39	69
085OMAHA	1976	.10	.00	.10	0	.10	0	.11	0	.23	20
092S C IOWA	1976	.11	.00	.11	0	.12	0	.15	3	.41	72
094KC	1976	.12	.00	.12	0	.13	1	.14	2	.27	30
113CUMBERLAND	1976	.12	.00	.11	0	.11	0	.11	0	.14	2
125SC MICHIGAN	1976	.09	.00	.09	0	.10	0	.11	0	.23	20
131MIN-ST PAUL	1976	.12	.00	.13	1	.14	3	.17	7	.52	103
143MILES CITY	1976	.12	.00	.11	0	.11	0	.11	0	.12	0
158CENTRAL NY	1976	.12	.00	.12	0	.12	0	.13	1	.20	12
184CEN OKLA	1976	.12	.00	.11	0	.11	0	.11	0	.13	1
241CASPER	1976	.08	.00	.08	0	.08	0	.08	0	.12	0
243WYOMING	1976	.06	.00	.08	0	.12	0	.17	6	.60	121

	1982	1987	1990	1999
AVERAGE PERCENT CHANGE	0.	7.	19.	157.
NO. OF CITIES ABOVE STD	1	4	7	15
TOTAL NO. OF VIOLATIONS	1	6	26	557

ROLLBACK AIR QUALITY PROJECTIONS

E K M A

HC TO NOX RATIO IS 9.5 : 1
OZONE BACKGROUND IS .00 PPM
OZONE STANDARD IS .12 PPM

STRATEGY: 2 FTPBACT GROWTH RATE SCENARIO: 1 LO

	BASE			PROJECTED 1982		1987		1990		1999	
REGION	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	.12	.00	.11	0	.10	0	.10	0	.10	0
048CEN FLORIDA	1976	.10	.00	.09	0	.08	0	.08	0	.08	0
055CHATT	1976	.11	.00	.10	0	.09	0	.09	0	.09	0
062E.WASH	1976	.08	.00	.07	0	.07	0	.07	0	.07	0
065BURLINGTON	1976	.12	.00	.11	0	.11	0	.11	0	.11	0
072PADUCAH	1976	.10	.00	.09	0	.09	0	.09	0	.09	0
077EVANSVILLE	1976	.12	.00	.11	0	.11	0	.11	0	.11	0
085OMAHA	1976	.10	.00	.09	0	.09	0	.09	0	.09	0
092S C IOWA	1976	.11	.00	.10	0	.10	0	.10	0	.10	0
094KC	1976	.12	.00	.11	0	.10	0	.10	0	.10	0
113CUMBERLAND	1976	.12	.00	.11	0	.10	0	.10	0	.09	0
125SC MICHIGAN	1976	.09	.00	.08	0	.08	0	.08	0	.08	0
131MIN-ST PAUL	1976	.12	.00	.11	0	.11	0	.11	0	.11	0
143MILES CITY	1976	.12	.00	.11	0	.09	0	.09	0	.09	0
158CENTRAL NY	1976	.12	.00	.11	0	.10	0	.10	0	.10	0
184CEN OKLA	1976	.12	.00	.11	0	.10	0	.09	0	.09	0
241CASPER	1976	.08	.00	.07	0	.07	0	.07	0	.06	0
243WYOMING	1976	.06	.00	.06	0	.06	0	.06	0	.06	0

	1982	1987	1990	1999
AVERAGE PERCENT CHANGE	-9.	-14.	-15.	-15.
NO. OF CITIES ABOVE STD	0	0	0	0
TOTAL NO. OF VIOLATIONS	0	0	0	0

ROLLBACK AIR QUALITY PROJECTIONS

E K M A

HC TO NOX RATIO IS 9.5 : 1
OZONE BACKGROUND IS .00 PPM
OZONE STANDARD IS .12 PPM

STRATEGY: 2 FTPBACT GROWTH RATE SCENARIO: 2 HI

	BASE			PROJECTED 1982		1987		1990		1999	
REGION	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	.12	.00	.11	0	.10	0	.10	0	.10	0
048CEN FLORIDA	1976	.10	.00	.09	0	.09	0	.08	0	.09	0
055CHATT	1976	.11	.00	.10	0	.10	0	.10	0	.10	0
062E.WASH	1976	.08	.00	.07	0	.07	0	.07	0	.08	0
065BURLINGTON	1976	.12	.00	.11	0	.11	0	.11	0	.12	0
072PADUCAH	1976	.10	.00	.09	0	.09	0	.09	0	.10	0
077EVANSVILLE	1976	.12	.00	.11	0	.11	0	.11	0	.12	0
085OMAHA	1976	.10	.00	.09	0	.09	0	.09	0	.09	0
092S C IOWA	1976	.11	.00	.10	0	.10	0	.10	0	.11	0
094KC	1976	.12	.00	.11	0	.11	0	.11	0	.12	0
113CUMBERLAND	1976	.12	.00	.11	0	.10	0	.10	0	.10	0
125SC MICHIGAN	1976	.09	.00	.08	0	.08	0	.08	0	.08	0
131MIN-ST PAUL	1976	.12	.00	.11	0	.11	0	.11	0	.12	0
143MILES CITY	1976	.12	.00	.11	0	.10	0	.10	0	.10	0
158CENTRAL NY	1976	.12	.00	.11	0	.10	0	.10	0	.11	0
184CEN OKLA	1976	.12	.00	.11	0	.10	0	.10	0	.10	0
241CASPER	1976	.08	.00	.07	0	.07	0	.07	0	.07	0
243WYOMING	1976	.06	.00	.06	0	.06	0	.07	0	.10	0

	1982	1987	1990	1999
AVERAGE PERCENT CHANGE	-7.	-10.	-10.	-3.
NO. OF CITIES ABOVE STD	0	0	0	0
TOTAL NO. OF VIOLATIONS	0	0	0	0

ROLLBACK AIR QUALITY PROJECTIONS

L I N E A R   R O L L B A C K

STRATEGY: 1 FTP   GROWTH RATE SCENARIO: 1 LO

CO8 AIR QUALITY CONCENTRATION (PPM) AND VIOLATIONS
(STANDARD IS 9. PPM)

	BASE			PROJECTED 1982		1987		1990		1999	
REGION	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	8.	1.	6.	0	5.	0	4.	0	4.	0
048CENTRAL FLORIDA	1976	1.	1.	1.	0	1.	0	1.	0	1.	0
055CHATTANOOGA	1976	7.	1.	5.	0	4.	0	3.	0	3.	0
050S.E. FLOEIDA	1976	9.	1.	7.	0	5.	0	4.	0	4.	0
062E. WASH.	1976	18.	1.	13.	10	9.	0	8.	0	6.	0
065BURLINGTON	1976	8.	1.	6.	0	4.	0	4.	0	3.	0
072PADUCAH	1976	8.	1.	6.	0	4.	0	4.	0	4.	0
077EVANSVILLE	1976	3.	1.	2.	0	2.	0	2.	0	2.	0
085OMAHA	1976	14.	1.	11.	4	8.	0	7.	0	6.	0
092S.C. IOWA	1976	11.	1.	9.	0	6.	0	5.	0	5.	0
094KANSAS CITY	1976	3.	1.	2.	0	2.	0	2.	0	2.	0
113CUMBERLAND	1976	9.	1.	7.	0	5.	0	4.	0	4.	0
125S.C. MICHIGAN	1976	9.	1.	7.	0	5.	0	4.	0	4.	0
131MINN-ST PAUL	1976	14.	1.	10.	2	7.	0	6.	0	6.	0
143MILES CITY	1976	10.	1.	7.	0	5.	0	5.	0	4.	0
158CENTRAL NY	1976	8.	1.	6.	0	4.	0	4.	0	4.	0
184CEN OKLA	1976	11.	1.	9.	0	6.	0	5.	0	5.	0
241CASPER	1976	10.	1.	7.	0	5.	0	5.	0	4.	0
243WYOMING	1976	10.	1.	7.	0	5.	0	5.	0	4.	0

	1982	1987	1990	1999
AVERAGE PERCENT CHANGE	-23.	-45.	-51.	-52.
NO. OF CITIES ABOVE STD	3	0	0	0
TOTAL NO. OF VIOLATIONS	16	0	0	0

LINEAR ROLLBACK

STRATEGY: 2 FTPBACT GROWTH RATE SCENARIO: 1 LO

CO8 AIR QUALITY CONCENTRATION (PPM) AND VIOLATIONS
(STANDARD IS 9. PPM)

	BASE			PROJECTED 1982		1987		1990		1999	
REGION	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
038SAN ISABEL	1976	8.	1.	6.	0	5.	0	4.	0	4.	0
048CENTRAL FLORIDA	1976	1.	1.	1.	0	1.	0	1.	0	1.	0
055CHATTANOOGA	1976	7.	1.	5.	0	4.	0	3.	0	3.	0
050S.E. FLOEIDA	1976	9.	1.	7.	0	5.	0	4.	0	4.	0
062E. WASH.	1976	18.	1.	13.	10	9.	0	8.	0	8.	0
065BURLINGTON	1976	8.	1.	6.	0	4.	0	4.	0	3.	0
072PADUCAH	1976	8.	1.	6.	0	4.	0	4.	0	4.	0
077EVANSVILLE	1976	3.	1.	2.	0	2.	0	2.	0	2.	0
085OMAHA	1976	14.	1.	11.	4	8.	0	7.	0	6.	0
092S.C. IOWA	1976	11.	1.	9.	0	6.	0	5.	0	5.	0
094KANSAS CITY	1976	3.	1.	2.	0	2.	0	2.	0	2.	0
113CUMBERLAND	1976	9.	1.	7.	0	5.	0	4.	0	4.	0
125S.C. MICHIGAN	1976	9.	1.	7.	0	5.	0	4.	0	4.	0
131MINN-ST PAUL	1976	14.	1.	10.	2	7.	0	6.	0	6.	0
143MILES CITY	1976	10.	1.	7.	0	5.	0	5.	0	4.	0
158CENTRAL NY	1976	8.	1.	6.	0	4.	0	4.	0	4.	0
184CEN OKLA	1976	11.	1.	9.	0	6.	0	5.	0	5.	0
241CASPER	1976	10.	1.	7.	0	5.	0	5.	0	4.	0
243WYOMING	1976	10.	1.	7.	0	5.	0	5.	0	4.	0

	1982	1987	1990	1999
AVERAGE PERCENT CHANGE	-23.	-45.	-51.	-52.
NO. OF CITIES ABOVE STD	3	0	0	0
TOTAL NO. OF VIOLATIONS	16	0	0	0

L I N E A R   R O L L B A C K

STRATEGY: 1 FTP   GROWTH RATE SCENARIO: 1 A

NO2 AIR QUALITY CONCENTRATION (PPM) AND VIOLATIONS
(STANDARD IS .05 PPM)

P R O J E C T E D

	B A S E			1982		1987		1990		1999	
R E G I O N	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
085OMAHA	1976	.03	.000	.03	0	.03	0	.03	0	.04	0
131MINN-ST PAUL	1976	.04	.000	.04	0	.04	0	.04	0	.05	0
158CENTRAL NY	1976	.03	.000	.04	0	.04	0	.04	0	.05	0
241CASPER	1976	.00	.000	.00	0	.00	0	.00	0	.01	0
143MILES CITY	1976	.03	.000	.03	0	.03	0	.03	0	.04	0
094KC	1976	.01	.000	.02	0	.02	0	.02	0	.02	0
038SAN ISABEL	1976	.02	.000	.02	0	.02	0	.02	0	.03	0
048CENTRAL FL	1976	.02	.000	.02	0	.02	0	.02	0	.03	0
055CHATT	1976	.03	.000	.03	0	.03	0	.04	0	.05	0

	1982	1987	1990	1999
AVERAGE PERCENT CHANGE	5.	11.	17.	48.
NO. OF CITIES ABOVE STD	0	0	0	0
TOTAL NO. OF VIOLATIONS	0	0	0	0

ROLLBACK AIR QUALITY PROJECTIONS

L I N E A R   R O L L B A C K

STRATEGY: 2 FTPBACT   GROWTH RATE SCENARIO: 1 A

NO2 AIR QUALITY CONCENTRATION (PPM) AND VIOLATIONS
(STANDARD IS .05 PPM)

	B A S E			P R O J E C T E D							
				1982		1987		1990		1999	
R E G I O N	YEAR	CONC	BKGD	CONC	NUMB	CONC	NUMB	CONC	NUMB	CONC	NUMB
0850MAHA	1976	.03	.000	.03	0	.03	0	.03	0	.03	0
131MINN-ST PAUL	1976	.04	.000	.04	0	.03	0	.03	0	.04	0
158CENTRAL NY	1976	.03	.000	.03	0	.03	0	.03	0	.04	0
241CASPER	1976	.00	.000	.00	0	.00	0	.00	0	.00	0
143MILES CITY	1976	.03	.000	.03	0	.03	0	.03	0	.03	0
094KC	1976	.01	.000	.01	0	.01	0	.01	0	.02	0
038SAN ISABEL	1976	.02	.000	.02	0	.02	0	.02	0	.02	0
048CENTRAL FL	1976	.02	.000	.02	0	.02	0	.02	0	.02	0
055CHATT	1976	.03	.000	.03	0	.03	0	.03	0	.03	0

	1982	1987	1990	1999
AVERAGE PERCENT CHANGE	-3.	-5.	-5.	6.
NO. OF CITIES ABOVE STD	0	0	0	0
TOTAL NO. OF VIOLATIONS	0	0	0	0

APPENDIX G

COUNTY ECONOMIC PROFILES

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
AL	ALABAMA	3,444,354	4.9	58.4	1,249,195	6	28	7	9	17
	AUTAUGA	24,460	16.9	53.6	8,340	8	25	5	9	16
	BALDWIN	59,382	14.2	26.6	21,394	7	26	5	9	15
	BARBOUR	22,543	10.9	40.4	8,183	6	28	6	13	15
	BIBB	13,812	4.5	0.0	4,654	5	43	5	6	13
	BLOUNT	26,853	17.7	16.5	9,558	9	35	4	5	12
	BULLOCK	11,824	-5.0	36.3	3,685	7	23	5	11	16
	BUTLER	22,007	-1.6	36.5	8,045	6	37	6	10	12
	CALHOUN	103,092	3.2	64.5	36,727	5	31	8	7	23
	CHAMBERS	36,356	0.4	44.1	15,240	5	59	3	8	7
	CHEROKEE	15,606	14.0	0.0	5,935	8	40	5	4	12
	CHILTON	25,180	10.9	23.3	8,583	14	29	4	6	13
	CHOCTAW	16,589	3.2	0.0	4,895	6	49	4	7	10
	CLARKE	26,724	2.7	37.1	8,624	7	41	5	8	14
	CLAY	12,636	4.2	0.0	4,677	4	44	5	7	15
	CLEBURNE	10,996	6.2	27.3	4,199	5	54	3	4	16
	COFFEE	34,872	-0.1	58.0	12,705	6	23	8	9	20
	COLBERT	49,632	0.9	58.0	17,515	6	32	6	8	21
	CONECUH	15,645	0.8	25.1	5,287	6	39	7	8	17
	COOSA	10,662	4.1	0.0	3,969	5	47	5	7	14
	COVINGTON	34,079	2.6	56.9	13,440	6	35	5	6	12
	CRENSHAW	13,188	5.2	0.0	4,659	5	32	5	8	12
	CULLMAN	52,445	10.3	24.0	19,409	8	32	7	6	11
	DALE	52,995	-15.7	62.2	11,205	6	17	6	8	24
	DALLAS	55,296	3.7	49.5	17,464	5	22	7	12	17
	DE KALB	41,981	16.1	20.1	14,533	9	38	4	5	11
	ELMORE	33,661	16.1	21.3	12,081	9	24	5	9	16
	ESCAMBIA	34,912	7.1	43.1	11,951	6	32	6	9	15
	ETOWAH	94,144	1.3	72.0	34,774	5	35	6	8	11
	FAYETTE	16,252	3.3	29.1	6,162	7	46	4	6	12
	FRANKLIN	23,933	9.8	32.6	8,650	6	41	5	6	14
	GENEVA	21,924	7.0	33.0	8,710	6	28	6	8	15
	GREENE	10,650	-3.4	26.3	2,877	6	19	9	11	22
	HALE	15,888	-3.1	21.2	4,402	8	28	8	11	22
	HENRY	13,254	8.0	42.9	4,885	10	28	5	9	16
	HOUSTON	56,574	22.5	64.9	22,897	8	21	5	9	13
	JACKSON	39,202	18.2	31.3	14,379	9	42	5	5	16
	JEFFERSON	644,991	0.2	88.4	248,269	5	24	6	9	13
	LAMAR	14,335	9.9	0.0	5,598	10	46	3	3	13
	LAUDERDALE	68,111	7.9	50.0	25,073	7	28	7	8	20
	LAWRENCE	27,281	1.4	0.0	9,494	13	36	5	6	17
	LEE	61,268	12.3	68.2	23,762	4	29	20	9	27
	LIMESTONE	41,699	4.3	34.4	15,345	9	26	7	8	23
	LOWNDES	12,897	0.1	0.0	3,464	16	16	8	11	21
	MACON	24,841	4.0	44.4	7,486	7	12	23	10	32
	MADISON	186,540	-1.6	78.6	70,481	4	23	8	9	31
	MARENGO	23,819	-1.6	43.5	7,703	5	36	6	11	15
	MARION	23,788	14.6	26.5	8,965	5	50	4	5	12
	MARSHALL	54,211	9.1	48.5	20,099	7	32	4	7	18

STATE	COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
AL	MOBILE	317,308	5.2	82.0	112,410	7	22	7	9	15
	MONROE	20,883	1.4	23.2	7,188	8	39	6	7	16
	MONTGOMERY	167,790	8.4	82.9	63,630	7	11	8	12	24
	MORGAN	77,306	7.5	58.7	28,754	8	32	5	7	16
	PERRY	15,388	-13.2	27.9	4,804	8	23	12	9	16
	PICKENS	20,326	3.0	14.0	7,244	5	43	6	8	13
	PIKE	25,038	6.1	56.0	9,664	10	18	14	12	25
	RANDOLPH	18,331	0.7	28.6	7,027	8	51	4	4	13
	RUSSELL	45,394	1.3	55.7	16,761	8	34	3	12	13
	ST CLAIR	27,956	19.1	20.5	9,541	9	35	5	7	15
	SHELBY	38,037	27.8	16.8	13,861	9	30	7	7	13
	SUMTER	16,974	-6.7	17.9	4,882	7	21	13	10	22
	TALLADEGA	65,280	1.2	53.3	24,000	6	42	6	8	14
	TALLAPOOSA	33,840	7.2	49.2	13,890	5	53	4	7	9
	TUSCALOOSA	116,029	6.8	74.0	40,962	6	22	15	9	28
	WALKER	56,246	15.5	24.0	18,534	7	26	6	6	12
	WASHINGTON	16,241	4.9	0.0	4,987	7	50	6	6	14
	WILCOX	16,303	-12.3	0.0	4,446	7	35	7	10	15
	WINSTON	16,654	16.2	24.8	6,176	8	48	4	4	12
AK	ALASKA	302,583	16.2	48.8	98,296	9	7	10	7	36
	ALEUTIAN ISLANDS	8,221	-7.5	0.0	1,088	10	13	8	9	47
	ANCHORAGE	126,385	22.4	68.5	44,297	10	3	8	8	34
	ANGOON	503	59.0	0.0	59	0	10	46	0	80
	BARROW	2,451	22.5	0.0	605	3	0	15	3	59
	BETHEL	7,767	14.7	0.0	1,380	1	4	18	6	62
	BRISTOL BAY BOROUGH	1,147	8.0	0.0	224	0	0	30	3	67
	BRISTOL BAY DIVISION	3,485	9.0	0.0	658	1	6	23	4	49
	CORDOVA-MC CARTHY	1,857	14.4	0.0	802	14	7	6	7	24
	FAIRBANKS	45,864	7.7	73.0	13,987	11	2	15	7	37
	HAINES	1,504	36.3	0.0	527	9	29	5	6	21
	JUNEAU	13,556	18.5	45.2	6,410	10	2	9	6	57
	KENAI-COOK INLET	14,250	8.5	24.8	4,933	9	12	9	6	20
	KETCHIKAN	10,041	3.9	73.6	3,988	6	19	9	5	27
	KOBUK	4,048	10.4	0.0	731	4	2	23	7	56
	KODIAK	9,409	-5.0	73.5	2,935	2	23	13	4	33
	KUSKOKWIM	2,306	16.0	0.0	341	3	2	6	10	47
	MATANUSKA-SUSITNA	6,509	62.6	0.0	2,091	11	2	8	6	33
	NOME	5,749	8.2	0.0	1,466	3	1	20	6	49
	OUTER KETCHIKAN	1,676	1.1	0.0	491	10	21	19	0	61
	PRINCE OF WALES	2,106	20.2	0.0	827	3	74	8	0	10
	SEWARD	2,336	29.8	0.0	700	6	11	13	8	41
	SITKA	6,109	4.6	57.4	2,734	3	26	11	6	32
	SKAGWAY-YAKUTAT	2,157	20.5	0.0	727	1	6	11	7	25
	SOUTHEAST FAIRBANKS	4,179	7.3	0.0	942	14	0	10	15	49
	UPPER YUKON	1,282	-3.3	0.0	560	7	4	14	1	21
	VALDEZ-CHITINA-WHITTI	3,098	62.8	0.0	1,306	19	1	8	7	45
	WADE HAMPTON	3,917	13.5	0.0	450	0	5	31	3	62
	WRANGELL-PETERSBURG	4,913	13.6	0.0	1,867	3	34	11	4	17
	YUKON-KOYUKUK	4,758	6.9	0.0	1,170	5	1	16	3	53

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
AK	PRINCE OF WHALES ELD	0	0.0	0.0	0	0	0	0	0	0
	KETCHIKAN ELD	0	0.0	0.0	0	0	0	0	0	0
	WRANGELL-PETERSBURG E	0	0.0	0.0	0	0	0	0	0	0
	SITKA ELD	0	0.0	0.0	0	0	0	0	0	0
	JUNEAU ELD	0	0.0	0.0	0	0	0	0	0	0
	LYNN CANAL-ICY STRAIT	0	0.0	0.0	0	0	0	0	0	0
	CORDOVA-MCCARTHY ELD	0	0.0	0.0	0	0	0	0	0	0
	VALDEZ-CHITINA-WHITTI	0	0.0	0.0	0	0	0	0	0	0
	PALMER-WASILLA-TAKEET	0	0.0	0.0	0	0	0	0	0	0
	ANCHORAGE ELD	0	0.0	0.0	0	0	0	0	0	0
	SEWARD ELD	0	0.0	0.0	0	0	0	0	0	0
	KENAI-COOK INLET ELD	0	0.0	0.0	0	0	0	0	0	0
	KODIAK ELD	0	0.0	0.0	0	0	0	0	0	0
	ALEUTIAN ISLANDS ELD	0	0.0	0.0	0	0	0	0	0	0
	BRISTOL BAY ELD	0	0.0	0.0	0	0	0	0	0	0
	BETHEL ELD	0	0.0	0.0	0	0	0	0	0	0
	KUSKOKWIM ELD	0	0.0	0.0	0	0	0	0	0	0
	YUKON-KOYUKUK ELD	0	0.0	0.0	0	0	0	0	0	0
	FAIRBANKS ELD	0	0.0	0.0	0	0	0	0	0	0
	UPPER YUKON ELD	0	0.0	0.0	0	0	0	0	0	0
	BARROW ELD	0	0.0	0.0	0	0	0	0	0	0
	KOBUK ELD	0	0.0	0.0	0	0	0	0	0	0
	NOME ELD	0	0.0	0.0	0	0	0	0	0	0
	WADE HAMPTON ELD	0	0.0	0.0	0	0	0	0	0	0
	FIRST JD	0	0.0	0.0	0	0	0	0	0	0
	SECOND JD	0	0.0	0.0	0	0	0	0	0	0
	THIRD JD	0	0.0	0.0	0	0	0	0	0	0
	FOURTH JD	0	0.0	0.0	0	0	0	0	0	0
AZ	ARIZONA	1,775,399	25.2	79.5	641,000	7	15	9	9	18
	APACHE	32,304	26.9	0.0	6,868	6	8	23	5	55
	COCHISE	61,918	20.0	64.4	18,559	4	11	9	7	31
	COCONINO	48,326	35.4	54.0	16,689	6	7	18	10	36
	GILA	29,255	11.2	43.6	9,667	6	17	5	7	16
	GRAHAM	16,578	21.9	32.2	5,052	10	5	12	8	22
	GREENLEE	10,330	15.0	49.2	3,645	9	3	7	5	10
	MARICOPA	971,228	25.4	93.4	376,964	7	20	8	9	15
	MOHAVE	25,857	44.5	28.4	9,512	19	8	5	11	16
	NAVAJO	47,559	22.0	26.9	12,689	8	13	13	8	31
	PIMA	351,667	25.5	85.3	122,311	7	8	12	10	21
	PINAL	68,579	28.1	47.9	21,277	6	10	8	6	19
	SANTA CRUZ	13,966	24.2	63.9	4,588	6	5	6	6	20
	YAVAPAI	37,005	32.7	42.9	12,440	11	9	8	8	19
	YUMA	60,827	15.6	62.4	20,739	7	4	9	9	26
AR	ARKANSAS	1,923,322	10.0	50.0	688,630	6	26	7	8	15
	ARKANSAS	23,347	-1.3	61.6	8,674	5	20	5	10	9
	ASHLEY	24,976	0.5	48.8	8,394	6	39	6	8	10
	BAXTER	15,319	37.1	25.7	4,633	16	23	4	9	16
	BENTON	50,476	18.3	45.0	19,566	7	35	5	5	8
	BOONE	19,073	17.5	38.1	7,026	8	21	6	8	15

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
AR	BRADLEY	12,778	-1.8	50.3	4,151	6	36	5	11	13
	CALHOUN	5,573	0.1	0.0	1,883	7	42	8	7	17
	CARROLL	12,301	14.2	0.0	4,740	7	25	4	7	12
	CHICOT	18,164	-1.1	63.1	5,361	7	15	7	12	15
	CLARK	21,537	1.9	45.7	8,162	4	27	22	7	20
	CLAY	18,771	6.3	30.9	6,264	5	27	5	6	9
	CLEBURNE	10,349	34.7	0.0	3,206	12	25	6	8	15
	CLEVELAND	6,605	4.4	0.0	2,114	7	41	6	6	16
	COLUMBIA	25,952	-0.2	43.6	9,715	5	30	11	11	17
	CONWAY	16,805	5.2	43.0	5,796	6	34	6	7	10
	CRAIGHEAD	52,068	14.1	51.9	20,310	6	24	11	8	15
	CRAWFORD	25,677	18.2	32.6	9,214	7	36	4	5	8
	CRITTENDEN	48,106	4.7	60.4	15,443	7	18	5	11	12
	CROSS	19,783	-2.0	33.8	6,868	5	28	6	8	14
	DALLAS	10,022	2.8	46.8	3,469	5	42	6	6	14
	DESHA	18,761	-2.7	50.1	6,216	5	17	7	9	14
	DREW	15,157	2.5	33.5	5,576	6	38	13	8	19
	FAULKNER	31,578	21.8	49.1	11,285	8	22	17	6	26
	FRANKLIN	11,301	6.4	23.2	3,743	13	20	10	6	18
	FULTON	7,699	14.7	0.0	2,333	11	22	5	6	18
	GARLAND	54,131	13.9	65.8	19,354	8	19	3	14	11
	GRANT	9,711	23.0	0.0	3,445	6	42	5	6	13
	GREENE	24,765	16.4	42.6	9,057	6	33	6	6	11
	HEMPSTEAD	19,308	3.7	45.6	7,406	7	23	5	9	16
	HOT SPRING	21,963	7.7	39.9	8,285	6	40	5	6	10
	HOWARD	11,412	14.9	35.2	4,253	5	37	5	5	11
	INDEPENDENCE	22,723	3.8	31.4	8,181	8	31	5	7	12
	IZARD	7,381	28.0	0.0	2,554	8	28	5	8	13
	JACKSON	20,452	6.1	37.5	7,131	6	19	6	8	10
	JEFFERSON	85,329	-2.0	70.9	29,372	5	24	8	9	18
	JOHNSON	13,630	14.7	35.1	4,664	10	31	7	7	14
	LAFAYETTE	10,018	-6.5	0.0	3,240	6	30	6	8	14
	LAWRENCE	16,320	13.4	22.7	5,720	6	19	11	6	13
	LEE	18,884	-6.7	32.8	4,869	4	26	11	7	19
	LINCOLN	12,913	1.0	0.0	3,633	5	27	5	6	13
	LITTLE RIVER	11,194	4.3	31.2	4,002	5	42	5	5	17
	LOGAN	16,789	7.8	42.1	5,628	9	27	6	5	18
	LONOKE	26,249	17.7	35.3	9,162	8	23	5	7	12
	MADISON	9,453	6.3	0.0	3,105	6	26	5	5	14
	MARION	7,000	30.5	0.0	1,996	8	25	6	10	22
	MILLER	33,385	-0.1	65.3	12,537	7	23	6	9	18
	MISSISSIPPI	62,060	-0.9	52.3	19,431	5	23	6	10	15
	MONROE	15,657	-2.7	50.9	4,495	3	24	7	7	12
	MONTGOMERY	5,821	11.4	0.0	1,930	8	33	6	6	19
	NEVADA	10,111	2.1	38.3	3,357	9	27	6	6	16
	NEWTON	5,844	16.0	0.0	1,521	11	32	4	7	21
	OUACHITA	30,896	-3.5	49.1	11,213	5	41	5	9	11
	PERRY	5,634	23.8	0.0	1,704	9	24	6	4	18
	PHILLIPS	40,046	-4.9	53.8	11,794	4	25	9	9	16

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
AR	PIKE	8,711	11.5	0.0	2,953	11	31	4	6	11
	POINSETT	26,843	2.8	35.3	9,145	4	33	6	7	10
	POLK	13,297	11.3	34.1	4,533	6	37	6	5	13
	POPE	28,607	19.2	41.1	11,271	9	26	10	7	17
	PRAIRIE	10,249	- 3.1	0.0	3,377	7	21	3	5	9
	PULASKI	287,189	12.9	84.5	112,675	6	18	6	9	18
	RANDOLPH	12,645	28.0	35.9	4,306	5	37	5	5	12
	ST FRANCIS	30,799	0.6	40.7	10,152	5	25	7	9	15
	SALINE	36,107	19.2	46.0	13,706	7	33	5	4	19
	SCOTT	8,207	13.2	0.0	2,811	9	36	3	6	15
	SEARCY	7,731	6.5	0.0	2,410	6	40	6	4	14
	SEBASTIAN	79,237	38.2	82.1	32,128	6	29	4	7	9
	SEVIER	11,272	10.4	33.9	4,194	7	37	4	5	10
	SHARP	8,233	28.8	0.0	2,642	16	13	5	4	12
	STONE	6,838	18.0	0.0	2,068	10	28	6	6	20
	UNION	45,428	- 2.6	55.7	16,906	6	25	6	10	10
	VAN BUREN	8,275	18.3	0.0	2,400	9	26	6	5	15
	WASHINGTON	77,370	15.5	60.6	30,808	5	21	14	6	21
	WHITE	39,253	17.6	30.5	14,024	8	26	10	7	10
	WOODRUFF	11,566	- 12.5	24.4	3,617	3	23	8	8	15
	YELL	14,208	16.8	23.2	5,323	10	25	5	5	13
CA	CALIFORNIA	19,971,069	5.8	90.9	7,992,168	5	21	8	8	17
	ALAMEDA	1,071,446	1.6	99.0	445,665	5	19	9	8	22
	ALPINE	484	64.5	0.0	217	14	4	11	17	40
	AMADOR	11,821	27.9	0.0	4,268	7	17	10	9	27
	BUTTE	101,969	17.5	63.8	35,199	6	9	13	8	21
	CALAVERAS	13,585	18.4	0.0	4,712	11	15	5	6	23
	COLUSA	12,430	2.2	30.9	4,768	5	3	6	8	20
	CONTRA COSTA	556,116	5.0	93.6	223,383	7	20	8	7	19
	DEL NORTE	14,580	7.2	38.9	5,458	4	27	8	8	20
	EL DORADO	43,833	35.1	41.8	18,069	8	8	6	16	19
	FRESNO	413,329	7.8	75.1	150,724	5	11	9	8	18
	GLENN	17,521	7.8	39.8	6,780	5	9	5	6	17
	HUMBOLDT	99,692	5.5	47.1	37,548	5	25	10	8	20
	IMPERIAL	74,492	12.8	67.8	25,257	5	6	8	7	21
	INYO	15,571	10.8	22.5	6,292	10	3	6	12	28
	KERN	330,234	4.1	80.2	117,390	6	7	8	7	20
	KINGS	66,717	2.2	54.9	19,326	3	9	10	6	21
	LAKE	19,548	29.9	29.9	6,350	11	5	6	13	18
	LASSEN	16,796	12.2	39.3	5,914	4	9	8	6	46
	LOS ANGELES	7,041,980	- 1.4	98.7	3,014,116	4	27	6	9	14
	MADERA	41,519	11.6	49.1	13,641	5	9	8	8	17
	MARIN	208,652	3.5	92.4	84,557	5	9	9	9	18
	MARIPOSA	6,015	39.1	0.0	2,224	6	5	5	20	33
	MENDOCINO	51,101	12.7	34.5	18,632	5	23	6	7	22
	MERCED	104,629	13.1	50.0	33,966	5	10	9	6	21
	MODOC	7,469	7.4	39.3	3,092	5	8	6	7	28
	MONO	4,016	83.0	0.0	1,870	14	1	6	25	30
	MONTEREY	247,450	7.5	74.6	83,545	5	10	8	9	19

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
CA	NAPA	79,140	14.2	57.9	30,244	6	19	10	7	31
	NEVADA	26,346	26.9	19.8	9,372	8	10	6	10	25
	ORANGE	1,421,233	20.3	98.8	575,570	6	28	7	7	13
	PLACER	77,632	17.2	40.5	28,953	7	8	8	8	28
	PLUMAS	11,707	19.7	29.6	4,719	4	17	9	7	26
	RIVERSIDE	456,916	14.7	78.6	160,890	6	15	10	9	19
	SACRAMENTO	634,373	8.5	95.1	244,280	6	9	8	7	35
	SAN BENITO	18,226	9.2	42.0	7,228	3	18	7	7	14
	SAN BERNARDINO	682,233	2.1	89.8	237,718	7	19	9	8	20
	SAN DIEGO	1,357,854	16.9	93.5	459,679	6	17	9	9	21
	SAN FRANCISCO	715,674	-6.5	0.0	340,075	3	11	5	11	19
	SAN JOAQUIN	291,073	2.9	76.9	110,524	5	15	7	7	21
	SAN LUIS OBISPO	105,690	23.1	75.5	38,202	7	5	13	9	29
	SAN MATEO	557,361	2.8	98.3	251,281	5	17	6	9	14
	SANTA BARBARA	264,324	5.8	88.5	101,425	5	12	12	11	21
	SANTA CLARA	1,065,313	10.1	97.5	434,254	5	30	9	8	14
	SANTA CRUZ	123,790	22.4	75.0	47,616	6	16	9	8	17
	SHASTA	77,640	14.2	49.6	29,110	7	17	9	9	21
	SIERRA	2,365	10.0	0.0	684	8	24	7	6	21
	SISKIYOU	33,225	5.3	25.4	12,543	6	22	7	7	19
	SOLANO	171,989	8.9	92.8	54,326	4	20	8	7	37
	SONOMA	204,885	19.9	58.6	73,113	6	12	8	8	20
	STANISLAUS	194,506	15.1	69.9	72,015	6	19	8	7	16
	SUTTER	41,935	9.9	52.6	15,519	8	7	8	6	22
	TEHAMA	29,517	8.7	38.3	10,906	5	25	7	7	17
	TRINITY	7,615	27.4	0.0	2,725	11	21	11	6	36
	TULARE	188,322	10.4	53.8	69,843	4	10	8	6	17
	TUOLUMNE	22,169	17.3	14.0	8,172	12	12	7	9	23
	VENTURA	378,497	15.7	92.4	140,163	6	17	6	6	21
	YOLO	91,788	10.1	75.4	36,334	5	8	22	7	36
	YUBA	44,736	0.5	71.4	11,122	9	10	8	8	24
CO	COLORADO	2,209,596	14.7	78.7	862,133	6	14	10	8	19
	ADAMS	185,789	15.6	93.7	72,007	7	19	6	7	14
	ALAMOSA	11,422	5.8	60.6	4,465	6	3	22	7	32
	ARAPAHOE	162,142	30.6	97.4	65,355	6	17	8	7	16
	ARCHULETA	2,733	15.0	0.0	910	11	23	12	6	24
	BACA	5,674	-0.3	0.0	2,220	7	0	13	6	21
	BENT	6,493	1.7	49.0	2,084	4	3	8	5	44
	BOULDER	131,889	26.2	77.8	54,880	5	21	18	8	25
	CHAFFEE	10,162	13.3	42.7	3,579	6	4	6	8	20
	CHEYENNE	2,396	-8.9	0.0	927	9	1	12	2	22
	CLEAR CREEK	4,819	8.5	0.0	2,074	18	6	5	10	16
	CONEJOS	7,846	2.2	0.0	2,043	7	6	16	5	26
	COSTILLA	3,091	-0.2	0.0	791	2	2	19	3	32
	CROWLEY	3,086	3.7	0.0	957	4	7	9	5	29
	CUSTER	1,120	4.0	0.0	411	5	8	6	2	20
	DELTA	15,286	11.9	24.1	5,231	7	9	6	6	18
	DENVER	514,678	-5.0	0.0	221,827	5	15	8	9	17
	DOLORES	1,641	4.6	0.0	567	4	7	6	4	23

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
CO	DOUGLAS	8,407	86.7	0.0	3,311	12	16	10	6	19
	EAGLE	7,498	33.2	0.0	3,206	14	2	4	18	13
	ELBERT	3,903	37.6	0.0	1,547	8	7	9	6	20
	EL PASO	235,972	21.3	68.6	71,085	7	11	11	10	23
	FREMONT	21,942	16.5	67.7	6,831	8	17	6	8	21
	GARFIELD	14,821	17.1	27.7	6,167	11	2	7	11	15
	GILPIN	1,272	42.2	0.0	410	19	10	1	14	19
	GRAND	4,107	50.3	0.0	1,899	9	5	3	15	22
	GUNNISON	7,578	28.0	63.5	2,773	7	2	27	11	36
	HINSDALE	202	74.8	0.0	63	17	0	0	19	17
	HUERFANO	6,590	- 2.9	69.6	2,099	9	4	9	9	25
	JACKSON	1,811	- 2.2	0.0	708	8	12	6	2	23
	JEFFERSON	235,368	29.5	89.9	97,866	7	17	8	7	18
	KIOWA	2,029	5.7	0.0	758	3	5	10	4	26
	KIT CARSON	7,530	0.7	37.9	2,864	8	3	9	6	16
	LAKE	8,282	- 1.8	52.5	3,152	5	3	8	4	12
	LA PLATA	19,199	21.3	55.6	7,002	7	5	12	10	22
	LARIMER	89,900	34.5	66.3	36,043	7	15	20	7	27
	LAS ANIMAS	15,744	- 0.3	63.2	5,142	7	3	13	7	30
	LINCOLN	4,836	1.8	0.0	1,902	8	1	7	4	20
	LOGAN	18,852	0.4	57.3	7,156	4	7	12	6	15
	MESA	54,374	13.8	47.8	21,285	7	10	10	8	19
	MINERAL	786	2.0	0.0	319	4	1	8	6	22
	MOFFAT	6,525	25.8	67.8	2,639	11	1	8	10	24
	MONTEZUMA	12,952	15.9	47.5	4,343	9	7	9	8	22
	MONTROSE	18,366	9.4	35.4	6,660	7	5	7	5	20
	MORGAN	20,105	6.5	54.8	7,746	5	8	7	7	13
	OTERO	23,523	3.3	54.2	8,111	4	12	10	7	20
	OURAY	1,546	13.8	0.0	612	6	0	3	4	19
	PARK	2,185	66.9	0.0	822	11	9	6	10	20
	PHILLIPS	4,131	3.5	0.0	1,616	4	4	8	6	17
	PITKIN	6,185	44.2	0.0	3,060	9	2	3	18	9
	PROWERS	13,258	3.1	59.2	5,005	7	8	9	8	16
	PUEBLO	118,238	6.1	87.7	42,641	4	21	9	6	25
	RIO BLANCO	4,842	7.3	0.0	1,988	7	2	12	8	29
	RIO GRANDE	10,494	1.5	37.1	3,967	5	6	8	7	17
	ROUTT	6,592	50.6	0.0	2,613	9	3	11	10	20
	SAGUACHE	3,827	1.8	0.0	1,282	8	2	7	3	16
	SAN JUAN	831	1.2	0.0	302	6	0	16	8	21
	SAN MIGUEL	1,949	9.1	0.0	703	2	0	9	4	16
	SEDGWICK	3,405	- 3.2	0.0	1,386	4	3	5	6	16
	SUMMIT	2,665	104.1	0.0	1,301	12	1	7	11	16
	TELLER	3,316	73.4	0.0	1,202	15	9	9	3	22
	WASHINGTON	5,550	- 1.4	0.0	2,136	6	2	6	4	20
	WELD	89,297	20.6	46.5	34,807	7	14	13	6	19
	YUMA	8,544	0.6	0.0	3,275	6	2	8	6	16
CT	CONNECTICUT	3,032,217	2.1	77.3	1,298,483	5	34	8	6	13
	FAIRFIELD	792,814	0.1	86.2	340,097	5	35	7	7	11
	HARTFORD	816,737	0.7	64.9	363,802	5	33	7	5	13

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
CT	LITCHFIELD	144,091	3.8	48.2	62,200	6	38	8	6	11
	MIDDLESEX	115,018	8.5	45.4	49,020	6	36	6	4	15
	NEW HAVEN	744,948	2.1	87.2	321,648	5	35	9	5	12
	NEW LONDON	230,654	4.3	52.1	83,230	6	34	8	5	18
	TOLLAND	103,440	8.4	41.3	41,996	6	32	15	4	21
	WINDHAM	84,515	7.1	38.2	36,490	6	43	10	4	15
DE	DELAWARE	548,104	5.7	72.1	219,155	7	29	8	8	15
	KENT	81,892	11.9	38.6	28,433	8	24	8	6	24
	NEW CASTLE	385,856	3.4	91.2	157,222	7	30	8	8	13
	SUSSEX	80,356	10.2	14.2	33,500	9	30	6	6	15
DC	DISTRICT OF COLUMBIA	756,668	- 5.4	0.0	348,113	4	4	7	12	42
	DISTRICT OF COLUMBIA	756,668	- 5.4	0.0	348,113	4	4	7	12	42
FL	FLORIDA	6,791,418	22.9	80.5	2,521,245	8	14	7	11	16
	ALACHUA	104,764	23.7	69.0	41,050	6	7	26	7	42
	BAKER	9,242	37.0	29.6	3,076	11	13	6	4	39
	BAY	75,283	17.8	76.4	25,659	8	12	8	12	22
	BRADFORD	14,625	13.1	33.3	4,985	7	13	7	6	28
	BREVARD	230,006	1.1	85.1	87,987	6	24	6	13	21
	BROWARD	620,100	39.1	99.0	236,682	11	11	5	13	12
	CALHOUN	7,624	6.0	0.0	2,576	10	19	11	8	29
	CHARLOTTE	27,559	54.8	59.1	7,052	14	5	5	11	13
	CITRUS	19,196	97.3	0.0	5,406	17	6	7	13	15
	CLAY	32,059	57.2	50.2	9,531	7	14	9	6	27
	COLLIER	38,040	64.0	66.1	14,270	14	3	6	13	11
	COLUMBIA	25,250	13.9	56.2	9,432	7	15	8	10	28
	DADE	1,267,792	13.5	98.4	533,132	6	14	6	13	11
	DE SOTO	13,060	33.0	43.3	4,539	8	7	4	5	31
	DIXIE	5,480	14.9	0.0	1,821	7	39	12	4	22
	DUVAL	528,865	7.9	97.9	199,101	7	12	6	10	17
	ESCAMBIA	205,334	7.8	83.9	67,561	8	17	8	10	24
	FLAGLER	4,454	44.8	0.0	1,458	7	12	7	15	20
	FRANKLIN	7,065	9.0	44.6	2,580	5	19	6	6	17
	GADSDEN	39,184	- 5.4	41.6	12,940	6	10	6	7	24
	GILCHRIST	3,551	42.0	0.0	1,199	12	17	9	5	27
	GLADES	3,669	20.7	0.0	1,304	11	6	5	6	18
	GULF	10,096	1.0	43.6	3,454	5	36	9	8	18
	HAMILTON	7,787	5.4	0.0	2,596	6	14	9	7	18
	HARDEE	14,889	21.8	20.3	5,742	5	9	5	6	14
	HENDRY	11,859	28.3	32.9	4,683	11	13	6	9	17
	HERNANDO	17,004	67.5	23.9	5,521	10	5	6	7	17
	HIGHLANDS	29,507	39.0	47.2	9,828	6	6	6	8	15
	HILLSBOROUGH	490,265	19.5	81.2	188,262	6	17	7	9	14
	HOLMES	10,720	16.6	0.0	3,475	11	23	6	5	20
	INDIAN RIVER	35,992	27.8	69.6	12,902	9	11	7	11	17
	JACKSON	34,434	12.8	27.3	11,458	7	11	9	7	33
	JEFFERSON	8,778	7.3	0.0	3,094	7	10	10	8	26
	LAFAYETTE	2,892	10.5	0.0	936	14	20	8	3	14
	LAKE	69,305	27.9	43.4	23,977	7	11	8	9	13
	LEE	105,216	47.7	70.3	37,175	14	5	6	11	13

STATE	AND COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
FL	LEON	103,047	25.8	75.6	44,594	6	5	22	9	45
	LEVY	12,756	27.3	0.0	4,566	12	14	7	11	20
	LIBERTY	3,379	11.1	0.0	1,089	4	35	8	5	31
	MADISON	13,481	6.5	28.0	4,913	3	20	11	7	19
	MANATEE	97,115	26.4	71.4	29,579	8	14	6	11	13
	MARION	69,030	39.8	40.4	25,307	8	11	8	10	16
	MARTIN	28,035	64.0	16.8	9,209	12	17	6	14	11
	MONROE	52,586	- 2.3	71.2	15,525	8	3	5	14	25
	NASSAU	20,626	36.7	33.7	7,522	9	32	6	9	16
	OKALOOSA	88,187	17.9	62.0	23,250	7	9	10	11	33
	OKEECHOBEE	11,233	52.2	33.1	3,896	10	4	8	7	22
	ORANGE	344,311	19.7	83.2	133,058	8	14	7	10	14
	OSCEOLA	25,267	50.6	47.6	8,481	11	16	6	7	17
	PALM BEACH	348,993	31.8	91.1	135,744	9	15	6	12	12
	PASCO	75,955	66.7	33.8	19,137	12	17	6	7	11
	PINELLAS	522,329	25.0	96.1	171,027	6	13	6	12	13
	POLK	228,515	19.8	60.9	86,525	7	16	7	8	12
	PUTNAM	36,424	19.0	25.7	13,049	4	28	8	9	15
	ST JOHNS	31,035	25.2	40.2	10,990	7	13	8	12	19
	ST LUCIE	50,836	30.4	65.0	18,874	9	8	7	9	16
	SANTA ROSA	37,741	20.7	34.4	11,743	9	23	9	7	26
	SARASOTA	120,413	35.0	75.0	37,773	11	9	6	13	11
	SEMINOLE	83,692	61.2	61.9	31,805	9	15	6	9	13
	SUMTER	14,839	35.6	0.0	5,020	6	12	7	8	15
	SUWANNEE	15,559	17.2	43.9	5,703	7	13	8	7	19
	TAYLOR	13,641	1.1	56.5	5,023	6	37	7	9	17
	UNION	8,112	25.7	0.0	2,003	7	12	9	7	41
	VOLUSIA	169,487	23.8	70.4	58,394	8	10	8	13	14
	WAKULLA	6,308	43.7	0.0	2,375	12	14	5	8	23
	WALTON	16,087	8.8	30.9	5,072	12	15	8	7	28
	WASHINGTON	11,453	13.8	27.7	3,555	15	13	8	9	28
GA	GEORGIA	4,587,930	7.4	60.3	1,805,019	6	27	6	9	16
	APPLING	12,726	13.1	27.2	4,515	13	29	5	5	14
	ATKINSON	5,879	- 0.3	0.0	1,924	4	30	6	5	12
	BACON	8,233	10.3	44.3	3,274	6	26	4	6	10
	BAKER	3,875	- 4.4	0.0	1,080	4	21	3	6	19
	BALDWIN	34,240	- 2.8	75.5	10,725	4	21	9	8	44
	BANKS	6,833	- 1.4	0.0	2,670	12	43	4	4	16
	BARROW	16,859	14.0	38.9	7.157	7	43	4	7	9
	BARTOW	32,911	9.0	30.4	13,543	8	49	4	5	11
	BEN HILL	13,171	6.5	60.9	5,344	7	29	6	9	13
	BERRIEN	11,556	7.8	36.5	4,510	6	30	3	7	11
	BIBB	143,366	- 0.5	88.0	58,072	6	18	7	11	22
	BLECKLEY	10,291	1.7	49.7	3,940	5	20	13	7	35
	BRANTLEY	5,940	25.7	0.0	2,118	10	24	4	4	14
	BROOKS	13,743	1.5	35.1	4,999	3	19	7	9	13
	BRYAN	6,539	22.1	0.0	2,198	14	26	6	6	23
	BULLOCH	31,585	3.4	46.3	11,689	6	19	16	9	19
	BURKE	18,255	- 0.7	30.3	5,953	6	31	6	10	14

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
GA	BUTTS	10,560	12.7	35.8	3,908	7	36	6	9	19
	CALHOUN	6,606	-0.5	0.0	2,161	4	21	5	13	13
	CAMDEN	11,334	5.3	29.7	4,359	5	47	5	7	10
	CANDLER	6,412	3.5	45.4	2,441	5	20	7	7	13
	CARROLL	45,404	16.0	38.3	19,152	8	42	10	6	13
	CATOOSA	28,271	14.0	46.4	11,541	6	43	4	5	7
	CHARLTON	5,680	15.1	0.0	2,015	3	28	6	11	15
	CHATHAM	187,816	-4.4	89.3	68,824	7	19	6	11	16
	CHATTAHOOCHEE	25,813	-35.3	72.8	713	9	11	6	13	36
	CHATTOOGA	20,541	8.1	24.6	6,691	4	65	3	4	7
	CHEROKEE	31,059	25.2	11.8	12,513	8	41	5	6	10
	CLARKE	65,177	13.3	68.0	26,118	4	15	29	9	36
	CLAY	3,636	-2.8	0.0	1,250	5	17	8	14	19
	CLAYTON	98,126	35.1	81.4	41,762	7	18	4	6	14
	CLINCH	6,405	3.1	47.7	2,287	5	44	3	5	10
	COBB	196,793	23.0	73.9	85,294	7	31	5	6	13
	COFFEE	22,828	8.6	44.7	9,313	5	27	7	6	14
	COLQUITT	32,298	4.1	44.4	12,397	5	29	5	7	11
	COLUMBIA	22,327	26.4	14.2	7,534	9	23	6	10	23
	COOK	12,129	1.6	40.7	4,738	4	32	5	6	10
	COWETA	32,310	12.3	34.7	13,255	7	40	6	9	11
	CRAWFORD	5,748	10.9	0.0	1,923	6	31	5	9	17
	CRISP	18,087	6.3	59.3	6,627	4	24	6	13	13
	DADE	9,910	18.2	0.0	3,618	8	48	6	4	10
	DAWSON	3,639	18.2	0.0	1,390	9	36	7	7	15
	DECATUR	22,310	8.9	48.8	8,192	4	23	5	11	13
	DE KALB	415,387	10.2	93.7	183,765	6	16	7	8	15
	DODGE	15,658	3.9	34.6	5,890	6	27	5	7	20
	DOOLY	10,404	3.2	0.0	3,482	5	18	7	10	17
	DOUGHERTY	89,639	1.4	85.5	31,962	7	19	8	11	19
	DOUGLAS	28,659	56.9	31.6	11,399	11	27	5	7	11
	EARLY	12,682	0.8	41.5	4,409	6	19	5	14	14
	ECHOLS	1,924	4.4	0.0	681	4	36	3	2	16
	EFFINGHAM	13,632	14.4	0.0	4,648	10	39	4	6	13
	ELBERT	17,262	3.0	37.3	6,888	5	41	4	9	10
	EMANUEL	18,357	7.3	40.1	6,958	7	34	6	6	14
	EVANS	7,290	11.3	35.5	2,733	6	21	5	8	14
	FANNIN	13,357	6.2	0.0	4,503	7	32	6	5	13
	FAYETTE	11,364	55.4	0.0	4,644	8	20	4	8	14
	FLOYD	73,742	4.6	49.6	30,476	6	37	8	7	11
	FORSYTH	16,928	27.5	0.0	7.128	12	31	4	6	10
	FRANKLIN	12,784	6.5	0.0	5,300	7	46	7	5	9
	FULTON	605,210	-3.5	93.3	265,329	5	17	7	12	16
	GILMER	8,956	14.2	0.0	3,492	5	52	5	3	9
	GLASCOCK	2,280	8.6	0.0	924	9	46	4	9	14
	GLYNN	50,528	-4.2	66.1	18,387	7	26	6	14	16
	GORDON	23,570	16.0	20.1	10,197	6	53	4	6	9
	GRADY	17,826	5.0	45.2	6,732	6	22	6	6	11
	GREENE	10,212	3.1	24.1	4,128	4	41	7	8	11

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
GA	GWINNETT	72,349	60.2	26.6	29,917	10	32	4	6	12
	HABERSHAM	20,691	11.6	14.6	8,623	8	44	6	6	14
	HALL	59,405	12.1	26.1	25,079	7	37	5	6	11
	HANCOCK	9,019	4.3	0.0	3,028	8	35	7	11	22
	HARALSON	15,927	7.8	39.9	6,828	9	54	3	6	7
	HARRIS	11,520	5.3	6.0	4,195	6	32	5	14	11
	HART	15,814	4.3	30.8	6,101	8	48	3	8	7
	HEARD	5,354	10.3	0.0	2,011	9	52	5	5	11
	HENRY	23,724	21.0	11.3	8,935	10	23	3	11	17
	HOUSTON	62,924	12.4	65.5	21,407	6	9	6	8	49
	IRWIN	8,036	3.6	40.4	3,002	6	17	7	9	13
	JACKSON	21,093	11.1	17.6	9,006	7	43	5	7	10
	JASPER	5,760	15.3	0.0	2,179	6	36	5	11	17
	JEFF DAVIS	9,425	14.5	43.1	3,722	5	45	4	5	12
	JEFFERSON	17,174	- 3.3	15.7	5,854	6	32	6	12	15
	JENKINS	8,332	- 1.5	44.6	3,232	7	28	5	11	11
	JOHNSON	7,727	- 0.7	0.0	2,952	9	38	4	8	10
	JONES	12,270	20.4	15.5	4,539	9	29	5	9	16
	LAMAR	10,688	6.9	46.2	4,147	7	45	8	6	12
	LANIER	5,031	1.3	55.8	1,587	8	21	5	8	16
	LAURENS	32,738	3.3	46.1	12,625	6	30	5	9	17
	LEE	7,044	34.5	0.0	2,488	9	14	6	10	18
	LIBERTY	17,569	15.3	48.7	3,959	4	18	6	14	25
	LINCOLN	5,895	0.1	0.0	2,208	10	41	6	8	13
	LONG	3,746	- 11.6	0.0	1,163	6	20	9	8	30
	LOWNDES	55,112	12.7	59.0	19,969	6	22	8	10	17
	LUMPKIN	8,728	7.7	34.1	3,113	6	31	14	7	20
	MC DUFFIE	15,276	13.1	42.6	6,161	12	37	4	9	15
	MC INTOSH	7,371	10.8	0.0	2,480	9	35	9	2	19
	MACON	12,933	0.2	33.7	4,432	4	29	6	10	14
	MADISON	13,517	14.0	0.0	5,455	9	39	8	6	13
	MARION	5,099	14.4	0.0	1,765	7	27	9	10	24
	MERIWETHER	19,461	4.0	24.7	7,097	7	36	6	9	13
	MILLER	6,424	- 4.7	0.0	2,249	4	15	5	10	16
	MITCHELL	18,956	0.7	49.0	7,002	5	26	5	8	13
	MONROE	10,991	8.7	34.0	4,507	6	35	5	13	15
	MONTGOMERY	6,099	3.2	0.7	2,395	7	36	7	5	11
	MORGAN	9,904	6.7	24.8	3,661	6	35	4	9	13
	MURRAY	12,986	24.0	20.8	5,303	7	54	5	5	9
	MUSCOGEE	0	0.0	0.0	0	6	0	7	11	21
	NEWTON	26,282	21.7	39.7	10,641	10	43	4	7	10
	OCONEE	7,915	15.8	0.0	3,067	6	29	13	8	20
	OGLETHORPE	7,598	4.2	0.0	2,912	11	31	9	10	14
	PAULDING	17,520	25.9	0.0	6,368	12	41	3	5	13
	PEACH	15,990	16.1	57.9	6,116	5	19	14	12	29
	PICKENS	9,620	7.0	0.0	3,831	5	51	5	5	11
	PIERCE	9,281	11.7	28.3	3,357	7	23	5	5	12
	PIKE	7,316	12.1	0.0	2,817	6	42	4	6	13
	POLK	29,656	6.3	44.2	11,739	6	48	4	7	11

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GA	PULASKI	8,066	-0.9	48.9	2,977	7	21	4	13	21
	PUTNAM	8,394	3.6	50.4	3,487	6	41	7	6	15
	QUITMAN	2,180	-8.4	0.0	635	9	21	4	12	16
	RABUN	8,327	11.8	0.0	3,416	9	37	6	8	13
	RANDOLPH	8,734	-0.5	39.6	2,982	3	19	7	15	12
	RICHMOND	162,437	-5.5	87.6	51,553	6	21	7	10	24
	ROCKDALE	18,152	49.7	26.3	7,324	12	33	4	5	12
	SCHLEY	3,097	-5.2	0.0	1,006	2	31	7	11	20
	SCREVEN	12,591	-0.6	26.4	4,782	4	28	4	12	11
	SEMINOLE	7,059	11.3	39.7	2,486	8	20	4	9	10
	SPALDING	39,514	10.7	57.8	16,965	5	39	5	8	13
	STEPHENS	20,331	8.6	33.0	9,141	7	50	6	6	8
	STEWART	6,511	-13.8	0.0	2,077	6	21	11	13	24
	SUMTER	26,931	3.0	58.7	9,836	4	27	9	11	16
	TALBOT	6,625	-3.6	2.2	2,110	6	40	8	11	16
	TALIAFERRO	2,423	-1.0	0.0	857	7	39	5	8	21
	TATTNALL	16,557	-1.8	18.0	4,936	7	19	4	8	21
	TAYLOR	7,865	1.6	0.0	2,941	12	22	6	10	20
	TELFAIR	11,394	-3.4	28.2	4,339	6	27	6	8	14
	TERRELL	11,416	-3.8	50.5	4,019	6	27	6	11	10
	THOMAS	34,562	6.2	52.6	12,911	6	24	5	10	15
	TIFT	27,288	10.6	44.6	10,858	7	21	6	9	18
	TOOMBS	19,151	9.0	69.1	7,258	8	30	4	8	10
	TOWNS	4,565	7.8	0.0	1,582	18	20	13	6	20
	TREUTLEN	5,647	5.8	43.6	2,118	14	30	9	8	25
	TROUP	44,466	0.4	67.5	18,363	5	45	5	9	10
	TURNER	8,790	-1.5	46.1	3,585	5	29	5	11	11
	TWIGGS	8,222	-5.0	0.0	2,473	6	23	4	11	17
	UNION	6,811	17.5	0.0	2,344	12	33	8	4	18
	UPSON	23,505	2.7	42.6	10,393	6	52	3	9	10
	WALKER	50,691	7.4	42.8	20,496	5	52	4	5	8
	WALTON	23,404	22.7	35.3	9,900	10	43	3	7	11
	WARE	33,525	6.3	65.5	12,600	5	20	6	8	15
	WARREN	6,669	-8.8	0.0	2,180	7	37	3	6	12
	WASHINGTON	17,480	-3.2	31.7	6,229	7	22	5	12	16
	WAYNE	17,858	6.9	50.2	6,703	7	33	6	10	14
	WEBSTER	2,362	-2.7	0.0	717	4	26	9	8	20
	WHEELER	4,596	2.5	0.0	1,787	6	33	7	6	16
	WHITE	7,742	9.1	0.0	3,120	8	42	6	4	12
	WHITFIELD	55,108	7.9	34.2	23,973	5	56	4	6	7
	WILCOX	6,998	-3.1	0.0	2,281	4	28	6	6	23
	WILKES	10,184	0.0	39.4	4,115	5	33	5	11	12
	WILKINSON	9,393	4.3	25.8	3,427	3	18	4	8	21
	WORTH	14,770	11.6	27.1	5,258	5	25	5	7	15
	COLUMBUS CITY	167,377	4.7	98.2	57,273	0	20	0	0	0
HI	HAWAII	769,913	12.3	83.0	294,484	9	10	8	10	24
	HAWAII	63,468	17.7	41.5	25,889	10	15	7	12	18
	HONOLULU	630,528	11.7	93.0	237,338	9	10	8	9	26
	KALAWAO	0	0.0	0.0	0	0	0	0	0	0

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
HI	KAUAI	29,761	6.9	23.2	12,447	6	11	4	15	16
	MAUI	46,156	16.7	42.4	18,810	7	13	6	13	17
ID	IDAHO	713,015	15.2	54.3	271,593	6	14	8	8	17
	ADA	112,230	22.3	78.1	46,554	8	10	7	9	19
	ADAMS	2,877	17.0	0.0	1,147	4	17	8	6	27
	BANNOCK	52,200	8.3	82.6	20,425	5	13	11	7	19
	BEAR LAKE	5,801	8.5	46.4	1,999	4	8	8	6	14
	BENEWAH	6,230	9.8	39.5	2,160	4	26	7	4	21
	BINGHAM	29,167	10.7	38.6	10,536	6	17	8	8	20
	BLAINE	5,749	39.8	0.0	2,699	8	4	4	25	13
	BOISE	1,763	30.0	0.0	665	4	35	6	4	21
	BONNER	15,560	30.4	27.3	5,533	7	20	7	6	19
	BONNEVILLE	52,457	10.8	69.8	18,714	6	11	5	18	13
	BOUNDARY	5,484	27.6	43.9	2,152	7	21	7	7	22
	BUTTE	2,925	9.8	0.0	1,103	11	9	10	7	18
	CAMAS	728	17.9	0.0	222	5	4	16	8	36
	CANYON	61,288	18.5	57.1	24,311	5	18	8	6	11
	CARIBOU	6,534	15.1	45.7	2,478	6	13	8	5	16
	CASSIA	17,017	10.1	47.5	6,685	3	22	5	6	10
	CLARK	741	30.2	0.0	320	4	1	8	10	29
	CLEARWATER	10,871	-12.2	35.6	4,101	19	24	6	4	22
	CUSTER	2,967	11.9	0.0	1,139	4	2	5	7	25
	ELMORE	17,479	13.4	71.9	3,989	6	3	11	7	30
	FRANKLIN	7,373	10.3	45.7	2,413	4	10	9	5	14
	FREMONT	8,710	13.8	32.1	3,143	4	7	7	6	15
	GEM	9,387	13.7	42.0	3,353	6	23	6	4	12
	GOODING	8,645	21.0	30.6	3,416	5	5	8	4	18
	IDAHO	12,891	2.1	29.0	4,632	6	23	8	4	20
	JEFFERSON	11,740	12.4	0.0	4,382	7	14	5	6	14
	JEROME	10,253	36.7	41.6	4,086	5	11	5	8	11
	KOOTENAI	35,332	32.4	45.9	13,006	8	22	7	8	16
	LATAH	24,898	11.9	56.6	9,614	4	10	30	6	38
	LEMHI	5,566	14.6	52.3	1,880	5	8	7	5	19
	LEWIS	3,867	12.6	0.0	1,424	4	17	8	5	16
	LINCOLN	3,057	14.2	0.0	1,059	12	4	9	3	27
	MADISON	13,452	27.0	64.8	4,937	4	10	25	5	12
	MINIDOKA	15,731	15.8	30.0	6,260	4	25	6	4	12
	NEZ PERCE	30,376	2.6	65.8	11,733	8	20	7	7	15
	ONEIDA	2,864	4.5	0.0	1,127	5	10	7	8	15
	OWYHEE	6,422	15.9	0.0	2,395	3	12	10	3	20
	PAYETTE	12,401	16.0	36.7	4,934	5	22	7	7	10
	POWER	4,864	11.1	65.7	1,837	5	18	7	6	17
	SHOSHONE	19,718	-5.6	20.6	7,336	3	14	4	4	11
	TETON	2,351	4.8	0.0	748	4	4	8	8	15
	TWIN FALLS	41,807	11.6	59.4	16,774	5	11	6	7	13
	VALLEY	3,609	22.9	0.0	1,432	6	20	9	9	24
	WASHINGTON	7,633	10.5	58.0	2,740	6	11	9	4	17
	YELLOWSTONE NAT. PARK	0	0.0	0.0	0	0	0	0	0	0
IL	ILLINOIS	11,112,797	0.3	63.0	4,591,634	5	30	7	6	13

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
IL	ADAMS	70,861	-1.2	63.9	28,553	4	28	6	6	8
	ALEXANDER	12,015	-2.1	52.2	4,144	5	15	7	8	17
	BOND	14,012	3.7	32.2	5,329	8	19	12	8	12
	BOONE	25,440	4.2	55.3	11,179	3	46	6	4	8
	BROWN	5,586	-4.2	0.0	2,062	9	12	4	6	11
	BUREAU	38,541	-5.5	32.5	15,752	6	28	7	5	12
	CALHOUN	5,675	-3.1	0.0	1,981	11	12	6	4	15
	CARROLL	19,276	-0.1	25.1	7,771	4	20	7	4	18
	CASS	14,219	-2.7	43.3	5,439	6	20	5	6	15
	CHAMPAIGN	163,281	0.1	77.0	63,922	5	8	30	6	38
	CHRISTIAN	35,948	1.1	47.6	13,619	5	22	6	5	12
	CLARK	16,216	-0.2	41.1	6,183	7	19	7	6	15
	CLAY	14,735	2.3	34.3	5,410	5	22	5	4	12
	CLINTON	28,315	3.9	27.0	10,000	7	20	7	5	16
	COLES	47,815	-0.1	75.0	20,054	6	22	18	6	24
	COOK	5,493,766	-2.3	99.7	2,355,804	4	31	6	7	11
	CRAWFORD	19,824	-2.2	36.5	7,836	6	30	5	6	11
	CUMBERLAND	9,772	4.1	0.0	3,595	7	25	7	6	15
	DE KALB	71,654	-0.5	68.1	31,290	4	27	22	5	26
	DE WITT	16,975	-0.7	44.6	7,036	5	24	7	5	12
	DOUGLAS	18,997	-2.5	33.5	7,330	7	23	8	6	16
	DU PAGE	490,478	10.5	95.3	203,584	6	28	7	6	9
	EDGAR	21,591	-1.0	46.1	8,467	9	24	5	7	12
	EDWARDS	7,090	3.5	0.0	2,668	4	26	3	5	10
	EFFINGHAM	24,608	11.3	38.4	9,142	7	18	6	7	13
	FAYETTE	20,752	-1.3	24.9	7,390	7	15	5	7	18
	FORD	16,382	-9.2	47.5	6,363	7	18	7	5	20
	FRANKLIN	38,329	6.6	48.9	13,080	7	18	6	7	13
	FULTON	41,900	1.5	47.4	15,800	4	31	6	5	9
	GALLATIN	7,418	-3.2	0.0	2,508	6	17	6	7	14
	GREENE	17,014	-2.7	33.7	6,174	5	24	6	4	13
	GRUNDY	26,535	3.5	42.0	10,934	8	37	4	4	12
	HAMILTON	8,665	-4.7	33.1	3,010	5	19	8	6	17
	HANCOCK	23,664	-7.6	26.5	9,132	6	21	8	7	10
	HARDIN	4,914	2.6	0.0	1,606	6	9	8	7	21
	HENDERSON	8,451	-2.6	0.0	3,356	5	27	7	4	14
	HENRY	53,217	3.5	51.7	20,961	5	28	6	6	11
	IROQUOIS	33,532	-2.7	15.3	12,881	5	22	6	6	11
	JACKSON	55,008	-5.6	59.6	20,670	5	12	30	6	38
	JASPER	10,741	3.1	28.2	3,825	6	17	7	5	13
	JEFFERSON	31,848	6.0	51.1	11,648	6	19	6	7	13
	JERSEY	18,492	5.1	40.0	6,783	5	28	13	6	11
	JO DAVIESS	21,766	1.4	29.1	8,577	5	26	5	4	10
	JOHNSON	7,550	14.7	0.0	2,623	13	14	7	4	31
	KANE	251,005	6.3	87.5	107,894	5	38	6	5	10
	KANKAKEE	97,250	-1.4	53.6	37,503	5	34	6	6	16
	KENDALL	26,374	15.1	48.1	11,242	5	43	5	3	10
	KNOX	60,939	0.3	70.2	25,458	4	27	8	6	13
	LAKE	382,638	3.7	81.4	143,466	6	32	7	7	13

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
IL	LA SALLE	111,409	-2.7	64.6	44,659	5	39	5	4	9
	LAWRENCE	17,522	-1.7	33.5	6,440	7	18	7	6	13
	LEE	37,947	-6.3	47.8	14,520	6	22	9	4	22
	LIVINGSTON	40,690	0.4	40.0	15,522	6	26	6	5	12
	LOGAN	33,538	-9.0	52.3	13,452	4	20	11	5	21
	MC DONOUGH	36,653	7.5	64.1	14,952	5	13	21	6	26
	MC HENRY	111,555	11.4	51.6	46,534	8	35	7	5	9
	MC LEAN	104,389	11.7	66.2	45,432	4	16	16	5	19
	MACON	125,010	1.9	79.8	51,691	4	33	6	7	10
	MACOUPIN	44,557	3.8	38.3	16,349	6	23	6	5	13
	MADISON	250,911	-1.3	71.7	98,846	5	35	8	5	15
	MARION	38,986	2.6	50.2	14,742	6	22	5	6	13
	MARSHALL	13,302	-1.4	19.6	5,091	4	30	6	5	8
	MASON	16,180	11.0	43.8	6,290	6	24	7	4	15
	MASSAC	13,889	-1.0	50.0	5,185	7	22	6	7	16
	MENARD	9,685	10.2	28.2	3,859	6	12	6	7	21
	MERCER	17,294	0.2	19.8	6,549	6	22	7	6	12
	MONROE	18,831	-1.2	46.5	7,064	6	20	5	4	11
	MONTGOMERY	30,260	0.4	46.9	11,198	8	17	6	6	14
	MORGAN	36,174	-1.7	65.0	14,674	5	19	12	7	17
	MOULTRIE	13,263	2.0	31.0	5,300	5	35	5	5	10
	OGLE	42,867	-1.2	42.2	17,917	5	41	7	4	10
	PEORIA	195,318	1.2	83.9	79,922	5	31	7	7	10
	PERRY	19,757	2.6	50.7	7,338	6	28	6	4	12
	PIATT	15,509	2.8	25.8	6,127	6	24	10	6	15
	PIKE	19,185	-0.6	23.3	7,574	8	18	5	5	9
	POPE	3,857	11.4	0.0	1,064	14	11	7	4	30
	PULASKI	8,741	-2.1	0.0	2,666	5	17	10	10	20
	PUTNAM	5,007	9.5	0.0	1,941	6	31	7	4	9
	RANDOLPH	31,379	3.5	38.8	11,609	6	28	5	3	13
	RICHLAND	16,829	2.1	53.4	6,508	5	22	7	6	12
	ROCK ISLAND	166,734	-1.2	65.8	68,382	5	35	6	6	15
	ST CLAIR	285,591	-2.1	83.2	102,218	5	24	6	7	15
	SALINE	25,721	2.8	52.1	8,630	7	9	9	6	19
	SANGAMON	161,335	4.6	78.0	70,237	7	14	6	7	25
	SCHUYLER	8,135	-1.6	40.8	3,157	7	14	6	6	17
	SCOTT	6,096	-0.6	0.0	2,398	4	14	7	4	14
	SHELBY	22,589	1.3	20.6	8,012	6	26	6	6	13
	STARK	7,510	-5.0	0.0	2,842	6	24	8	5	13
	STEPHENSON	48,861	-2.2	56.8	21,489	4	39	5	4	7
	TAZEWELL	118,649	4.6	75.2	48,379	5	39	6	5	9
	UNION	16,071	-0.6	29.6	6,079	8	18	7	5	29
	VERMILION	97,047	-0.5	62.0	38,793	5	37	6	5	12
	WABASH	12,841	2.7	63.7	5,172	5	23	6	5	11
	WARREN	21,595	-2.1	51.0	8,662	5	22	10	5	12
	WASHINGTON	13,780	6.6	22.0	5,299	4	17	6	5	14
	WAYNE	17,004	0.0	35.2	6,673	4	25	5	5	12
	WHITE	17,312	-5.9	35.8	6,713	6	15	6	8	12
	WHITESIDE	62,877	0.2	54.7	25,394	5	39	6	6	11

STATE	COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
IL	WILL	247,825	15.8	72.0	96,871	6	36	6	5	13
	WILLIAMSON	49,021	6.3	57.2	18,153	7	21	10	6	20
	WINNEBAGO	246,623	-0.9	84.6	105,317	4	45	5	6	8
	WOODFORD	28,012	5.1	10.7	10,715	6	29	8	4	9
IN	INDIANA	5,195,610	2.2	64.9	2,103,434	5	35	7	6	12
	ADAMS	26,871	1.6	42.0	10,772	5	44	5	4	8
	ALLEN	280,455	3.6	80.5	117,922	4	33	6	6	10
	BARTHOLOMEW	57,022	4.1	48.6	22,845	4	45	6	6	12
	BENTON	11,262	-5.2	22.3	4,253	6	18	9	5	14
	BLACKFORD	15,888	-0.2	52.8	6,423	3	46	6	4	11
	BOONE	30,870	4.5	31.6	12,569	6	29	6	6	11
	BROWN	9,057	6.7	0.0	3,408	9	31	9	8	18
	CARROLL	17,734	-0.6	15.2	7,361	6	31	5	6	10
	CASS	40,456	-2.1	47.6	16,650	5	34	5	6	14
	CLARK	75,876	9.3	68.4	32,077	4	41	5	5	15
	CLAY	23,933	1.3	34.0	8,961	6	29	6	5	14
	CLINTON	30,547	-1.3	48.8	12,605	6	35	7	5	12
	CRAWFORD	8,033	7.2	0.0	2,834	11	35	6	4	19
	DAVIESS	26,602	-3.5	42.7	10,204	6	23	6	6	23
	DEARBORN	29,430	6.1	43.2	10,857	7	42	5	4	10
	DECATUR	22,738	2.4	38.2	8,860	5	34	6	4	10
	DE KALB	30,837	3.6	39.1	12,648	3	44	5	5	9
	DELAWARE	129,219	0.0	70.0	52,063	4	37	13	6	15
	DUBOIS	30,934	2.8	43.3	11,876	6	41	5	6	7
	ELKHART	126,529	4.8	62.5	55,328	3	48	6	5	7
	FAYETTE	26,216	5.4	67.2	10,772	3	50	5	6	9
	FLOYD	55,622	1.0	69.0	22,898	5	37	5	6	13
	FOUNTAIN	18,257	0.3	37.2	7,158	6	40	6	7	11
	FRANKLIN	16,943	3.0	18.1	6,003	6	42	5	4	9
	FULTON	16,984	1.1	27.3	6,965	7	34	6	6	8
	GIBSON	30,444	2.9	43.1	11,589	4	33	7	6	9
	GRANT	83,955	0.9	62.2	33,888	3	44	7	5	10
	GREENE	26,894	4.3	29.1	10,155	8	22	7	5	27
	HAMILTON	54,532	25.2	40.1	22,233	6	29	6	5	12
	HANCOCK	35,096	14.1	29.8	14,389	7	36	5	5	13
	HARRISON	20,423	13.5	13.3	7,484	6	35	4	5	16
	HENDRICKS	53,974	13.1	32.6	21,595	5	29	6	5	13
	HENRY	52,603	2.2	40.3	20,563	3	45	6	5	12
	HOWARD	83,198	4.9	52.9	36,276	3	50	6	5	8
	HUNTINGTON	34,970	-0.3	46.4	14,977	3	43	6	4	10
	JACKSON	33,187	3.0	40.1	13,541	5	45	4	5	9
	JASPER	20,429	11.9	22.9	7,485	10	22	11	6	12
	JAY	23,575	2.8	44.3	9,756	3	50	4	5	8
	JEFFERSON	27,006	1.4	59.7	10,253	3	31	8	4	21
	JENNINGS	19,454	6.6	23.6	6,673	5	41	4	4	21
	JOHNSON	61,138	14.6	56.1	24,323	5	31	7	5	12
	KNOX	41,546	-4.3	56.3	15,987	7	17	7	7	14
	KOSCIUSKO	48,127	8.7	21.5	20,731	6	44	6	5	7
	LAGRANGE	20,890	10.8	0.0	7,851	3	40	6	5	7

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
IN	LAKE	546,253	-0.3	94.5	210,156	5	45	6	5	10
	LA PORTE	105,342	-0.1	66.0	42,652	5	41	5	5	10
	LAWRENCE	38,038	5.3	45.3	15,293	5	37	5	5	19
	MADISON	138,522	-0.3	70.0	56,174	3	49	5	5	9
	MARION	793,769	-0.6	99.8	334,732	5	27	6	7	14
	MARSHALL	34,986	8.4	31.9	14,239	6	34	8	5	9
	MARTIN	10,969	1.0	26.1	4,109	6	28	3	5	32
	MIAMI	39,246	1.6	48.5	13,760	4	38	5	6	11
	MONROE	85,221	6.6	50.4	35,757	5	18	33	5	36
	MONTGOMERY	33,930	1.4	40.8	13,423	5	34	7	6	11
	MORGAN	44,176	8.5	35.1	16,800	6	34	6	5	12
	NEWTON	11,606	12.3	0.0	4,637	7	23	6	6	11
	NOBLE	31,382	3.1	32.1	13,510	4	47	4	4	7
	OHIO	4,289	6.9	0.0	1,671	8	35	3	4	8
	ORANGE	16,968	1.3	19.3	6,701	7	33	7	10	16
	OWEN	12,163	8.6	0.0	4,478	8	33	7	5	14
	PARKE	14,628	6.2	19.3	5,173	12	22	7	7	15
	PERRY	19,075	-2.6	41.6	7,493	9	47	5	4	12
	PIKE	12,281	-2.0	23.3	4,403	9	26	6	4	14
	PORTER	87,114	10.0	63.3	34,123	8	37	10	5	10
	POSEY	21,740	4.4	31.1	7,747	8	32	5	5	8
	PULASKI	12,534	1.8	0.0	4,777	6	25	7	6	14
	PUTNAM	26,932	2.0	32.9	9,928	5	26	14	7	12
	RANDOLPH	28,915	0.5	32.8	11,805	4	48	5	5	9
	RIPLEY	21,138	6.8	16.3	7,950	4	39	6	6	14
	RUSH	20,352	-0.7	32.9	7,757	5	30	6	6	13
	ST JOSEPH	245,045	-1.6	84.7	101,285	4	33	9	6	9
	SCOTT	17,144	9.7	57.3	6,738	4	51	6	3	13
	SHELBY	37,797	2.6	39.8	15,300	5	38	5	5	10
	SPENCER	17,134	1.2	14.3	6,498	7	34	6	6	8
	STARKE	19,280	6.4	17.7	6,725	8	35	6	5	11
	STEUBEN	20,159	13.8	25.4	8,172	5	31	10	6	10
	SULLIVAN	19,889	-1.5	24.0	7,046	9	26	6	6	13
	SWITZERLAND	6,306	8.6	0.0	2,533	7	33	6	5	17
	TIPPECANOE	109,378	3.1	72.4	46,415	6	18	25	5	27
	TIPTON	16,650	-1.5	31.1	6,655	4	39	5	4	8
	UNION	6,582	1.0	0.0	2,772	6	30	7	6	12
	VANDERBURGH	168,772	-3.4	84.4	69,402	5	31	6	7	10
	VERMILLION	16,793	-0.8	32.3	6,493	11	33	7	4	13
	VIGO	114,528	-3.5	70.6	46,001	6	24	13	6	17
	WABASH	35,553	-0.3	53.9	15,476	3	44	9	3	9
	WARREN	8,705	-8.7	0.0	3,343	4	33	7	6	10
	WARRICK	27,972	20.0	20.5	10,367	7	38	5	5	8
	WASHINGTON	19,278	3.5	26.4	7,553	6	42	4	3	12
	WAYNE	79,109	-3.0	55.6	32,646	4	39	6	6	11
	WELLS	23,821	4.0	34.2	10,046	5	39	5	4	9
	WHITE	20,995	2.1	23.2	8,436	6	26	8	6	12
	WHITLEY	23,395	5.7	21.0	10,023	5	40	5	5	10
IA	IOWA	2,825,368	1.6	57.2	1,127,433	5	20	9	6	14

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
IA	ADAIR	9,487	5.4	0.0	3,943	5	4	8	6	12
	ADAMS	6,322	-2.1	0.0	2,354	5	7	6	5	14
	ALLAMAKEE	14,968	1.3	26.8	5,648	4	14	5	6	11
	APPANOOSE	15,007	1.1	43.5	5,508	6	16	7	8	13
	AUDUBON	9,595	-4.4	29.5	3,582	6	7	5	5	12
	BENTON	22,885	1.1	33.4	8,618	5	19	7	5	12
	BLACK HAWK	132,916	1.2	85.0	54,007	4	30	10	6	13
	BOONE	26,470	-0.6	47.1	10,189	6	13	10	7	21
	BREMER	22,737	7.2	31.9	8,875	3	19	13	5	13
	BUCHANAN	21,762	2.5	27.2	7,931	5	18	7	6	17
	BUENA VISTA	20,693	1.7	41.5	8,114	3	13	9	6	13
	BUTLER	16,953	0.9	0.0	5,938	5	16	7	5	11
	CALHOUN	14,292	-3.8	0.0	5,073	6	6	10	6	17
	CARROLL	22,912	1.7	38.0	8,298	6	8	6	7	9
	CASS	17,007	-0.9	43.0	6,881	6	8	7	5	14
	CEDAR	17,655	-2.5	16.3	6,729	6	12	10	5	16
	CERRO GORDO	49,223	-1.5	74.8	20,153	5	17	7	8	11
	CHEROKEE	17,269	-3.3	41.8	6,530	5	11	7	5	18
	CHICKASAW	14,969	2.5	24.5	5,138	5	16	6	5	10
	CLARKE	7,581	4.6	41.4	3,052	5	11	5	7	14
	CLAY	18,464	2.0	55.7	7,228	5	11	6	6	11
	CLAYTON	20,606	1.9	0.0	7,657	6	16	6	6	11
	CLINTON	56,749	2.2	73.7	23,007	5	31	6	6	9
	CRAWFORD	19,116	-4.3	31.2	7,330	5	13	7	6	11
	DALLAS	26,085	3.6	27.3	10,714	5	17	6	5	16
	DAVIS	8,207	4.0	34.7	3,123	4	16	5	6	18
	DECATUR	9,737	-3.5	26.4	3,786	5	7	23	5	12
	DELAWARE	18,770	1.6	25.1	6,517	6	15	7	6	12
	DES MOINES	46,982	-2.4	75.7	20,259	4	36	6	6	11
	DICKINSON	12,565	8.5	25.8	5,120	5	18	6	8	13
	DUBUQUE	90,609	3.7	73.3	34,322	4	32	9	5	7
	EMMET	14,009	-1.2	56.4	5,236	5	18	9	6	14
	FAYETTE	26,898	0.4	38.5	9,999	5	8	10	7	12
	FLOYD	19,860	1.6	46.7	7,330	5	26	7	6	12
	FRANKLIN	13,255	0.6	33.0	5,180	5	9	6	5	13
	FREMONT	9,282	-2.1	0.0	3,738	7	8	7	5	14
	GREENE	12,716	-4.2	37.2	4,973	6	11	7	6	16
	GRUNDY	14,119	-1.0	19.2	5,392	5	18	8	5	12
	GUTHRIE	12,243	6.8	0.0	4,736	6	7	7	6	13
	HAMILTON	18,383	-1.4	46.0	7,563	5	19	7	7	13
	HANCOCK	13,506	-0.5	0.6	5,006	5	14	8	5	13
	HARDIN	22,248	-1.1	41.9	8,659	6	12	8	6	16
	HARRISON	16,240	2.8	22.1	6,176	7	12	6	5	13
	HENRY	18,114	-1.7	38.8	7,779	5	18	11	9	21
	HOWARD	11,442	0.5	33.5	4,157	4	9	8	4	12
	HUMBOLDT	12,519	-1.1	37.3	4,587	5	10	10	6	15
	IDA	9,283	-3.9	0.0	3,518	4	7	8	5	10
	IOWA	15,419	-0.5	0.0	6,459	5	19	6	4	11
	JACKSON	20,839	1.7	27.5	8,060	5	21	6	5	14

STATE	COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
IA	JASPER	35,425	2.3	44.0	14,696	3	32	6	6	11
	JEFFERSON	15,774	-8.2	55.6	6,498	3	26	11	6	13
	JOHNSON	72,127	4.7	73.7	31,862	3	7	28	6	42
	JONES	19,868	0.2	40.1	7,507	4	20	8	4	13
	KEOKUK	13,943	-2.2	0.0	5,245	7	10	7	4	12
	KOSSUTH	22,937	0.2	26.3	8,311	5	11	6	6	8
	LEE	42,996	-4.9	65.9	17,004	4	34	6	6	13
	LINN	163,213	1.9	82.8	69,010	5	34	7	6	9
	LOUISA	10,682	3.6	0.0	4,157	5	29	8	5	14
	LUCAS	10,163	1.4	49.4	3,957	6	11	7	4	16
	LYON	13,340	-1.4	19.3	4,777	5	9	8	6	10
	MADISON	11,558	7.2	31.6	4,538	6	10	4	5	13
	MAHASKA	22,177	-0.3	50.6	8,601	5	16	10	6	14
	MARION	26,352	4.3	54.6	10,178	4	17	11	5	17
	MARSHALL	41,076	4.4	64.2	16,845	4	32	6	6	11
	MILLS	11,832	7.9	36.1	4,362	7	8	13	7	23
	MITCHELL	13,108	-3.3	28.8	4,758	6	11	6	6	13
	MONONA	12,069	-0.8	27.2	4,423	7	6	8	6	15
	MONROE	9,357	-0.7	44.4	3,452	5	22	6	5	16
	MONTGOMERY	12,781	1.3	49.7	5,010	5	15	6	6	11
	MUSCATINE	37,181	5.5	60.4	15,237	4	35	5	6	12
	O\BRIEN	17,522	0.7	26.2	6,324	4	8	10	6	13
	OSCEOLA	8,555	0.0	33.5	2,879	4	12	7	3	13
	PAGE	18,537	3.4	61.0	7,830	6	9	6	5	15
	PALO ALTO	13,289	-0.6	32.6	4,730	4	9	9	6	16
	PLYMOUTH	24,322	-0.3	33.5	8,868	5	10	10	5	12
	POCAHONTAS	12,793	-6.3	0.0	4,411	4	10	7	5	11
	POLK	286,130	4.7	92.8	125,877	5	19	7	7	14
	POTTAWATTAMIE	86,991	-0.4	74.7	34,517	6	16	6	7	11
	POWESHIEK	18,803	7.2	45.3	7,919	4	12	13	5	11
	RINGGOLD	6,373	-3.2	0.0	2,675	4	5	6	5	15
	SAC	15,573	-2.9	21.6	5,640	5	8	7	4	10
	SCOTT	142,687	4.8	88.5	57,197	5	29	7	6	15
	SHELBY	15,528	-1.3	32.5	5,501	7	7	7	6	13
	SIOUX	27,996	4.8	34.0	10,196	5	13	11	5	10
	STORY	62,783	6.9	71.1	26,990	6	6	31	9	42
	TAMA	20,147	1.0	14.9	7,346	5	14	7	5	14
	TAYLOR	8,790	-5.7	0.0	3,391	6	8	5	4	14
	UNION	13,557	-3.9	60.6	5,235	6	12	8	6	18
	VAN BUREN	8,643	-6.6	0.0	3,234	4	24	6	7	19
	WAPELLO	42,149	-6.7	70.5	16,366	3	29	6	7	11
	WARREN	27,432	15.7	39.8	10,964	5	20	9	6	12
	WASHINGTON	18,967	-7.7	33.1	7,419	5	14	8	6	16
	WAYNE	8,405	-0.3	0.0	3,255	5	8	7	4	16
	WEBSTER	48,391	-2.5	64.6	19,415	4	20	6	8	11
	WINNEBAGO	12,990	3.8	28.8	5,335	4	26	10	4	10
	WINNESHIEK	21,758	-0.9	34.3	8,410	5	7	19	5	11
	WOODBURY	103,052	2.4	84.5	41,061	5	17	8	7	11
	WORTH	8,984	-0.5	0.0	3,413	4	20	5	5	10

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
IA	WRIGHT	17,294	-1.9	41.4	6,435	6	12	8	5	13
KS	KANSAS	2,249,071	0.8	66.1	886,624	6	17	9	6	17
	ALLEN	15,043	1.2	43.1	5,704	5	22	6	5	14
	ANDERSON	8,501	-0.2	36.9	3,013	8	13	7	4	18
	ATCHISON	19,165	-3.8	65.6	7,421	5	21	14	5	12
	BARBER	7,016	-3.2	36.0	2,877	7	11	8	5	14
	BARTON	30,663	0.6	62.7	12,347	5	9	4	8	10
	BOURBON	15,215	2.2	58.9	6,359	7	12	5	6	11
	BROWN	11,685	-2.1	28.8	4,370	5	10	6	5	16
	BUTLER	38,658	1.8	47.1	15,421	6	26	7	7	12
	CHASE	3,408	1.6	0.0	1,268	10	4	7	5	22
	CHAUTAUQUA	4,642	0.7	0.0	1,800	5	8	7	6	14
	CHEROKEE	21,549	-1.8	53.9	7,510	5	32	7	7	14
	CHEYENNE	4,256	-4.9	0.0	1,706	5	1	7	6	15
	CLARK	2,896	-1.7	0.0	1,125	5	2	8	4	25
	CLAY	9,890	-1.4	50.2	3,992	7	8	7	6	17
	CLOUD	13,466	-2.9	52.8	5,406	6	6	11	5	14
	COFFEY	7,397	4.1	0.0	2,743	8	5	7	5	17
	COMANCHE	2,702	2.7	0.0	1,108	2	6	5	11	15
	COWLEY	35,012	-3.4	70.8	13,810	5	21	9	6	18
	CRAWFORD	37,850	-2.2	60.1	14,690	5	16	14	6	22
	DECATUR	4,988	-2.7	0.0	1,926	4	4	10	4	18
	DICKINSON	19,993	3.7	49.1	7,673	6	11	7	6	16
	DONIPHAN	9,107	-1.4	13.7	3,380	6	17	8	7	13
	DOUGLAS	57,932	13.3	83.2	23,826	4	17	27	6	35
	EDWARDS	4,581	-1.7	0.0	1,763	5	13	8	4	18
	ELK	3,858	-1.3	0.0	1,528	7	5	6	9	17
	ELLIS	24,730	4.4	62.8	10,471	5	7	18	7	23
	ELLSWORTH	6,146	0.1	0.0	2,383	6	7	6	6	11
	FINNEY	19,029	13.6	77.9	7,473	7	9	11	7	16
	FORD	22,587	4.6	62.5	9,404	7	11	8	7	14
	FRANKLIN	20,007	-0.2	55.2	7,985	8	19	11	5	18
	GEARY	28,111	11.7	83.9	6,777	6	5	8	10	32
	GOVE	3,940	-2.0	0.0	1,418	8	2	6	3	18
	GRAHAM	4,751	-6.0	0.0	1,777	6	2	8	4	18
	GRANT	5,961	12.2	62.2	2,451	7	11	7	6	14
	GRAY	4,516	7.0	0.0	1,762	6	5	10	5	14
	GREELEY	1,819	2.4	0.0	800	3	1	8	4	19
	GREENWOOD	9,141	-4.5	40.7	3,458	9	8	7	8	16
	HAMILTON	2,747	4.0	0.0	1,156	4	0	12	7	23
	HARPER	7,871	-3.8	35.3	3,281	7	6	6	7	17
	HARVEY	27,236	4.8	56.7	11,883	4	23	9	6	9
	HASKELL	3,672	9.6	0.0	1,321	4	5	6	4	14
	HODGEMAN	2,662	-1.8	0.0	973	2	1	5	8	17
	JACKSON	10,342	6.3	29.6	3,851	9	22	4	4	16
	JEFFERSON	11,945	8.8	0.0	4,749	10	19	8	5	20
	JEWELL	6,099	-6.4	0.0	2,215	6	2	5	7	12
	JOHNSON	220,073	6.4	91.8	92,142	5	19	7	5	13
	KEARNY	3,047	8.9	0.0	1,121	5	1	11	5	16

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
KS	KINGMAN	8,866	- 1.1	40.6	3,260	7	11	8	5	17
	KIOWA	4,088	- 4.3	0.0	1,721	4	2	11	6	17
	LABETTE	25,775	- 2.6	50.0	9,617	6	26	6	5	19
	LANE	2,707	- 4.7	0.0	1,030	3	1	5	10	22
	LEAVENWORTH	53,340	2.9	69.4	15,231	6	14	9	6	30
	LINCOLN	4,582	- 4.0	0.0	1,667	6	5	8	5	17
	LINN	7,770	4.6	0.0	2,927	11	12	8	4	18
	LOGAN	3,814	- 2.3	0.0	1,481	8	1	7	8	19
	LYON	32,071	1.3	72.7	13,657	5	14	17	6	23
	MC PHERSON	24,778	1.7	54.4	10,359	6	20	12	6	11
	MARION	13,935	- 1.0	19.6	5,427	5	13	11	5	15
	MARSHALL	13,139	2.4	28.4	4,780	9	4	6	5	16
	MEADE	4,912	0.0	0.0	1,982	5	3	7	6	20
	MIAMI	19,254	7.6	46.1	7,252	9	19	7	3	23
	MITCHELL	8,010	- 2.5	52.3	3,122	5	5	8	6	19
	MONTGOMERY	39,949	- 3.2	70.0	15,250	5	26	6	7	14
	MORRIS	6,432	2.0	0.0	2,545	7	6	7	4	20
	MORTON	3,576	- 3.4	0.0	1,411	4	3	7	6	11
	NEMAHA	11,825	- 3.4	0.0	4,190	6	8	7	5	16
	NEOSHO	18,812	- 3.0	54.9	6,985	6	23	6	5	18
	NESS	4,791	- 4.1	0.0	1,750	4	1	10	5	14
	NORTON	7,279	- 8.2	49.5	2,828	9	3	7	6	24
	OSAGE	13,352	2.6	19.6	4,964	10	11	7	6	20
	OSBORNE	6,416	- 5.5	0.0	2,340	8	4	8	6	16
	OTTAWA	6,183	0.4	0.0	2,370	8	11	8	6	19
	PAWNEE	8,484	1.6	54.3	3,433	4	6	5	7	29
	PHILLIPS	7,888	1.2	41.2	3,101	5	7	7	7	14
	POTTAWATOMIE	11,755	6.8	27.3	4,699	10	8	12	7	21
	PRATT	10,056	- 2.9	67.6	4,124	4	6	9	8	16
	RAWLINS	4,393	- 4.1	0.0	1,684	6	1	9	3	20
	RENO	60,765	2.3	60.7	24,609	5	20	7	7	12
	REPUBLIC	8,498	- 6.6	36.0	3,352	5	4	7	6	16
	RICE	12,320	- 3.0	35.3	4,757	4	10	11	7	14
	RILEY	56,788	8.0	74.5	17,267	5	4	31	7	41
	ROOKS	7,628	- 7.0	32.1	2,736	6	8	7	5	18
	RUSH	5,117	- 2.7	0.0	2,055	6	5	9	5	21
	RUSSELL	9,428	- 5.4	62.5	3,900	5	4	9	9	18
	SALINE	46,592	5.0	80.9	18,087	8	12	9	7	14
	SCOTT	5,606	2.7	72.4	2,325	4	8	8	6	14
	SEDGWICK	350,694	- 2.2	90.5	145,182	5	27	7	6	13
	SEWARD	15,744	3.2	85.0	6,784	4	12	7	8	12
	SHAWNEE	155,322	- 2.4	85.0	61,800	6	14	7	6	22
	SHERIDAN	3,859	- 0.9	0.0	1,400	5	1	9	5	22
	SHERMAN	7,792	4.9	69.3	3,264	7	4	4	9	13
	SMITH	6,757	- 2.6	0.0	2,746	4	4	7	6	11
	STAFFORD	5,943	- 1.2	0.0	2,422	5	5	7	8	16
	STANTON	2,287	10.1	0.0	819	4	1	11	3	20
	STEVENS	4,198	9.4	67.6	1,661	5	1	11	5	15
	SUMNER	23,553	- 1.5	38.2	8,766	4	22	7	5	16

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KS	THOMAS	7,501	7.7	64.6	3,223	4	3	12	8	17
	TREGO	4,436	-0.8	0.0	1,819	5	1	7	6	12
	WABAUNSEE	6,397	3.8	0.0	2,281	9	9	6	4	18
	WALLACE	2,215	-5.4	0.0	881	2	2	9	6	20
	WASHINGTON	9,249	-4.3	0.0	3,424	7	3	6	4	13
	WICHITA	3,274	4.9	0.0	1,210	7	2	11	8	21
	WILSON	11,317	-0.8	56.8	4,355	7	28	6	6	13
	WOODSON	4,789	-11.1	0.0	1,673	7	6	5	6	17
	WYANDOTTE	186,845	-4.8	92.0	77,020	6	23	5	7	15
KY	KENTUCKY	3,220,711	5.4	52.4	1,141,594	7	25	8	7	15
	ADAIR	13,037	10.3	24.8	4,375	8	21	5	6	11
	ALLEN	12,598	7.6	28.1	5,046	5	32	4	6	10
	ANDERSON	9,358	15.0	38.2	3,897	6	39	5	6	17
	BALLARD	8,276	1.3	0.0	2,873	15	24	5	6	13
	BARREN	28,677	7.2	39.4	11,327	7	23	4	6	10
	BATH	9,235	0.3	0.0	2,894	11	24	6	7	18
	BELL	31,121	5.3	48.2	8,243	6	16	10	7	17
	BOONE	32,812	13.0	37.8	12,840	7	25	6	6	12
	BOURBON	18,476	2.3	42.3	7,539	6	23	5	7	14
	BOYD	52,376	-0.2	72.5	17,973	7	31	5	7	10
	BOYLE	21,861	4.1	54.7	8,876	5	25	9	8	12
	BRACKEN	7,227	3.1	0.0	2,467	6	27	5	4	8
	BREATHITT	14,221	10.2	0.0	3,172	10	7	26	5	35
	BRECKINRIDGE	14,789	2.4	0.0	5,083	8	21	5	6	16
	BULLITT	26,090	28.5	10.6	9,095	7	43	4	5	10
	BUTLER	9,723	3.7	0.0	3,166	10	35	5	5	15
	CALDWELL	13,179	2.1	46.1	4,864	7	29	6	6	16
	CALLOWAY	27,692	5.0	48.9	10,388	6	20	22	8	30
	CAMPBELL	88,704	-4.2	87.2	33,472	6	28	5	7	9
	CARLISLE	5,354	3.8	0.0	1,917	10	33	3	6	15
	CARROLL	8,523	1.2	45.6	3,244	6	31	4	5	17
	CARTER	19,850	9.2	0.0	5,641	10	30	8	6	14
	CASEY	12,930	8.9	0.0	4,024	7	27	6	4	12
	CHRISTIAN	56,224	24.2	62.0	15,589	5	21	6	9	18
	CLARK	24,090	9.7	55.6	9,458	6	27	5	6	15
	CLAY	18,481	12.9	0.0	3,488	11	7	15	5	28
	CLINTON	8,174	5.2	0.0	2,710	3	28	9	5	18
	CRITTENDEN	8,493	5.8	36.7	3,138	9	26	5	4	14
	CUMBERLAND	6,850	-0.4	0.0	2,305	6	25	7	7	14
	DAVIESS	79,486	2.2	67.1	31,213	8	29	7	8	10
	EDMONSON	8,751	8.9	0.0	2,705	16	34	5	5	17
	ELLIOTT	5,933	-3.3	0.0	1,457	27	11	12	6	32
	ESTILL	12,752	4.1	22.8	3,537	11	29	4	6	17
	FAYETTE	174,323	8.8	91.7	73,433	5	16	12	8	24
	FLEMING	11,366	5.4	0.0	4,091	9	23	5	5	14
	FLOYD	35,889	11.7	9.5	9,498	10	9	10	6	20
	FRANKLIN	34,481	8.2	61.9	15,275	9	22	7	5	37
	FULTON	10,183	-6.6	61.2	3,672	5	26	4	10	11
	GALLATIN	4,134	5.7	0.0	1,334	10	25	7	4	13

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
KY	GARRARD	9,457	6.2	34.8	3,561	9	28	5	5	12
	GRANT	9,999	17.1	0.0	3,677	8	18	6	8	13
	GRAVES	30,939	4.5	34.7	12,116	8	35	4	7	11
	GRAYSON	16,445	10.8	19.1	5,355	12	23	6	5	15
	GREEN	10,350	4.4	0.0	4,016	7	29	4	4	10
	GREENUP	33,192	1.6	46.8	10,378	5	29	5	4	8
	HANCOCK	7,080	4.1	0.0	2,432	19	39	7	3	11
	HARDIN	78,421	-8.2	69.0	16,174	7	15	7	10	28
	HARLAN	37,370	6.5	17.8	9,166	6	7	11	7	17
	HARRISON	14,158	2.8	44.9	5,532	5	30	4	6	10
	HART	13,980	5.3	0.0	4,940	6	21	6	6	13
	HENDERSON	36,031	2.4	63.8	13,922	6	33	5	7	10
	HENRY	10,910	5.5	0.0	4,200	4	26	5	5	16
	HICKMAN	6,264	3.8	0.0	2,371	8	28	4	8	12
	HOPKINS	38,167	12.4	47.4	13,686	7	12	5	6	16
	JACKSON	10,005	4.6	0.0	2,688	9	14	11	4	29
	JEFFERSON	695,055	0.8	94.7	279,663	5	32	6	7	12
	JESSAMINE	17,430	26.8	53.1	7,260	8	17	17	6	13
	JOHNSON	17,539	16.9	22.1	4,851	11	10	10	6	18
	KENTON	129,440	0.8	86.1	50,635	5	25	5	7	11
	KNOTT	14,698	14.3	0.0	3,102	13	5	19	5	30
	KNOX	23,689	11.2	20.0	5,981	9	18	12	9	21
	LARUE	10,672	8.8	24.0	3,677	7	24	6	6	17
	LAUREL	27,386	14.1	15.8	7,817	10	18	8	7	16
	LAWRENCE	10,726	12.7	0.0	2,781	11	20	8	5	19
	LEE	6,587	5.6	0.0	1,570	12	11	10	7	31
	LESLIE	11,623	7.3	0.0	2,180	7	5	14	6	33
	LETCHER	23,165	14.8	11.0	5,347	5	4	9	6	16
	LEWIS	12,355	2.6	0.0	3,986	8	35	7	3	11
	LINCOLN	16,663	5.9	0.0	5,789	8	28	6	5	11
	LIVINGSTON	7,596	14.0	0.0	2,630	11	26	4	6	15
	LOGAN	21,793	1.5	29.6	8,387	5	35	4	7	11
	LYON	5,562	5.4	0.0	1,806	10	37	6	3	18
	MC CRACKEN	58,281	3.4	60.7	22,676	7	19	7	8	15
	MC CREARY	12,548	14.0	0.0	2,582	7	25	15	8	28
	MC LEAN	9,062	12.7	0.0	3,290	9	28	4	5	14
	MADISON	42,730	10.9	55.7	17,197	6	17	21	7	23
	MAGOFFIN	10,443	9.0	0.0	1,819	15	6	15	4	35
	MARION	16,714	-1.0	32.5	5,445	5	30	7	5	8
	MARSHALL	20,381	9.3	17.5	7,499	12	36	4	7	13
	MARTIN	9,377	14.7	0.0	2,193	12	7	17	5	35
	MASON	17,273	-2.6	42.9	6,553	5	27	6	7	10
	MEADE	18,796	-5.3	31.9	4,213	7	22	8	7	29
	MENIFEE	4,050	7.5	0.0	1,022	8	38	8	1	22
	MERCER	15,960	10.2	42.2	6,690	8	26	6	7	13
	METCALFE	8,177	2.8	0.0	2,816	4	24	5	6	16
	MONROE	11,642	3.8	0.0	3,990	6	28	7	5	14
	MONTGOMERY	15,364	12.0	33.1	5,718	8	33	5	7	11
	MORGAN	10,019	5.2	0.0	2,695	12	17	10	5	25

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
KY	MUHLENBERG	27,537	9.9	26.6	8,744	5	18	5	4	16
	NELSON	23,477	3.9	24.8	7,760	8	32	9	6	11
	NICHOLAS	6,508	4.1	0.0	2,636	6	29	5	3	15
	OHIO	18,790	6.6	14.0	6,384	9	25	5	6	11
	OLDHAM	14,687	25.1	0.0	5,009	8	21	5	6	17
	OWEN	7,470	5.2	0.0	2,635	7	15	5	7	20
	OWSLEY	5,023	3.8	0.0	1,012	15	3	15	2	43
	PENDLETON	9,949	4.2	26.5	3,398	7	28	6	4	14
	PERRY	26,259	6.5	21.2	6,338	6	3	9	6	23
	PIKE	61,059	12.6	7.5	16,170	7	4	9	5	16
	POWELL	7,704	11.2	0.0	2,299	14	30	7	6	26
	PULASKI	35,234	14.4	29.6	11,593	6	23	7	8	15
	ROBERTSON	2,163	5.6	0.0	822	9	14	3	2	20
	ROCKCASTLE	12,305	4.0	0.0	3,380	9	22	9	5	23
	ROWAN	17,010	0.4	42.3	5,553	10	12	25	5	35
	RUSSELL	10,542	8.7	0.0	2,986	11	25	10	7	20
	SCOTT	17,948	5.4	48.1	7,163	5	25	10	6	12
	SHELBY	18,999	3.6	22.0	7,453	8	18	5	8	14
	SIMPSON	13,054	8.1	49.4	5,217	6	41	3	5	8
	SPENCER	5,488	4.2	0.0	1,854	3	32	5	1	12
	TAYLOR	17,138	6.4	44.3	7,026	7	34	6	6	8
	TODD	10,823	1.8	0.0	3,859	5	28	5	7	14
	TRIGG	8,620	4.2	0.0	3,198	10	22	3	6	17
	TRIMBLE	5,349	4.7	0.0	1,864	6	28	5	5	15
	UNION	15,882	3.4	22.4	5,113	8	13	12	8	16
	WARREN	57,884	7.7	63.1	23,273	7	23	13	8	18
	WASHINGTON	10,728	-2.8	27.6	3,848	4	26	7	6	11
	WAYNE	14,268	9.2	27.5	4,071	9	24	7	5	14
	WEBSTER	13,282	6.1	32.5	4,175	8	24	6	5	15
	WHITLEY	24,145	17.5	40.8	6,300	10	18	10	10	16
	WOLFE	5,669	7.2	0.0	1,147	6	17	16	6	33
	WOODFORD	14,434	15.2	39.3	5,921	5	26	7	8	15
LA	LOUISIANA	3,644,637	4.1	66.1	1,224,186	8	15	8	10	17
	ACADIA	52,109	1.9	56.6	15,748	7	11	7	9	15
	ALLEN	20,794	-3.5	35.1	6,038	9	23	6	9	17
	ASCENSION	37,086	8.2	32.3	11,420	13	24	7	9	14
	ASSUMPTION	19,654	1.7	0.0	5,291	11	21	6	6	12
	AVOYELLES	37,751	-0.6	26.1	10,806	13	8	8	11	17
	BEAUREGARD	22,888	12.0	35.6	6,927	10	18	8	7	24
	BIENVILLE	16,024	3.4	18.6	4,957	8	33	6	11	17
	BOSSIER	65,877	6.2	66.0	18,812	6	18	6	10	19
	CADDO	230,184	3.6	85.4	86,965	6	18	7	12	14
	CALCASIEU	145,415	3.5	74.6	50,545	10	19	9	9	15
	CALDWELL	9,354	7.7	0.0	2,849	10	13	7	11	18
	CAMERON	8,194	8.8	0.0	2,734	6	11	5	6	15
	CATAHOULA	11,769	-5.6	23.5	3,276	9	12	9	11	19
	CLAIBORNE	17,024	-4.6	46.6	5,351	6	23	7	11	19
	CONCORDIA	22,578	-6.4	47.7	7,276	7	15	9	10	14
	DE SOTO	22,764	0.1	28.3	6,939	6	27	8	14	12

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LA	EAST BATON ROUGE	285,167	9.2	66.8	107,422	9	17	13	10	22
	EAST CARROLL	12,864	- 7.5	46.0	3,412	5	5	9	13	16
	EAST FELICIANA	17,657	- 6.3	26.6	4,723	7	19	5	9	37
	EVANGELINE	31,932	- 0.6	40.6	8,937	7	11	8	10	15
	FRANKLIN	23,946	- 3.4	22.3	6,792	8	10	9	8	17
	GRANT	13,671	4.5	0.0	3,848	11	15	10	8	33
	IBERIA	57,397	7.0	63.5	18,456	6	12	6	10	12
	IBERVILLE	30,746	- 1.2	33.8	8,863	13	17	8	10	18
	JACKSON	15,963	- 0.6	31.9	5,526	6	42	7	9	14
	JEFFERSON	338,229	17.0	95.9	127,048	8	15	6	7	12
	JEFFERSON DAVIS	29,554	1.0	63.0	9,239	8	8	8	9	14
	LAFAYETTE	111,643	12.2	72.0	39,184	7	5	10	11	16
	LAFOURCHE	68,941	4.5	39.0	21,900	8	15	9	7	13
	LA SALLE	13,295	8.8	0.0	4,080	6	23	6	9	12
	LINCOLN	33,800	6.9	64.4	12,069	6	11	29	9	37
	LIVINGSTON	36,511	16.0	18.5	11,649	18	17	8	7	20
	MADISON	15,065	- 4.3	63.3	4,157	6	13	8	11	16
	MOREHOUSE	32,463	- 1.8	45.3	9,726	5	29	7	10	13
	NATCHITOCHES	35,219	1.4	45.4	10,915	8	7	20	12	33
	ORLEANS	593,471	- 4.9	99.7	221,532	5	11	8	12	17
	OUACHITA	115,387	8.8	78.7	41,595	7	15	9	11	17
	PLAQUEMINES	25,225	2.8	28.9	8,229	12	10	6	6	14
	POINTE COUPEE	22,002	- 2.0	17.9	6,084	16	12	7	10	23
	RAPIDES	118,078	2.9	52.1	37,345	7	12	9	10	24
	RED RIVER	9,226	0.0	0.0	2,945	8	21	7	9	16
	RICHLAND	21,774	0.1	31.5	6,225	9	13	9	10	17
	SABINE	18,638	4.6	16.7	5,137	7	28	7	9	16
	ST BERNARD	51,185	13.0	91.6	18,423	10	21	4	5	14
	ST CHARLES	29,550	8.3	26.9	9,297	8	32	7	8	10
	ST HELENA	9,937	- 6.3	0.0	2,663	13	14	13	6	31
	ST JAMES	19,733	- 0.7	32.9	5,329	6	44	9	4	18
	ST JOHN THE BAPTIST	23,813	3.5	51.9	6,682	10	36	7	5	11
	ST LANDRY	80,364	- 1.2	39.1	22,120	14	6	9	10	15
	ST MARTIN	32,453	5.1	37.2	8,971	15	8	6	9	14
	ST MARY	60,752	- 0.3	65.3	20,094	7	13	5	10	10
	ST TAMMANY	63,585	20.2	36.9	20,825	10	20	7	10	14
	TANGIPAHOA	65,875	7.1	35.5	20,516	10	15	11	9	20
	TENSAS	9,732	- 13.0	0.0	2,525	4	7	4	17	14
	TERREBONNE	76,049	9.6	52.6	23,737	6	11	6	8	10
	UNION	18,447	4.7	18.5	6,006	9	26	8	10	15
	VERMILION	43,071	2.7	38.4	13,325	9	8	7	10	16
	VERNON	53,794	- 7.5	60.9	7,440	8	10	8	8	35
	WASHINGTON	41,987	0.0	52.4	13,222	7	27	8	8	18
	WEBSTER	39,939	- 0.8	51.2	14,184	6	37	8	10	18
	WEST BATON ROUGE	16,864	3.7	39.7	4,982	13	23	6	9	14
	WEST CARROLL	13,028	- 2.2	0.0	3,604	12	13	7	7	16
	WEST FELICIANA	10,761	- 14.3	0.0	1,929	4	31	6	8	27
	WINN	16,369	- 2.1	43.6	5,138	7	36	6	9	16
ME	MAINE	993,722	6.6	50.9	381,714	6	31	8	6	15

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ME	ANDROSCOGGIN	91,279	3.6	74.9	38,527	6	41	6	5	9
	AROOSTOOK	94,078	2.4	50.5	29,901	5	21	9	6	18
	CUMBERLAND	192,528	5.2	62.8	77,704	6	22	8	7	14
	FRANKLIN	22,444	9.5	13.8	8,889	4	49	8	7	12
	HANCOCK	34,590	13.2	13.3	12,701	12	19	8	9	15
	KENNEBEC	95,306	5.7	60.5	37,849	6	26	8	6	20
	KNOX	29,013	9.7	41.5	10,894	6	26	6	9	14
	LINCOLN	20,537	12.4	0.0	7,847	10	22	6	7	18
	OXFORD	43,457	3.4	21.9	16,568	5	48	8	5	11
	PENOBSCOT	125,393	7.5	61.4	47,221	5	26	13	6	18
	PISCATAQUIS	16,285	2.0	19.0	6,388	4	43	6	6	13
	SAGADAHOC	23,452	13.0	52.7	9,068	6	39	6	5	14
	SOMERSET	40,597	6.8	41.0	15,748	5	47	6	5	9
	WALDO	23,328	13.4	25.4	8,760	8	32	7	6	13
	WASHINGTON	29,859	9.9	13.5	10,200	7	31	5	7	16
	YORK	111,576	8.7	56.8	43,449	6	44	7	5	16
MD	MARYLAND	3,923,897	4.4	76.6	1,590,094	6	19	8	7	25
	ALLEGANY	84,044	- 1.2	52.6	30,682	5	31	8	6	15
	ANNE ARUNDEL	298,042	12.9	67.3	110,773	8	19	8	6	28
	BALTIMORE	620,409	2.4	88.6	266,209	6	27	7	5	17
	CALVERT	20,682	26.6	0.0	7,398	22	4	7	8	24
	CAROLINE	19,781	9.3	0.0	7,714	8	29	6	6	13
	CARROLL	69,006	18.1	10.4	27,994	10	30	6	5	16
	CECIL	53,291	4.4	19.9	18,390	8	32	7	5	21
	CHARLES	47,678	23.9	16.0	16,528	11	13	6	7	37
	DORCHESTER	29,405	0.5	39.4	12,959	6	38	4	5	14
	FREDERICK	84,927	13.0	32.0	34,763	11	18	8	5	21
	GARRETT	21,476	6.9	0.0	6,949	10	20	7	6	18
	HARFORD	115,378	17.3	51.8	40,729	7	21	8	5	32
	HOWARD	62,394	55.2	34.8	24,475	9	16	9	7	26
	KENT	16,146	2.6	21.5	6,765	9	20	10	7	11
	MONTGOMERY	522,809	7.9	89.2	220,003	5	7	8	9	33
	PRINCE GEORGES	661,719	2.5	92.3	275,980	6	7	9	7	39
	QUEEN ANNES	18,422	8.4	0.0	7,715	11	19	8	8	18
	ST MARYS	47,388	5.3	19.3	12,491	11	5	12	7	38
	SOMERSET	18,924	2.8	16.2	7,282	7	26	7	6	17
	TALBOT	23,682	7.7	28.8	10,197	10	16	6	11	11
	WASHINGTON	103,829	3.3	40.4	40,939	7	32	5	5	13
	WICOMICO	54,236	9.0	28.1	23,420	7	24	7	7	14
	WORCESTER	24,442	8.5	14.6	9,916	9	22	4	12	12
	BALTIMORE CITY	905,787	- 6.0	0.0	369,823	5	25	7	8	20
MA	MASSACHUSETTS	5,689,170	2.2	84.6	2,389,419	5	29	8	6	14
	BARNSTABLE	96,656	34.1	41.3	33,623	13	7	7	10	17
	BERKSHIRE	149,402	- 0.3	69.8	61,680	5	39	9	6	11
	BRISTOL	444,301	4.4	82.7	191,530	5	42	6	4	12
	DUKES	6,117	31.3	0.0	2,449	19	6	4	11	15
	ESSEX	637,887	- 1.1	89.5	270,567	4	34	7	5	14
	FRANKLIN	59,210	7.3	39.9	24,920	7	28	14	5	17
	HAMPDEN	459,050	1.0	89.5	188,442	4	35	7	5	13

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MA	HAMPSHIRE	123,981	7.8	69.0	50,502	5	25	21	5	24
	MIDDLESEX	1,398,397	0.0	91.3	593,645	5	26	10	6	14
	NANTUCKET	3,774	50.0	0.0	1,606	17	3	4	15	12
	NORFOLK	604,854	2.5	68.5	253,600	5	22	9	6	15
	PLYMOUTH	333,314	13.9	60.9	130,687	7	26	7	6	15
	SUFFOLK	735,190	-1.7	0.0	318,991	4	18	7	7	17
	WORCESTER	637,037	1.7	71.9	266,777	4	38	7	5	12
MI	MICHIGAN	8,881,826	3.1	73.9	3,455,346	4	35	8	6	13
	ALCONA	7,113	19.7	0.0	2,074	12	22	8	4	23
	ALGER	8,568	2.9	44.3	2,989	5	35	7	5	19
	ALLEGAN	66,575	7.6	22.6	25,432	6	41	6	5	10
	ALPENA	30,708	7.8	45.0	10,312	4	29	11	5	19
	ANTRIM	12,612	19.3	0.0	4,389	5	40	5	6	14
	ARENAC	11,149	19.4	0.0	3,879	8	33	7	4	13
	BARAGA	7,789	2.9	35.5	2,510	5	26	7	3	26
	BARRY	38,166	7.6	17.0	14,483	5	44	6	5	11
	BAY	117,339	2.0	66.9	43,868	5	39	6	4	9
	BENZIE	8,593	15.5	0.0	3,161	9	20	10	6	15
	BERRIEN	163,940	4.2	46.6	66,769	5	43	7	5	9
	BRANCH	37,906	0.0	24.0	14,212	6	33	5	4	16
	CALHOUN	141,963	-0.5	59.6	58,415	3	36	7	5	14
	CASS	43,312	5.4	20.2	17,336	5	50	5	4	8
	CHARLEVOIX	16,541	11.3	40.6	6,342	7	31	6	8	13
	CHEBOYGAN	16,573	16.5	35.9	5,598	6	24	8	8	16
	CHIPPEWA	32,412	11.5	66.2	9,000	9	5	13	7	34
	CLARE	16,695	27.5	16.3	5,558	9	28	8	5	13
	CLINTON	48,492	9.7	21.3	18,521	7	31	7	4	15
	CRAWFORD	6,482	24.8	0.0	2,342	7	22	7	11	20
	DELTA	35,924	10.0	57.4	12,244	6	26	7	6	13
	DICKINSON	23,753	5.7	71.6	8,197	7	21	7	6	16
	EATON	68,892	9.9	42.4	27,330	6	34	9	5	17
	EMMET	18,331	16.4	34.2	6,835	9	15	7	10	14
	GENESEE	445,589	1.1	77.3	168,389	3	46	7	5	11
	GLADWIN	13,471	23.0	0.0	4,424	7	40	5	7	11
	GOGEBIC	20,676	0.0	68.9	6,897	3	17	7	5	17
	GRAND TRAVERSE	39,175	15.1	46.1	14,743	6	17	7	6	17
	GRATIOT	39,246	1.3	42.4	14,770	5	31	9	5	9
	HILLSDALE	37,171	9.5	20.8	14,659	4	37	8	5	13
	HOUGHTON	34,652	6.0	39.7	10,658	6	8	23	6	26
	HURON	34,083	4.5	8.8	11,652	5	29	7	5	11
	INGHAM	261,039	3.8	85.7	111,542	5	21	19	6	30
	IONIA	45,848	2.8	33.4	16,544	5	40	5	5	15
	IOSCO	24,905	15.5	41.8	6,070	9	14	8	8	22
	IRON	13,813	3.4	19.4	4,533	6	8	8	7	25
	ISABELLA	44,594	14.0	46.0	16,833	4	15	25	6	33
	JACKSON	143,274	2.7	54.9	55,326	4	35	7	5	12
	KALAMAZOO	201,550	0.8	75.4	82,997	4	33	12	5	17
	KALKASKA	5,372	49.4	0.0	1,657	13	27	7	7	18
	KENT	411,044	3.9	83.2	166,035	4	31	7	7	9

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
MI	KEWEENAW	2,264	-6.1	0.0	605	4	18	6	4	34
	LAKE	5,661	16.2	0.0	1,816	8	21	7	8	30
	LAPEER	52,361	18.3	12.0	18,040	4	41	6	4	16
	LEELANAU	10,872	13.0	0.0	3,864	12	15	7	9	15
	LENAWEE	81,951	5.8	40.2	32,959	4	43	8	5	9
	LIVINGSTON	58,967	33.1	11.0	22,166	8	34	7	6	12
	LUCE	6,789	7.7	0.0	2,183	5	7	5	6	46
	MACKINAC	9,660	10.2	29.9	3,056	11	7	10	9	33
	MACOMB	626,204	6.9	92.2	240,015	4	42	6	5	10
	MANISTEE	20,393	6.1	38.4	7,508	4	39	6	5	14
	MARQUETTE	64,686	8.7	65.3	20,986	3	6	16	6	27
	MASON	22,612	8.2	39.9	8,623	7	33	7	5	13
	MECOSTA	27,992	25.9	42.9	10,275	5	20	24	5	30
	MENOMINEE	24,587	3.6	43.7	8,720	5	37	6	4	12
	MIDLAND	63,769	5.8	54.8	23,470	5	45	8	6	11
	MISSAUKEE	7,126	22.7	0.0	2,472	8	22	10	7	14
	MONROE	119,215	6.1	34.8	44,086	6	41	6	4	9
	MONTCALM	39,660	11.6	18.9	15,064	5	41	6	4	10
	MONTMORENCY	5,247	31.9	0.0	1,579	12	29	8	4	22
	MUSKEGON	157,426	-0.4	69.2	60,084	3	44	6	5	11
	NEWAYGO	27,992	10.7	12.4	9,631	6	35	8	5	12
	OAKLAND	907,871	6.6	90.0	363,526	5	34	8	6	11
	OCEANA	17,984	16.3	0.0	6,330	6	38	6	5	15
	OGEMAW	11,903	24.6	0.0	3,653	11	20	5	5	16
	ONTONAGON	10,548	7.0	0.0	3,626	4	14	10	3	18
	OSCEOLA	14,838	16.4	0.0	5,522	4	38	7	4	13
	OSCODA	4,726	29.7	0.0	1,444	9	17	11	13	26
	OTSEGO	10,422	28.6	28.9	3,922	6	22	6	11	15
	OTTAWA	128,181	9.6	48.5	50,183	6	36	8	5	10
	PRESQUE ISLE	12,836	9.9	33.3	3,794	6	12	8	5	16
	ROSCOMMON	9,892	45.2	0.0	3,031	11	15	8	7	21
	SAGINAW	219,743	3.2	69.6	80,572	4	38	6	5	10
	ST CLAIR	119,280	9.4	46.1	44,456	6	35	6	5	10
	ST JOSEPH	47,392	8.0	35.1	19,211	4	49	5	4	10
	SANILAC	35,181	9.5	0.0	12,764	6	34	5	5	11
	SCHOOLCRAFT	8,226	4.8	52.5	2,623	5	13	8	7	24
	SHIAWASSEE	63,075	10.5	37.6	24,248	4	42	7	4	10
	TUSCOLA	48,603	10.5	13.4	16,788	5	39	6	4	15
	VAN BUREN	56,173	10.5	21.6	21,147	6	40	6	5	11
	WASHTENAW	234,103	9.5	78.3	102,749	4	23	23	5	30
	WAYNE	2,670,368	-5.0	98.2	1,061,985	3	37	6	7	12
	WEXFORD	19,717	11.5	51.0	7,039	7	30	7	7	15
MN	MINNESOTA	3,806,103	3.1	66.4	1,528,436	5	21	8	7	15
	AITKIN	11,403	10.9	0.0	3,826	5	15	9	8	19
	ANOKA	154,712	19.8	87.8	60,775	7	33	6	6	12
	BECKER	24,372	7.5	23.6	7,942	9	9	7	7	16
	BELTRAMI	26,373	13.4	43.4	9,375	6	7	21	6	37
	BENTON	20,841	6.1	44.2	7,701	6	20	10	5	16
	BIG STONE	7,941	0.0	35.9	2,949	5	6	8	6	16

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
MN	BLUE EARTH	52,322	-0.5	59.0	21,601	5	15	15	5	19
	BROWN	28,887	2.8	65.8	11,048	5	22	7	6	9
	CARLTON	28,072	1.5	31.4	9,997	5	37	7	4	17
	CARVER	28,331	20.0	32.5	11,476	7	28	7	6	8
	CASS	17,323	15.2	0.0	5,221	7	12	8	8	25
	CHIPPEWA	15,109	0.1	41.1	5,564	5	7	8	6	13
	CHISAGO	17,492	25.5	0.0	6,367	8	24	7	5	18
	CLAY	46,608	1.4	68.7	18,683	5	6	18	7	17
	CLEARWATER	8,013	7.7	0.0	2,864	5	12	10	5	21
	COOK	3,423	6.2	0.0	1,373	9	7	8	11	33
	COTTONWOOD	14,887	6.1	25.7	5,593	5	14	8	5	12
	CROW WING	34,826	12.9	33.5	11,925	8	14	8	6	23
	DAKOTA	139,808	24.7	84.5	54,912	6	27	7	5	13
	DODGE	13,037	2.6	0.0	5,127	5	16	7	8	11
	DOUGLAS	22,910	8.3	30.5	8,751	6	9	8	7	14
	FARIBAULT	20,896	-2.8	32.3	7,517	6	16	8	5	12
	FILLMORE	21,916	0.0	11.7	8,329	5	10	6	6	13
	FREEBORN	38,064	-3.8	51.0	14,971	5	28	6	6	8
	GOODHUE	34,804	7.3	30.2	13,732	5	24	7	5	13
	GRANT	7,462	-1.0	0.0	2,512	5	5	10	4	16
	HENNEPIN	960,080	-3.6	98.4	433,510	5	21	8	9	13
	HOUSTON	17,556	0.4	32.8	6,946	7	17	6	5	11
	HUBBARD	10,583	9.7	26.2	3,405	8	9	10	9	24
	ISANTI	16,560	24.1	20.9	5,995	8	23	8	5	23
	ITASCA	35,530	5.8	20.4	11,866	6	14	11	6	24
	JACKSON	14,352	1.4	24.7	5,175	4	10	8	5	14
	KANABEC	9,775	15.9	26.4	3,804	8	21	6	7	19
	KANDIYOHI	30,548	6.8	42.1	11,788	6	11	7	4	16
	KITTSON	6,853	0.9	0.0	2,470	5	7	8	5	18
	KOOCHICHING	17,131	2.1	37.7	6,181	3	40	9	7	18
	LAC QUI PARLE	11,164	-2.0	0.0	3,947	5	5	7	5	14
	LAKE	13,351	6.2	58.8	4,713	4	8	7	4	18
	LAKE OF THE WOODS	3,987	6.3	0.0	1,217	7	16	8	9	25
	LE SUEUR	21,332	3.8	22.1	7,815	7	26	7	5	13
	LINCOLN	8,143	4.5	0.0	2,811	4	3	6	5	13
	LYON	24,273	1.0	51.5	9,483	6	9	12	5	18
	MC LEOD	27,662	4.8	43.5	11,322	5	31	6	4	10
	MAHNOMEN	5,638	0.2	0.0	1,874	5	10	10	6	19
	MARSHALL	13,060	2.8	0.0	4,467	6	10	9	5	15
	MARTIN	24,316	3.5	44.2	9,331	5	17	7	6	10
	MEEKER	18,387	9.2	28.0	6,787	6	22	6	4	12
	MILLE LACS	15,703	13.2	17.0	5,546	7	19	9	5	17
	MORRISON	26,949	3.5	27.7	9,066	6	17	9	4	16
	MOWER	44,919	-4.5	57.2	16,909	4	33	8	6	11
	MURRAY	12,508	-7.1	0.0	4,145	4	6	6	5	12
	NICOLLET	24,518	-5.2	63.3	9,552	4	17	15	5	17
	NOBLES	23,208	-1.3	42.3	8,731	4	14	9	5	13
	NORMAN	10,008	-4.9	0.0	3,361	5	7	6	5	14
	OLMSTED	84,104	5.2	[illegible]	36,173	5	16	6	8	11

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MN	OTTER TAIL	46,097	5.6	27.0	16,901	5	9	7	6	16
	PENNINGTON	13,266	9.7	63.7	5,469	4	16	6	6	15
	PINE	16,821	11.4	0.0	6,016	7	15	7	4	24
	PIPESTONE	12,791	-6.0	41.7	4,663	3	7	11	8	17
	POLK	34,435	2.4	46.3	12,618	5	10	9	6	16
	POPE	11,107	-1.3	22.9	4,150	5	9	7	6	15
	RAMSEY	476,255	-3.9	99.7	204,450	5	26	9	6	16
	RED LAKE	5,388	-4.1	0.0	1,757	3	20	10	4	20
	REDWOOD	20,024	-3.2	24.1	6,941	5	8	8	6	15
	RENVILLE	21,139	-2.0	12.1	7,521	6	11	7	4	14
	RICE	41,582	4.9	64.3	16,261	5	15	22	5	18
	ROCK	11,346	-0.4	41.5	4,239	4	13	7	5	12
	ROSEAU	11,569	5.5	22.1	4,173	5	24	9	5	20
	ST LOUIS	220,693	-2.6	71.9	81,613	5	14	9	6	17
	SCOTT	32,423	23.4	37.4	12,394	8	30	6	4	10
	SHERBURNE	18,344	43.4	21.4	6,514	8	22	12	5	20
	SIBLEY	15,845	-1.4	0.0	6,147	5	21	6	4	11
	STEARNS	95,400	7.2	45.0	33,779	5	18	12	5	16
	STEELE	26,931	6.0	57.0	11,295	5	28	7	5	12
	STEVENS	11,218	-1.0	48.5	4,221	6	4	19	7	30
	SWIFT	13,177	-0.6	26.4	4,795	4	12	8	5	16
	TODD	22,114	5.9	11.9	7,638	4	13	9	4	12
	TRAVERSE	6,254	3.7	0.0	2,152	5	3	9	6	20
	WABASHA	17,224	5.7	20.4	6,482	6	20	6	6	12
	WADENA	12,412	9.7	37.4	4,043	6	8	9	6	18
	WASECA	16,663	2.4	41.0	6,566	4	32	6	4	11
	WASHINGTON	83,003	23.7	69.0	31,180	7	31	6	5	13
	WATONWAN	13,298	-5.6	30.2	4,961	5	17	8	6	12
	WILKIN	9,389	-6.3	43.7	3,224	4	4	8	5	12
	WINONA	44,409	1.5	59.4	18,193	5	24	15	6	14
	WRIGHT	38,933	19.9	8.4	14,485	8	23	6	8	11
	YELLOW MEDICINE	14,523	-2.6	17.9	5,074	5	9	9	3	19
MS	MISSISSIPPI	2,216,994	5.8	44.5	756,487	7	25	9	9	18
	ADAMS	37,293	3.7	52.8	12,815	4	24	9	11	13
	ALCORN	27,179	6.2	42.6	10,536	5	42	4	7	12
	AMITE	13,763	-5.8	0.0	4,253	7	34	8	6	16
	ATTALA	19,570	-2.9	37.1	6,573	7	32	6	9	14
	BENTON	7,505	-3.0	0.0	2,407	5	35	11	7	23
	BOLIVAR	49,409	-2.2	42.1	15,388	5	17	15	9	21
	CALHOUN	14,623	5.0	0.0	5,139	5	40	5	7	12
	CARROLL	9,397	-8.2	0.0	2,998	8	23	6	6	17
	CHICKASAW	16,805	3.8	34.0	6,071	4	47	5	7	9
	CHOCTAW	8,440	7.7	0.0	2,699	9	43	8	6	17
	CLAIBORNE	10,086	7.0	26.3	2,992	4	30	20	9	25
	CLARKE	15,049	0.7	18.5	5,248	5	39	8	8	15
	CLAY	18,840	3.3	45.2	6,742	5	34	11	11	13
	COAHOMA	40,447	-5.1	53.6	11,935	4	12	13	13	23
	COPIAH	24,764	3.1	35.0	7,931	7	32	8	9	15
	COVINGTON	14,002	2.7	0.0	4,577	12	30	7	6	16

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MS	DE SOTO	35,865	35.1	24.9	11,982	7	29	4	8	10
	FORREST	57,849	4.4	77.7	21,488	6	17	14	10	20
	FRANKLIN	8,011	4.0	0.0	2,546	8	30	9	9	17
	GEORGE	12,459	9.8	0.0	3,977	11	36	8	3	16
	GREENE	8,545	3.6	0.0	2,596	7	42	10	6	18
	GRENADA	19,854	1.8	50.1	7,522	6	36	4	9	11
	HANCOCK	17,387	4.4	57.8	5,851	15	19	10	7	21
	HARRISON	134,582	9.1	83.2	39,508	11	12	7	11	25
	HINDS	214,973	7.6	83.9	84,729	7	13	9	11	20
	HOLMES	23,120	-0.6	23.8	6,429	6	16	12	9	20
	HUMPHREYS	14,601	-4.1	21.2	4,143	6	10	8	10	15
	ISSAQUENA	2,737	-14.7	0.0	789	2	9	6	4	19
	ITAWAMBA	16,847	6.9	17.2	6,742	8	50	6	5	11
	JACKSON	87,975	20.2	71.6	30,634	8	41	7	6	15
	JASPER	15,994	3.1	0.0	4,825	9	34	8	5	15
	JEFFERSON	9,295	-7.6	0.0	2,308	10	24	9	8	24
	JEFFERSON DAVIS	12,936	-0.2	0.0	3,815	8	24	9	8	20
	JONES	56,357	4.2	51.1	19,618	7	24	7	9	15
	KEMPER	10,233	-0.1	0.0	2,916	8	26	10	7	21
	LAFAYETTE	24,181	12.4	57.5	8,200	6	11	29	11	40
	LAMAR	15,209	20.0	2.1	4,996	13	29	7	6	16
	LAUDERDALE	67,087	7.5	67.2	23,714	6	19	7	11	17
	LAWRENCE	11,137	6.9	0.0	3,329	9	31	8	8	15
	LEAKE	17,085	3.3	17.7	5,628	10	32	6	6	16
	LEE	46,148	12.0	44.4	19,176	5	33	4	8	11
	LEFLORE	42,111	-2.8	53.2	14,357	5	16	12	11	19
	LINCOLN	26,198	1.8	40.8	9,302	8	27	7	9	13
	LOWNDES	49,700	9.1	60.3	17,456	5	26	11	12	19
	MADISON	29,737	10.2	35.3	9,213	5	29	10	9	16
	MARION	22,871	5.2	32.8	7,293	10	29	6	7	14
	MARSHALL	24,027	14.6	23.8	6,914	8	29	11	7	16
	MONROE	34,043	0.9	39.4	13,264	4	46	4	7	10
	MONTGOMERY	12,918	3.6	42.5	4,516	4	35	4	8	14
	NESHOBA	20,802	8.8	30.6	7,487	8	36	7	6	19
	NEWTON	18,983	4.5	18.7	6,808	8	32	8	7	16
	NOXUBEE	14,288	-10.3	20.1	4,350	5	22	5	14	11
	OKTIBBEHA	28,752	9.1	55.9	10,001	5	14	34	10	42
	PANOLA	26,829	2.9	14.1	8,924	7	28	6	9	15
	PEARL RIVER	27,802	-0.6	37.6	9,589	12	31	7	9	14
	PERRY	9,065	9.1	0.0	2,964	9	38	9	4	18
	PIKE	31,813	6.7	37.3	10,761	6	24	7	10	15
	PONTOTOC	17,363	12.3	19.9	6,313	7	39	5	8	13
	PRENTISS	20,133	4.0	29.3	8,153	7	44	6	6	13
	QUITMAN	15,888	-9.7	16.4	4,432	5	21	10	10	17
	RANKIN	43,933	29.8	27.8	15,543	9	19	4	8	20
	SCOTT	21,369	3.2	31.4	7,237	7	40	5	5	10
	SHARKEY	8,937	-10.0	0.0	2,769	4	10	11	10	21
	SIMPSON	19,947	6.4	14.6	6,752	8	33	4	6	16
	SMITH	13,561	7.3	0.0	4,711	7	33	4	5	13

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MS	STONE	8,101	3.8	36.2	2,880	11	27	13	6	20
	SUNFLOWER	37,047	- 4.0	31.4	10,695	4	15	12	11	20
	TALLAHATCHIE	19,338	- 7.0	13.6	5,250	4	19	7	11	17
	TATE	18,544	10.9	22.9	6,005	7	27	10	10	16
	TIPPAH	15,852	11.2	22.0	5,944	6	36	8	6	13
	TISHOMINGO	14,940	4.0	0.0	5,572	7	45	6	7	14
	TUNICA	11,854	- 9.0	0.0	3,005	5	13	9	12	14
	UNION	19,096	6.2	33.7	7,251	5	40	6	6	14
	WALTHALL	12,500	1.1	0.0	4,048	9	27	7	6	17
	WARREN	44,981	5.5	56.9	16,440	14	20	7	10	24
	WASHINGTON	70,581	- 0.1	69.3	23,778	7	19	9	11	17
	WAYNE	16,650	6.0	26.2	5,213	8	31	7	7	15
	WEBSTER	10,047	0.9	0.0	3,371	5	40	7	7	13
	WILKINSON	11,099	- 12.3	0.0	3,416	7	32	7	9	15
	WINSTON	18,406	7.4	35.7	5,907	7	39	5	8	11
	YALOBUSHA	11,915	4.4	30.2	4,171	7	34	9	10	18
	YAZOO	27,314	- 3.4	39.5	8,665	5	20	6	13	15
MO	MISSOURI	4,677,623	1.8	70.1	1,845,402	5	24	7	7	14
	ADAIR	22,472	8.5	68.4	9,706	5	14	19	6	23
	ANDREW	11,913	11.1	27.9	4,457	8	15	6	6	13
	ATCHISON	9,240	0.7	27.2	3,807	7	9	15	6	11
	AUDRAIN	25,362	1.1	58.9	10,176	4	33	6	5	10
	BARRY	19,597	9.0	21.2	7,019	5	30	5	7	9
	BARTON	10,431	4.6	36.0	3,917	5	14	5	7	12
	BATES	15,468	3.1	25.8	5,800	8	14	5	6	14
	BENTON	9,695	18.2	0.0	3,378	6	16	4	6	11
	BOLLINGER	8,820	9.7	0.0	2,711	9	34	5	3	10
	BOONE	80,935	9.0	77.8	35,886	5	6	31	6	41
	BUCHANAN	86,915	- 0.5	87.6	34,005	5	27	4	7	11
	BUTLER	33,529	9.3	49.7	11,026	6	15	7	8	15
	CALDWELL	8,351	7.0	0.0	3,005	6	15	9	6	16
	CALLAWAY	25,991	4.7	47.1	9,828	6	17	11	4	29
	CAMDEN	13,315	19.8	0.0	4,474	15	11	5	13	11
	CAPE GIRARDEAU	49,350	5.3	74.6	20,403	7	19	11	7	15
	CARROLL	12,565	- 2.9	38.4	4,686	7	19	5	7	12
	CARTER	3,878	15.1	0.0	1,202	7	30	7	5	22
	CASS	39,448	20.8	44.7	14,770	8	27	6	5	16
	CEDAR	9,424	12.2	33.1	3,303	11	23	7	5	15
	CHARITON	11,084	- 4.6	0.0	4,202	7	15	7	6	11
	CHRISTIAN	15,124	27.2	0.0	5,759	9	32	6	5	10
	CLARK	8,260	- 1.5	0.0	2,939	6	24	6	3	11
	CLAY	123,702	6.9	90.2	54,217	5	23	6	5	11
	CLINTON	12,462	13.5	26.5	4,729	5	18	5	7	12
	COLE	46,228	9.3	69.8	19,168	10	10	8	7	34
	COOPER	14,732	- 1.2	50.4	5,870	5	20	9	4	14
	CRAWFORD	14,828	8.6	6.9	5,016	6	31	5	4	9
	DADE	6,850	6.1	0.0	2,501	8	13	6	5	19
	DALLAS	10,054	15.3	0.0	2,866	9	17	6	8	11
	DAVIESS	8,420	3.7	0.0	3,052	6	15	7	6	13

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
MO	DE KALB	7,305	5.4	6.1	2,556	10	10	7	5	16
	DENT	11,457	14.1	36.8	4,042	7	26	6	6	14
	DOUGLAS	9,268	17.8	27.0	3,117	4	26	6	5	9
	DUNKLIN	33,742	7.0	44.7	11,099	5	23	8	8	15
	FRANKLIN	55,127	14.3	43.3	21,408	10	35	5	4	8
	GASCONADE	11,878	7.9	23.6	4,796	7	39	5	5	10
	GENTRY	8,060	0.7	0.0	3,045	5	12	7	6	18
	GREENE	152,929	9.9	79.3	62,674	6	20	8	8	12
	GRUNDY	11,819	- 5.0	51.3	4,622	5	18	6	6	11
	HARRISON	10,257	- 2.1	29.5	3,695	6	7	7	6	12
	HENRY	18,451	1.9	56.0	6,868	7	16	5	7	10
	HICKORY	4,481	34.9	0.0	1,363	9	7	7	6	17
	HOLT	6,654	1.1	0.0	2,553	4	5	6	5	9
	HOWARD	10,561	- 2.1	33.3	4,146	8	12	12	6	15
	HOWELL	27,521	13.1	29.3	8,220	7	27	6	7	13
	IRON	9,529	6.5	0.0	2,894	7	25	6	2	10
	JACKSON	654,178	- 2.4	96.7	287,811	5	23	5	8	15
	JASPER	79,852	3.7	68.6	31,061	5	28	6	7	10
	JEFFERSON	105,248	14.0	16.8	39,688	8	35	5	5	9
	JOHNSON	34,172	0.1	52.6	11,626	5	14	25	6	34
	KNOX	5,692	- 3.1	0.0	2,002	4	12	6	5	14
	LACLEDE	19,944	8.5	43.2	7,217	6	27	4	7	15
	LAFAYETTE	26,626	6.4	47.9	10,953	6	25	9	5	16
	LAWRENCE	24,585	11.4	39.2	9,214	6	27	5	6	17
	LEWIS	10,993	- 2.8	24.4	4,186	5	19	11	6	11
	LINCOLN	18,041	9.9	14.1	6,519	10	27	5	5	12
	LINN	15,125	- 0.7	53.6	6,154	4	22	5	5	10
	LIVINGSTON	15,368	1.7	60.5	6,314	6	17	7	5	14
	MC DONALD	12,357	25.9	0.0	4,392	7	33	4	5	10
	MACON	15,432	2.4	34.7	6,002	7	19	6	5	17
	MADISON	8,641	5.2	48.2	2,732	8	25	6	4	15
	MARIES	6,851	2.4	0.0	2,661	10	30	8	4	20
	MARION	28,121	- 0.7	76.5	11,167	6	23	6	7	12
	MERCER	4,910	- 3.6	0.0	1,743	4	6	9	5	13
	MILLER	15,026	8.5	23.5	5,708	9	15	6	9	20
	MISSISSIPPI	16,647	- 2.8	49.0	5,160	6	18	8	9	14
	MONITEAU	10,742	6.9	28.3	4,155	9	26	5	4	15
	MONROE	9,542	3.8	0.0	3,455	5	19	6	6	10
	MONTGOMERY	11,000	3.3	0.0	3,850	5	26	5	5	11
	MORGAN	10,083	20.9	0.0	3,636	8	23	6	10	10
	NEW MADRID	23,420	2.1	27.5	6,930	7	18	11	7	17
	NEWTON	32,981	6.9	29.7	12,022	7	30	6	7	10
	NODAWAY	22,467	- 4.6	43.8	8,885	7	6	16	5	24
	OREGON	9,180	6.8	0.0	2,783	8	21	7	5	14
	OSAGE	10,994	10.7	0.0	3,965	8	23	7	5	18
	OZARK	6,226	14.9	0.0	2,108	10	18	6	12	14
	PEMISCOT	26,373	- 5.1	40.5	7,890	5	18	10	7	19
	PERRY	14,393	4.7	35.8	5,270	6	31	5	4	8
	PETTIS	34,137	3.5	66.9	13,182	6	21	5	8	11

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
MO	PHELPS	29,567	3.5	54.9	10,464	8	9	19	6	35
	PIKE	16,928	1.2	44.6	6,212	5	26	6	6	13
	PLATTE	32,081	18.1	43.0	12,995	6	16	6	5	10
	POLK	15,415	15.5	30.9	5,521	9	14	11	5	10
	PULASKI	53,967	-26.2	69.2	7,303	6	11	10	10	34
	PUTNAM	5,916	4.7	0.0	2,124	8	12	5	4	18
	RALLS	7,764	9.5	2.7	2,764	7	26	7	5	14
	RANDOLPH	22,434	3.6	56.5	8,230	5	15	6	6	14
	RAY	17,599	7.5	28.7	6,482	9	29	6	4	14
	REYNOLDS	6,106	4.2	0.0	1,647	10	22	8	3	17
	RIPLEY	9,803	21.6	0.0	2,738	3	26	8	7	17
	ST CHARLES	92,954	21.9	48.5	36,710	8	34	7	5	9
	ST CLAIR	7,667	23.0	0.0	2,663	7	9	7	6	17
	ST FRANCOIS	36,875	4.9	48.1	12,822	7	17	7	6	16
	ST LOUIS	951,671	1.3	95.8	398,024	5	27	8	6	12
	STE GENEVIEVE	12,867	5.1	34.7	4,343	9	36	5	4	9
	SALINE	24,837	-3.5	58.5	9,982	6	23	9	5	19
	SCHUYLER	4,665	6.6	0.0	1,768	4	19	4	3	12
	SCOTLAND	5,499	-0.3	0.0	1,731	6	7	6	4	15
	SCOTT	33,250	5.7	51.8	12,285	8	21	7	7	13
	SHANNON	7,196	4.5	0.0	2,283	5	45	6	4	17
	SHELBY	7,906	-2.6	0.0	2,905	6	13	5	6	12
	STODDARD	25,771	5.1	23.4	8,711	8	27	7	6	12
	STONE	9,921	26.1	0.0	3,723	9	26	7	9	10
	SULLIVAN	7,572	-0.8	0.0	2,797	4	16	3	4	11
	TANEY	13,023	32.7	0.0	4,821	8	8	20	9	11
	TEXAS	18,320	12.3	0.0	6,074	6	31	7	5	19
	VERNON	19,065	4.9	51.9	7,001	6	9	9	6	25
	WARREN	9,699	25.3	0.0	3,557	10	32	6	3	11
	WASHINGTON	15,086	6.4	18.8	4,411	6	22	9	5	14
	WAYNE	8,546	17.5	0.0	2,340	7	26	5	9	14
	WEBSTER	15,562	16.4	19.0	5,374	7	28	5	6	12
	WORTH	3,359	-2.8	0.0	1,207	5	12	9	3	16
	WRIGHT	13,667	7.8	25.9	4,387	6	28	5	6	12
	ST LOUIS CITY	622,236	-14.2	0.0	247,586	3	27	5	9	16
MT	MONTANA	694,409	7.8	53.6	260,649	6	9	10	7	20
	BEAVERHEAD	8,187	1.8	56.5	3,310	6	4	13	7	24
	BIG HORN	10,057	8.8	27.0	3,317	5	10	11	3	29
	BLAINE	6,727	1.0	0.0	2,327	6	2	11	6	21
	BROADWATER	2,526	11.9	0.0	920	4	10	6	4	18
	CARBON	7,080	8.8	0.0	2,524	4	5	9	9	16
	CARTER	1,956	-3.8	0.0	825	2	2	10	2	21
	CASCADE	81,804	3.5	86.9	28,101	6	12	8	8	18
	CHOUTEAU	6,473	-3.5	0.0	2,479	3	2	10	3	18
	CUSTER	12,174	-1.2	73.9	4,684	7	2	7	9	21
	DANIELS	3,083	-3.0	0.0	1,094	3	0	6	7	16
	DAWSON	11,269	-8.1	58.7	4,371	6	3	7	8	15
	DEER LODGE	15,652	-2.7	62.4	5,686	2	33	6	5	28
	FALLON	4,050	-0.3	68.4	1,536	6	1	7	9	13

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MT	FERGUS	12,611	2.0	53.0	4,554	4	5	6	6	17
	FLATHEAD	39,460	12.1	41.8	13,613	7	23	7	7	15
	GALLATIN	32,505	19.4	57.4	12,828	5	6	27	7	34
	GARFIELD	1,796	- 12.9	0.0	735	8	2	10	7	19
	GLACIER	10,783	7.4	36.2	3,582	6	2	9	7	26
	GOLDEN VALLEY	931	- 0.4	0.0	387	9	0	9	6	23
	GRANITE	2,737	- 1.9	0.0	999	14	19	7	6	21
	HILL	17,358	3.0	60.4	6,511	3	3	11	6	21
	JEFFERSON	5,238	38.4	0.0	1,768	11	4	11	5	41
	JUDITH BASIN	2,667	2.1	0.0	1,018	4	0	8	3	18
	LAKE	14,445	17.6	0.0	4,821	4	12	9	7	18
	LEWIS AND CLARK	33,281	10.9	68.3	14,710	9	5	9	6	32
	LIBERTY	2,359	4.9	0.0	867	2	1	13	5	25
	LINCOLN	18,063	- 12.7	18.1	6,697	20	27	6	5	15
	MC CONE	2,875	- 6.6	0.0	1,054	1	1	8	3	15
	MADISON	5,014	15.2	0.0	2,003	7	1	5	7	21
	MEAGHER	2,122	3.6	0.0	862	1	19	6	5	15
	MINERAL	2,958	18.1	0.0	1,216	7	24	17	5	31
	MISSOULA	58,263	14.3	74.6	23,104	6	12	16	8	24
	MUSSELSHELL	3,734	8.9	0.0	1,440	6	3	5	11	14
	PARK	11,197	7.3	63.1	4,488	4	5	7	10	15
	PETROLEUM	675	- 2.4	0.0	261	6	0	9	3	21
	PHILLIPS	5,386	1.3	0.0	2,032	4	1	8	5	19
	PONDERA	6,611	4.6	47.1	2,492	4	3	8	5	17
	POWDER RIVER	2,862	- 18.8	0.0	1,148	5	0	3	4	9
	POWELL	6,660	11.7	67.7	2,446	3	13	6	5	28
	PRAIRIE	1,752	7.6	0.0	735	6	1	4	5	18
	RAVALLI	14,409	28.3	0.0	5,261	5	13	6	7	23
	RICHLAND	9,837	- 1.1	47.3	3,463	3	7	8	6	15
	ROOSEVELT	10,365	- 3.5	30.3	3,506	6	3	9	8	26
	ROSEBUD	6,032	42.4	0.0	2,346	5	7	11	3	24
	SANDERS	7,093	13.5	0.0	2,480	4	21	10	7	25
	SHERIDAN	5,779	- 7.1	0.0	2,003	5	1	7	8	15
	SILVER BOW	41,981	3.0	81.2	15,483	4	6	7	6	15
	STILLWATER	4,632	13.5	0.0	1,617	8	6	7	5	14
	SWEET GRASS	2,980	- 0.9	0.0	1,276	7	3	6	7	14
	TETON	6,116	6.7	0.0	2,187	5	4	10	5	16
	TOOLE	5,839	- 8.3	53.3	2,191	2	4	8	9	22
	TREASURE	1,069	14.2	0.0	385	7	1	13	3	27
	VALLEY	11,471	16.0	40.5	4,252	6	11	9	5	20
	WHEATLAND	2,529	- 8.1	0.0	1,096	1	2	8	10	16
	WIBAUX	1,465	- 0.5	0.0	538	1	2	5	5	22
	YELLOWSTONE	87,367	11.5	86.6	34,996	6	8	9	9	14
	YELLOWSTONE NATIONAL	64	0.0	0.0	24	0	0	0	0	0
NB	NEBRASKA	1,485,333	3.8	61.6	592,142	5	13	8	7	15
	ADAMS	30,553	- 2.6	77.1	12,802	5	16	8	7	18
	ANTELOPE	9,047	2.8	0.0	3,268	5	4	7	5	13
	ARTHUR	606	- 6.6	0.0	214	6	1	5	5	8
	BANNER	1,034	- 9.1	0.0	378	5	2	12	1	20

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NB	BLAINE	847	- 0.6	0.0	326	0	0	5	1	22
	BOONE	8,190	- 0.3	0.0	2,879	3	4	8	3	15
	BOX BUTTE	10,094	1.0	69.9	3,759	3	3	8	7	14
	BOYD	3,752	- 6.2	0.0	1,335	4	1	9	5	16
	BROWN	4,021	1.1	0.0	1,511	8	3	7	6	19
	BUFFALO	31,222	0.7	61.4	13,184	6	13	11	7	17
	BURT	9,247	- 4.0	0.0	3,498	5	8	5	5	12
	BUTLER	9,461	- 5.4	0.0	3,318	5	13	6	5	12
	CASS	18,076	7.1	35.2	6,341	6	20	6	5	14
	CEDAR	12,192	- 4.8	0.0	4,024	4	4	9	5	11
	CHASE	4,129	6.4	0.0	1,592	7	2	8	7	21
	CHERRY	6,846	1.5	40.0	2,750	3	1	6	7	12
	CHEYENNE	10,778	0.2	59.1	4,125	5	5	7	9	15
	CLAY	8,266	- 0.4	0.0	2,779	8	6	9	8	15
	COLFAX	9,498	2.1	37.3	3,353	4	14	7	6	11
	CUMING	12,034	- 2.9	28.1	4,451	4	10	6	6	8
	CUSTER	14,092	- 0.1	26.5	5,443	4	9	7	4	15
	DAKOTA	13,137	12.0	60.3	5,013	6	23	5	7	8
	DAWES	9,761	- 5.3	60.1	3,886	5	2	19	7	29
	DAWSON	19,771	4.5	65.6	7,819	5	20	6	7	11
	DEUEL	2,717	- 4.0	0.0	1,135	6	4	9	7	19
	DIXON	7,453	- 6.8	0.0	2,935	7	12	9	6	17
	DODGE	34,782	4.1	66.0	14,312	6	22	6	7	11
	DOUGLAS	389,455	5.5	95.9	161,734	6	17	7	7	13
	DUNDY	2,926	- 4.2	0.0	1,133	4	4	8	1	21
	FILLMORE	8,137	- 2.7	0.0	3,036	6	3	6	6	15
	FRANKLIN	4,566	- 0.5	0.0	1,871	6	3	7	7	18
	FRONTIER	3,982	- 3.1	0.0	1,602	3	2	9	4	17
	FURNAS	6,897	1.0	0.0	2,425	6	3	6	7	10
	GAGE	25,731	- 7.6	48.2	9,717	5	13	7	6	17
	GARDEN	2,929	- 4.0	0.0	1,083	4	13	4	4	13
	GARFIELD	2,411	9.6	0.0	1,121	3	5	5	10	13
	GOSPER	2,178	4.5	0.0	721	10	6	4	3	11
	GRANT	1,019	- 7.8	0.0	352	3	0	9	10	17
	GREELEY	4,000	- 3.7	0.0	1,438	3	7	6	8	9
	HALL	42,851	5.3	73.0	17,947	5	20	5	8	13
	HAMILTON	8,867	- 1.8	35.4	3,207	6	9	5	5	17
	HARLAN	4,357	0.1	0.0	1,731	5	7	7	7	17
	HAYES	1,530	0.6	0.0	511	4	1	14	2	14
	HITCHCOCK	4,051	3.5	0.0	1,387	4	7	8	5	18
	HOLT	12,933	0.3	30.3	4,571	3	2	6	6	10
	HOOKER	939	5.4	0.0	430	10	5	6	14	14
	HOWARD	6,807	- 1.5	0.0	2,334	5	8	7	4	18
	JEFFERSON	10,436	1.6	51.1	4,158	7	8	7	7	14
	JOHNSON	5,743	- 2.9	0.0	2,260	7	14	6	7	15
	KEARNEY	6,707	3.0	38.9	2,639	4	7	8	6	14
	KEITH	8,487	9.2	58.1	3,643	6	19	6	10	13
	KEYA PAHA	1,340	- 1.5	0.0	430	2	4	12	2	16
	KIMBALL	6,009	- 7.1	56.5	2,522	8	7	8	8	15

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NB	KNOX	11,723	- 5.0	0.0	3,646	4	3	5	3	10
	LANCASTER	167,972	10.4	91.3	77,507	6	12	14	7	25
	LINCOLN	29,538	14.9	65.8	11,733	6	5	6	8	13
	LOGAN	991	3.9	0.0	435	7	4	8	3	15
	LOUP	854	6.7	0.0	310	10	3	7	1	17
	MC PHERSON	623	1.8	0.0	217	4	2	15	0	6
	MADISON	27,402	5.5	60.5	11,345	5	15	6	7	14
	MERRICK	8,751	2.4	31.6	3,411	5	12	7	5	13
	MORRILL	5,813	4.5	0.0	2,173	2	8	6	4	12
	NANCE	5,142	- 5.6	0.0	1,759	4	6	6	5	12
	NEMAHA	8,976	- 13.0	40.4	3,618	9	12	14	5	19
	NUCKOLLS	7,404	- 7.1	35.1	2,832	5	9	6	5	12
	OTOE	15,576	- 2.6	47.8	6,572	6	18	7	6	11
	PAWNEE	4,473	- 5.3	0.0	1,736	5	7	12	3	21
	PERKINS	3,423	- 3.3	0.0	1,435	5	3	9	6	16
	PHELPS	9,553	4.0	63.6	4,052	5	14	6	7	12
	PIERCE	8,493	1.2	0.0	3,202	6	4	7	4	10
	PLATTE	26,544	6.5	58.4	10,969	4	29	5	5	9
	POLK	6,468	- 2.9	0.0	2,528	5	6	8	6	15
	RED WILLOW	12,191	4.1	68.9	4,822	7	10	8	7	15
	RICHARDSON	12,277	- 6.7	44.0	4,775	5	13	6	6	12
	ROCK	2,231	3.9	0.0	923	4	0	7	8	19
	SALINE	12,809	- 1.7	35.1	4,908	6	17	12	5	17
	SARPY	66,200	13.6	84.6	16,979	6	16	8	7	17
	SAUNDERS	17,018	5.7	22.5	6,278	7	14	6	5	11
	SCOTTS BLUFF	36,432	- 0.8	55.2	14,756	4	13	9	7	13
	SEWARD	14,460	4.2	36.6	6,107	6	8	20	5	13
	SHERIDAN	7,285	- 1.0	0.0	2,713	2	3	9	6	15
	SHERMAN	4,725	- 5.9	0.0	1,814	5	10	9	3	20
	SIOUX	2,034	0.8	0.0	716	3	2	4	3	8
	STANTON	5,758	12.3	0.0	2,046	3	7	4	3	10
	THAYER	7,779	- 4.0	0.0	2,853	5	2	7	5	12
	THOMAS	954	1.5	0.0	305	7	2	4	7	16
	THURSTON	6,942	4.5	0.0	2,452	4	13	9	6	25
	VALLEY	5,783	- 8.8	0.0	2,161	5	6	8	7	17
	WASHINGTON	13,310	10.1	45.9	5,345	7	15	9	6	7
	WAYNE	10,400	- 15.5	50.5	4,054	5	3	16	5	24
	WEBSTER	5,396	- 6.5	0.0	1,982	5	6	7	7	17
	WHEELER	1,051	1.7	0.0	405	4	2	4	7	8
	YORK	13,685	4.1	49.5	5,635	6	13	6	6	12
NV	NEVADA	488,738	21.1	80.9	208,996	8	5	6	22	18
	CHURCHILL	10,513	11.4	28.1	3,577	9	5	7	8	27
	CLARK	273,288	21.7	94.5	113,669	8	4	5	30	14
	DOUGLAS	6,882	67.3	0.0	3,431	7	3	3	12	12
	ELKO	13,958	9.5	54.6	5,975	6	1	6	14	22
	ESMERALDA	629	18.9	0.0	221	24	22	1	12	24
	EUREKA	948	13.1	0.0	444	10	0	7	6	20
	HUMBOLDT	6,375	15.1	55.5	2,733	9	2	8	16	21
	LANDER	2,666	12.3	0.0	1,050	2	2	7	8	23

STATE	COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
NV	LINCOLN	2,557	-3.4	0.0	931	9	1	15	6	39
	LYON	8,221	24.5	0.0	3,130	7	7	7	7	18
	MINERAL	7,051	-9.9	49.4	2,898	1	9	6	5	60
	NYE	5,599	-4.3	0.0	2,465	16	2	4	19	25
	ORMSBY	0	0.0	0.0	0	0	0	0	0	0
	PERSHING	2,670	7.8	0.0	1,111	3	4	5	8	18
	STOREY	695	43.2	0.0	374	13	2	3	6	15
	WASHOE	121,068	20.0	82.2	56,542	7	5	7	11	18
	WHITE PINE	10,150	-1.2	41.1	3,964	4	22	6	6	17
	CARSON CITY CITY	15,468	63.4	0.0	6,481	16	5	8	9	47
NH	NEW HAMPSHIRE	737,681	10.8	56.5	304,713	6	35	8	6	14
	BELKNAP	32,367	11.4	46.0	13,485	8	31	8	5	15
	CARROLL	18,548	22.4	0.0	7,566	11	16	6	14	15
	CHESHIRE	52,364	8.7	39.1	22,904	7	37	8	6	11
	COOS	34,291	3.4	44.5	13,155	4	43	6	6	12
	GRAFTON	54,914	7.9	42.1	22,618	7	23	16	8	13
	HILLSBOROUGH	223,941	8.9	71.4	94,265	6	38	5	5	10
	MERRIMACK	80,925	9.9	52.7	33,277	7	28	8	6	17
	ROCKINGHAM	138,951	16.5	46.6	54,596	7	33	7	6	16
	STRAFFORD	70,431	13.2	82.3	29,757	4	44	12	4	22
	SULLIVAN	30,949	6.5	56.6	13,090	5	44	5	5	9
NJ	NEW JERSEY	7,171,112	2.0	88.9	2,972,561	5	32	6	7	13
	ATLANTIC	175,043	8.4	81.1	69,440	8	16	5	11	17
	BERGEN	897,148	-2.8	99.7	397,907	5	29	6	7	10
	BURLINGTON	323,132	5.6	80.5	111,180	5	29	7	6	18
	CAMDEN	456,291	4.5	95.9	183,289	6	30	5	7	13
	CAPE MAY	59,554	21.1	61.8	19,955	12	11	7	7	22
	CUMBERLAND	121,374	9.5	73.5	49,773	5	41	6	5	13
	ESSEX	932,526	-5.1	0.0	391,962	4	30	6	8	14
	GLOUCESTER	172,681	8.8	70.6	66,695	7	33	7	5	14
	HUDSON	607,839	-4.1	0.0	267,319	3	34	4	7	12
	HUNTERDON	69,718	11.8	15.6	28,309	7	31	7	6	15
	MERCER	304,116	5.4	83.9	132,107	5	27	10	8	21
	MIDDLESEX	583,813	1.0	95.4	247,422	5	38	7	5	13
	MONMOUTH	461,849	5.4	61.8	169,624	6	22	7	7	17
	MORRIS	383,454	2.2	82.4	157,073	5	33	7	8	15
	OCEAN	208,470	42.4	44.3	69,114	10	18	8	6	17
	PASSAIC	460,782	-1.8	96.3	201,116	5	39	5	7	10
	SALEM	60,346	3.7	54.0	24,104	5	44	6	5	11
	SOMERSET	198,372	0.5	76.4	83,377	5	36	8	6	12
	SUSSEX	77,528	26.3	38.5	30,297	7	27	7	6	16
	UNION	543,116	-4.4	0.0	242,307	4	35	6	7	11
	WARREN	73,960	8.8	58.4	30,191	6	42	6	5	11
NM	NEW MEXICO	1,017,055	12.8	70.0	342,482	7	6	11	11	27
	BERNALILLO	315,774	15.6	94.2	115,646	7	7	10	14	24
	CATRON	2,198	6.7	0.0	749	9	8	8	6	35
	CHAVES	43,335	11.2	78.3	15,496	6	8	10	9	19
	COLFAX	12,170	6.4	59.5	4,337	10	9	6	8	24
	CURRY	39,517	9.4	86.4	11,307	6	6	7	10	19

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
NM	DE BACA	2,547	2.1	0.0	831	4	1	5	4	20
	DONA ANA	69,773	14.7	66.4	23,024	6	6	17	9	37
	EDDY	41,119	3.2	76.8	14,901	5	4	9	9	15
	GRANT	22,030	11.5	48.2	7,358	5	5	11	7	21
	GUADALUPE	4,969	-2.2	0.0	1,295	12	2	10	12	20
	HARDING	1,348	-8.8	0.0	452	6	10	19	3	21
	HIDALGO	4,734	19.5	75.2	1,561	4	0	9	9	22
	LEA	49,554	3.2	81.5	19,015	6	5	6	9	11
	LINCOLN	7,560	25.8	0.0	2,853	8	3	6	12	29
	LOS ALAMOS	15,198	4.6	99.7	6,425	2	2	16	7	70
	LUNA	11,706	23.6	69.8	4,004	12	5	7	11	18
	MC KINLEY	43,208	18.4	42.9	12,072	5	9	15	6	37
	MORA	4,673	4.7	0.0	916	18	2	13	5	36
	OTERO	41,097	3.9	83.3	11,086	5	10	9	13	37
	QUAY	10,903	4.1	68.0	4,141	6	4	7	12	19
	RIO ARRIBA	25,170	11.1	15.1	6,658	13	5	17	11	44
	ROOSEVELT	16,479	-1.4	64.0	6,113	5	5	23	6	30
	SANDOVAL	17,492	29.0	0.0	4,350	11	14	15	12	32
	SAN JUAN	52,517	24.4	48.3	16,393	9	9	12	7	24
	SAN MIGUEL	21,951	7.0	63.2	6,025	10	2	20	7	45
	SANTA FE	54,774	13.1	77.5	19,553	11	3	12	10	35
	SIERRA	7,189	17.7	70.5	2,286	10	3	5	7	27
	SOCORRO	9,763	0.1	48.6	2,953	7	8	22	5	40
	TAOS	17,516	10.1	0.0	4,874	6	5	13	13	25
	TORRANCE	5,290	20.4	0.0	1,576	11	1	13	5	36
	UNION	4,925	-0.8	63.7	1,825	7	2	9	10	20
	VALENCIA	40,576	13.4	33.5	12,407	7	6	9	7	24
NY	NEW YORK	18,241,391	-0.7	85.6	7,421,579	4	24	8	8	16
	ALBANY	286,742	0.7	85.7	122,798	6	15	10	6	29
	ALLEGANY	46,458	7.1	20.5	17,088	6	26	16	5	16
	BRONX	1,471,701	-6.4	0.0	552,442	4	20	5	9	17
	BROOME	221,815	-1.6	73.3	90,320	5	37	8	6	16
	CATTARAUGUS	81,666	3.4	35.7	31,032	5	32	9	5	17
	CAYUGA	77,439	0.4	44.7	30,166	5	33	9	5	16
	CHAUTAUQUA	147,305	-0.3	54.7	58,452	5	34	8	5	14
	CHEMUNG	101,537	-1.4	74.3	39,377	5	34	7	5	13
	CHENANGO	46,368	0.4	19.1	18,380	6	35	8	5	15
	CLINTON	72,934	14.1	40.5	22,855	7	15	15	6	29
	COLUMBIA	51,519	7.0	17.4	19,925	8	25	7	6	16
	CORTLAND	45,894	4.6	51.9	18,392	5	33	13	6	19
	DELAWARE	44,718	5.3	25.8	17,340	7	23	11	6	20
	DUTCHESS	222,295	5.6	42.8	84,934	6	32	9	6	19
	ERIE	1,113,491	-2.0	87.9	442,867	4	31	8	5	16
	ESSEX	34,631	1.3	22.0	12,785	11	14	9	12	21
	FRANKLIN	43,931	1.1	40.0	14,864	6	20	12	7	20
	FULTON	52,637	3.6	56.7	22,734	4	45	7	5	13
	GENESEE	58,722	2.9	38.3	23,817	6	36	7	4	14
	GREENE	33,136	15.3	16.0	12,310	11	22	7	8	21
	HAMILTON	4,714	4.7	0.0	1,671	21	14	10	11	38

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
NY	HERKIMER	67,407	1.5	52.8	27,481	4	44	6	4	13
	JEFFERSON	88,508	1.9	39.2	33,582	6	23	8	6	17
	KINGS	2,602,012	-6.4	0.0	1,012,423	3	22	5	8	17
	LEWIS	23,644	6.2	15.5	8,488	6	28	9	6	20
	LIVINGSTON	54,041	6.0	33.1	21,621	6	25	15	4	26
	MADISON	62,864	3.6	42.9	23,828	6	25	13	6	16
	MONROE	711,917	-0.5	67.1	301,288	4	40	8	5	11
	MONTGOMERY	55,883	-0.5	55.5	23,778	5	42	6	4	15
	NASSAU	1,428,838	-3.2	99.7	585,516	5	20	9	7	16
	NEW YORK	1,539,233	-5.5	0.0	741,741	1	18	7	13	13
	NIAGARA	235,720	0.0	72.0	92,647	4	42	7	5	12
	ONEIDA	273,070	-2.5	68.3	104,153	4	29	8	5	22
	ONONDAGA	472,835	0.0	81.6	191,964	4	26	9	6	14
	ONTARIO	78,849	8.0	34.6	31,658	6	27	8	5	16
	ORANGE	221,657	9.4	51.1	83,047	7	23	9	6	19
	ORLEANS	37,305	2.0	31.1	14,951	5	39	8	4	16
	OSWEGO	100,897	8.9	40.1	36,544	8	33	12	5	18
	OTSEGO	56,181	3.0	28.5	21,947	6	17	16	7	22
	PUTNAM	56,696	22.4	38.8	20,675	10	20	9	7	17
	QUEENS	1,987,174	-0.6	0.0	908,921	4	21	5	9	15
	RENSSELAER	152,510	0.7	63.6	60,889	6	23	10	6	21
	RICHMOND	295,443	10.0	0.0	115,276	5	14	7	5	24
	ROCKLAND	229,903	8.4	96.2	86,555	6	21	10	6	20
	ST LAWRENCE	112,309	3.5	44.2	37,975	5	20	16	5	23
	SARATOGA	121,764	17.4	47.2	46,148	6	28	11	5	19
	SCHENECTADY	161,078	-1.9	88.9	64,960	5	29	9	8	19
	SCHOHARIE	24,750	15.4	17.6	9,272	10	18	11	6	24
	SCHUYLER	16,737	5.3	16.7	6,463	8	33	11	5	17
	SENECA	35,083	-3.0	38.7	12,823	6	28	9	4	27
	STEUBEN	99,546	1.2	36.9	38,399	5	34	8	6	15
	SUFFOLK	1,127,030	10.0	89.8	403,170	7	21	10	6	21
	SULLIVAN	52,580	14.7	19.6	21,078	10	6	8	19	17
	TIOGA	46,513	3.9	33.6	17,427	5	42	9	5	11
	TOMPKINS	77,064	9.9	41.6	31,977	4	14	33	6	19
	ULSTER	141,241	9.7	37.5	54,772	7	29	10	7	16
	WARREN	49,402	6.1	47.2	18,620	7	25	7	7	16
	WASHINGTON	52,725	2.8	34.3	19,121	6	36	7	5	16
	WAYNE	79,404	3.6	28.6	30,854	5	39	8	4	16
	WESTCHESTER	894,406	-1.9	93.8	383,138	5	20	8	9	14
	WYOMING	37,668	1.8	29.6	14,126	6	32	8	5	17
	YATES	19,831	5.5	26.3	7,734	8	22	12	5	13
NC	NORTH CAROLINA	5,084,411	7.2	45.0	2,054,838	6	35	7	7	13
	ALAMANCE	96,502	3.0	52.6	46,405	5	52	5	6	8
	ALEXANDER	19,466	12.0	0.0	9,022	4	61	3	4	5
	ALLEGHANY	8,134	6.5	0.0	3,353	10	42	4	6	13
	ANSON	23,488	2.3	16.9	8,634	7	43	5	7	12
	ASHE	19,571	2.7	0.0	7,464	8	46	5	4	10
	AVERY	12,655	11.5	0.0	4,571	12	31	11	6	15
	BEAUFORT	35,980	5.0	24.9	13,731	7	24	6	8	13

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
NC	BERTIE	20,528	1.8	0.0	6,438	4	33	6	8	14
	BLADEN	26,477	7.6	0.0	9,432	10	32	6	6	13
	BRUNSWICK	24,223	34.4	0.0	8,247	14	25	5	6	16
	BUNCOMBE	145,056	4.1	52.3	60,080	7	30	5	6	12
	BURKE	60,364	7.2	28.5	27,379	4	56	5	4	12
	CABARRUS	74,629	6.0	64.0	36,502	5	55	4	4	7
	CALDWELL	56,699	7.1	31.0	24,546	5	60	4	5	7
	CAMDEN	5,453	4.2	0.0	1,673	9	20	5	9	21
	CARTERET	31,603	13.2	27.2	11,863	6	14	5	9	29
	CASWELL	19,055	2.6	0.0	7,451	5	50	6	5	11
	CATAWBA	90,873	10.0	42.9	44,156	5	53	4	5	6
	CHATHAM	29,554	2.4	15.9	13,129	5	44	6	6	15
	CHEROKEE	16,330	4.5	0.0	5,958	9	41	4	5	13
	CHOWAN	10,764	4.7	44.3	4,179	8	29	7	8	16
	CLAY	5,180	8.2	0.0	1,771	10	41	7	3	11
	CLEVELAND	72,556	7.7	37.8	31,993	6	49	5	6	8
	COLUMBUS	46,937	7.1	8.9	16,973	7	27	7	7	12
	CRAVEN	62,554	9.1	55.2	18,304	6	17	7	8	28
	CUMBERLAND	212,042	9.8	76.1	49,635	6	16	9	10	24
	CURRITUCK	6,976	43.9	0.0	2,275	16	16	8	11	23
	DARE	6,995	30.8	0.0	2,426	13	5	3	13	22
	DAVIDSON	95,627	5.6	37.0	44,713	5	55	4	5	7
	DAVIE	18,855	11.4	13.4	8,121	7	47	4	5	8
	DUPLIN	38,015	6.1	15.3	14,828	7	26	6	7	14
	DURHAM	132,681	6.1	76.1	56,959	6	19	14	8	17
	EDGECOMBE	52,341	2.9	47.1	20,252	4	29	6	10	11
	FORSYTH	215,118	5.1	69.2	91,649	5	35	7	7	11
	FRANKLIN	26,820	5.8	11.0	10,029	5	34	6	7	13
	GASTON	148,415	5.8	60.4	68,948	4	54	4	5	7
	GATES	8,524	- 3.0	0.0	2,920	7	32	6	10	14
	GRAHAM	6,562	- 1.0	0.0	2,369	16	35	10	7	23
	GRANVILLE	32,762	0.5	32.7	11,759	6	28	7	7	26
	GREENE	14,967	1.6	0.0	5,642	8	23	5	6	11
	GUILFORD	288,645	4.1	76.3	130,095	6	34	6	7	12
	HALIFAX	54,354	1.4	36.8	18,562	6	33	6	10	11
	HARNETT	49,667	8.2	22.5	19,542	9	31	6	7	13
	HAYWOOD	41,710	5.3	27.6	15,912	7	44	5	6	10
	HENDERSON	42,804	14.8	28.0	16,846	9	38	4	7	9
	HERTFORD	24,439	- 3.0	34.2	8,439	8	27	8	9	16
	HOKE	16,436	5.5	19.3	5,983	4	40	5	9	17
	HYDE	5,571	- 1.7	0.0	1,890	10	17	10	6	25
	IREDELL	72,197	8.6	44.2	32,699	6	48	4	6	8
	JACKSON	21,593	13.3	0.0	7,790	13	26	16	10	25
	JOHNSTON	61,737	6.2	23.1	25,356	10	26	6	7	14
	JONES	9,779	- 2.6	0.0	3,485	10	20	9	8	23
	LEE	30,467	11.3	38.1	12,956	7	41	5	6	10
	LENOIR	55,204	5.1	45.0	21,446	10	23	7	9	16
	LINCOLN	32,682	14.2	15.8	15,037	5	52	4	5	8
	MC DOWELL	30,648	10.2	31.1	12,819	5	62	4	3	8

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
NC	MACON	15,788	15.4	0.0	5,802	13	32	6	8	16
	MADISON	16,003	5.4	0.0	5,554	9	28	10	4	15
	MARTIN	24,730	0.2	26.6	8,939	7	25	7	9	14
	MECKLENBURG	354,656	5.7	79.8	158,637	5	20	6	9	10
	MITCHELL	13,447	4.7	0.0	4,839	8	41	7	4	12
	MONTGOMERY	19,267	3.3	0.0	8,255	4	57	4	6	8
	MOORE	39,048	9.0	15.3	15,486	5	34	5	11	11
	NASH	59,122	9.5	32.2	22,921	6	28	5	8	10
	NEW HANOVER	82,996	15.3	69.1	33,717	8	25	6	10	12
	NORTHAMPTON	23,099	-0.2	0.0	7,438	8	29	9	9	15
	ONSLOW	103,126	-1.8	57.4	18,459	6	10	9	9	30
	ORANGE	57,567	19.1	50.3	24,521	4	15	28	8	39
	PAMLICO	9,467	-0.7	0.0	3,145	7	20	6	6	24
	PASQUOTANK	26,824	3.0	51.8	9,772	7	18	11	10	26
	PENDER	18,149	14.0	0.0	6,724	9	27	5	7	19
	PERQUIMANS	8,351	1.1	0.0	2,771	8	23	5	7	17
	PERSON	25,914	3.6	20.5	10,652	7	43	5	7	10
	PITT	73,900	5.9	49.8	28,710	7	17	12	8	19
	POLK	11,735	8.5	0.0	4,823	6	44	4	10	9
	RANDOLPH	76,358	7.7	30.0	36,905	5	58	3	4	6
	RICHMOND	39,889	2.5	33.4	16,083	5	40	5	7	9
	ROBESON	84,842	10.4	27.3	30,240	9	33	7	7	13
	ROCKINGHAM	72,402	7.0	44.7	32,416	6	52	3	5	6
	ROWAN	90,035	4.0	42.1	41,623	5	49	5	5	9
	RUTHERFORD	47,337	6.1	30.1	20,387	6	55	4	6	7
	SAMPSON	44,954	7.0	15.9	17,553	7	27	6	8	12
	SCOTLAND	26,929	11.3	32.6	10,903	3	42	11	7	10
	STANLY	42,822	4.6	26.1	20,209	6	54	5	5	7
	STOKES	23,782	20.5	0.0	9,575	7	48	3	3	7
	SURRY	51,415	7.8	24.8	22,028	9	43	4	6	9
	SWAIN	8,835	9.1	0.0	2,721	12	27	9	7	28
	TRANSYLVANIA	19,713	7.8	26.9	7,788	8	49	8	5	13
	TYRRELL	3,806	6.4	0.0	1,273	11	19	10	8	18
	UNION	54,714	14.2	25.3	23,323	10	38	5	6	8
	VANCE	32,691	2.3	42.2	13,167	6	37	5	7	9
	WAKE	229,006	15.2	69.4	97,585	7	15	11	8	24
	WARREN	15,340	8.5	0.0	4,980	10	30	8	9	14
	WASHINGTON	14,038	1.5	34.0	4,837	5	42	5	8	13
	WATAUGA	23,404	23.1	37.4	8,653	10	22	17	8	25
	WAYNE	85,408	5.2	46.6	28,489	6	23	7	10	20
	WILKES	49,524	9.6	6.9	20,353	6	46	5	5	8
	WILSON	57,486	4.5	51.1	22,672	7	24	7	9	13
	YADKIN	24,599	8.0	0.0	10,633	7	42	4	5	8
	YANCEY	12,629	9.7	0.0	4,641	11	43	5	4	12
ND	NORTH DAKOTA	617,792	2.9	44.3	214,344	5	4	10	6	18
	ADAMS	3,832	-3.3	0.0	1,540	6	6	5	4	11
	BARNES	14,669	-8.7	53.5	5,553	6	3	12	5	18
	BENSON	8,245	1.1	0.0	2,448	2	2	10	5	20
	BILLINGS	1,198	-3.8	0.0	393	1	0	12	0	21

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
ND	BOTTINEAU	9,496	4.0	28.3	3,065	3	1	9	5	17
	BOWMAN	3,901	4.3	0.0	1,490	5	0	7	7	11
	BURKE	4,739	-10.4	0.0	1,569	3	1	7	8	13
	BURLEIGH	40,714	15.7	85.2	16,726	10	5	7	7	23
	CASS	73,653	9.8	79.2	29,797	5	6	11	8	19
	CAVALIER	8,213	47.0	0.0	2,500	5	1	8	4	13
	DICKEY	6,976	4.5	0.0	2,660	6	2	10	3	15
	DIVIDE	4,564	-9.3	0.0	1,553	2	1	6	5	14
	DUNN	4,895	-6.0	0.0	1,737	4	0	9	3	15
	EDDY	4,103	-8.3	0.0	1,373	7	1	8	11	13
	EMMONS	7,200	-5.6	0.0	1,873	2	1	7	2	11
	FOSTER	4,832	1.7	0.0	1,632	5	3	6	5	14
	GOLDEN VALLEY	2,611	-4.0	0.0	919	2	0	8	4	16
	GRAND FORKS	61,102	2.2	81.2	19,932	5	7	18	7	26
	GRANT	5,009	1.0	0.0	1,638	1	0	7	3	14
	GRIGGS	4,184	-3.5	0.0	1,309	5	8	5	3	16
	HETTINGER	5,075	-6.6	0.0	1,502	3	2	8	7	15
	KIDDER	4,362	-2.2	0.0	1,393	3	1	8	3	14
	LA MOURE	7,117	-4.7	0.0	2,298	3	2	9	3	13
	LOGAN	4,245	-6.5	0.0	1,336	5	2	5	5	10
	MC HENRY	8,977	-3.4	0.0	3,011	4	2	7	3	14
	MC INTOSH	5,545	-5.8	0.0	1,851	4	1	7	8	13
	MC KENZIE	6,127	-1.7	0.0	2,061	3	2	6	6	13
	MC LEAN	11,251	2.6	0.0	3,745	7	1	11	4	18
	MERCER	6,175	1.1	0.0	2,212	7	0	6	4	14
	MORTON	20,310	6.3	55.3	6,790	8	7	7	6	14
	MOUNTRAIL	8,437	-0.8	0.0	2,743	4	6	7	3	18
	NELSON	5,807	-1.5	0.0	2,024	3	1	6	8	12
	OLIVER	2,322	3.7	0.0	793	5	0	5	2	12
	PEMBINA	10,728	6.4	0.0	3,369	4	10	8	6	18
	PIERCE	6,323	4.7	46.6	2,026	4	5	9	4	17
	RAMSEY	12,915	4.1	56.2	4,623	4	2	11	6	19
	RANSOM	7,102	0.5	0.0	2,433	2	8	6	4	12
	RENVILLE	3,828	-1.0	0.0	1,240	3	2	7	2	17
	RICHLAND	18,089	0.6	39.1	6,238	4	4	15	5	19
	ROLETTE	11,549	9.8	0.0	3,236	4	5	16	4	39
	SARGENT	5,937	2.4	0.0	2,110	2	19	6	3	14
	SHERIDAN	3,232	3.5	0.0	1,149	7	0	8	4	13
	SIOUX	3,632	15.0	0.0	1,045	5	2	13	3	49
	SLOPE	1,484	-8.3	0.0	504	2	3	7	3	14
	STARK	19,613	-2.0	63.9	6,971	5	5	12	8	15
	STEELE	3,749	-3.8	0.0	1,111	4	3	6	4	15
	STUTSMAN	23,550	-0.5	65.3	8,658	4	4	9	5	20
	TOWNER	4,645	-10.4	0.0	1,458	5	1	6	4	12
	TRAILL	9,571	-1.9	26.7	3,309	4	3	14	6	19
	WALSH	16,251	-0.1	36.6	5,471	4	4	10	6	19
	WARD	58,560	3.1	75.5	18,308	6	4	10	8	18
	WELLS	7,847	-8.7	0.0	2,574	3	1	7	6	10
	WILLIAMS	19,301	-2.9	59.5	7,045	6	4	8	7	11

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
OH	OHIO	10,657,423	1.0	75.3	4,234,458	5	35	7	6	13
	ADAMS	18,957	18.4	0.0	6,037	8	18	7	6	17
	ALLEN	111,144	-1.7	68.8	44,348	5	33	6	6	9
	ASHLAND	43,303	0.6	52.7	17,989	5	41	10	4	11
	ASHTABULA	98,237	3.9	49.8	38,072	5	39	6	5	10
	ATHENS	55,747	-7.6	51.8	19,449	6	13	29	6	39
	AUGLAIZE	38,602	7.5	41.8	15,426	5	43	4	6	9
	BELMONT	80,917	1.7	50.3	29,468	5	28	5	4	8
	BROWN	26,635	12.2	20.4	9,276	7	34	7	6	14
	BUTLER	226,207	7.9	77.4	86,983	5	41	9	5	13
	CARROLL	21,579	11.8	21.7	8,049	5	45	4	4	9
	CHAMPAIGN	30,491	5.9	36.9	12,585	6	42	6	5	9
	CLARK	157,115	-1.4	67.3	60,991	4	35	7	6	16
	CLERMONT	95,372	13.2	30.6	36,196	7	39	6	6	10
	CLINTON	31,464	3.7	41.8	12,296	6	28	9	6	19
	COLUMBIANA	108,310	3.2	55.9	41,748	3	44	5	5	9
	COSHOCTON	33,486	4.5	41.1	13,018	5	42	4	5	10
	CRAWFORD	50,364	-0.8	63.9	20,722	3	48	5	5	9
	CUYAHOGA	1,720,835	-6.8	99.6	722,183	4	33	6	7	13
	DARKE	49,141	12.0	25.2	19,576	4	38	5	5	7
	DEFIANCE	36,949	-0.3	53.3	14,499	4	42	8	4	10
	DELAWARE	42,908	16.4	39.8	17,555	7	28	11	5	14
	ERIE	75,909	1.8	70.8	30,148	5	39	5	5	10
	FAIRFIELD	73,301	15.8	44.9	26,280	6	40	5	6	13
	FAYETTE	25,461	3.6	49.1	10,027	5	29	5	6	14
	FRANKLIN	833,249	3.9	95.4	348,004	5	22	9	7	19
	FULTON	33,071	5.5	40.6	13,200	7	37	5	4	10
	GALLIA	25,239	11.5	29.7	8,031	8	15	6	7	21
	GEAUGA	62,977	6.9	14.4	24,343	7	39	7	6	9
	GREENE	125,057	0.5	72.7	47,657	4	28	11	5	26
	GUERNSEY	37,665	5.3	36.3	13,784	6	34	5	5	17
	HAMILTON	925,944	-2.3	96.1	367,758	4	32	7	7	12
	HANCOCK	61,217	1.3	63.5	25,065	4	32	6	6	9
	HARDIN	30,813	3.4	44.4	11,506	5	34	10	5	10
	HARRISON	17,013	5.5	18.0	6,048	6	20	6	4	12
	HENRY	27,058	2.9	27.9	10,538	7	38	6	5	9
	HIGHLAND	28,996	8.6	35.7	10,715	6	30	6	6	14
	HOCKING	20,322	9.1	30.8	7,187	8	37	5	6	14
	HOLMES	23,024	10.0	12.9	7,855	6	34	3	6	8
	HURON	49,587	5.2	46.7	19,370	5	38	6	4	10
	JACKSON	27,174	6.4	45.1	8,862	7	30	7	6	17
	JEFFERSON	96,193	-1.8	58.0	34,030	5	37	6	4	10
	KNOX	41,795	4.7	32.0	16,525	4	35	9	5	11
	LAKE	197,200	4.3	89.1	80,008	5	46	6	5	9
	LAWRENCE	56,868	6.2	51.3	18,767	6	35	5	5	12
	LICKING	107,799	5.8	54.3	41,643	6	32	6	5	17
	LOGAN	35,072	6.5	30.9	13,733	6	32	5	7	11
	LORAIN	256,843	4.6	85.6	99,030	4	42	7	5	10
	LUCAS	483,551	-0.8	94.1	196,935	5	32	7	6	12

STATE	COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
OH	MADISON	28,318	10.8	35.8	10,944	6	26	5	6	16
	MAHONING	304,545	0.8	84.0	118,014	5	37	6	5	10
	MARION	64,724	4.5	59.8	25,290	3	38	5	6	10
	MEDINA	82,717	19.2	49.7	32,219	6	36	6	4	10
	MEIGS	19,799	7.6	27.6	6,171	11	18	7	5	17
	MERCER	35,558	5.8	32.5	13,640	5	35	6	5	7
	MIAMI	84,342	3.5	58.6	34,379	4	45	5	5	10
	MONROE	15,739	- 0.8	20.6	4,875	8	36	7	5	14
	MONTGOMERY	608,413	- 3.4	92.1	249,847	4	38	6	7	14
	MORGAN	12,375	8.9	0.0	4,068	8	28	6	3	17
	MORROW	21,348	14.9	13.9	8,175	7	44	4	4	10
	MUSKINGUM	77,826	3.0	46.8	29,371	5	33	7	6	9
	NOBLE	10,428	6.2	0.0	3,603	7	22	8	7	17
	OTTAWA	37,099	4.7	26.6	13,948	5	38	6	5	11
	PAULDING	19,329	5.9	15.9	6,930	4	46	5	4	10
	PERRY	27,434	3.7	28.1	9,031	5	42	5	5	13
	PICKAWAY	40,071	9.4	29.2	13,842	7	30	6	6	15
	PIKE	19,114	7.1	26.1	5,557	9	28	8	7	21
	PORTAGE	125,868	5.6	53.5	50,310	5	37	14	4	20
	PREBLE	34,719	3.4	17.7	13,640	6	38	7	6	11
	PUTNAM	31,134	0.7	11.6	10,828	5	41	6	5	10
	RICHLAND	129,997	0.3	69.4	53,022	4	43	5	6	10
	ROSS	61,211	- 0.7	40.6	21,315	6	32	6	6	18
	SANDUSKY	60,983	3.5	50.5	23,322	6	41	6	5	10
	SCIOTO	76,951	5.0	49.6	25,017	7	29	7	5	14
	SENECA	60,696	- 0.3	55.6	23,345	4	42	6	4	9
	SHELBY	37,748	6.6	42.5	15,361	4	47	5	5	9
	STARK	372,210	3.2	73.4	147,663	4	42	5	5	9
	SUMMIT	553,371	- 3.3	90.4	221,702	4	39	6	6	10
	TRUMBULL	232,579	3.8	69.7	93,216	4	49	5	4	9
	TUSCARAWAS	77,211	4.1	51.7	29,084	5	41	5	5	10
	UNION	23,786	21.0	24.1	9,484	5	34	6	7	13
	VAN WERT	29,194	1.0	50.9	11,679	4	41	5	6	9
	VINTON	9,420	9.2	0.0	2,955	8	29	8	4	25
	WARREN	85,505	2.6	42.6	32,182	6	46	6	5	10
	WASHINGTON	57,160	4.1	42.1	20,624	9	29	8	7	12
	WAYNE	87,123	4.4	40.2	36,023	5	37	9	5	11
	WILLIAMS	33,669	3.1	33.2	13,613	4	44	5	4	9
	WOOD	89,722	12.8	53.8	36,188	5	28	16	5	20
	WYANDOT	21,826	2.1	42.0	8,460	6	37	4	6	10
OK	OKLAHOMA	2,559,463	5.9	68.0	968,430	6	15	8	6	20
	ADAIR	15,141	7.9	0.0	4,184	8	28	10	6	19
	ALFALFA	7,224	- 1.4	0.0	2,743	5	2	10	7	18
	ATOKA	10,972	5.1	31.4	2,904	12	11	7	6	25
	BEAVER	6,282	- 6.0	0.0	2,543	6	4	7	6	19
	BECKHAM	15,754	0.0	63.0	5,643	8	6	6	10	14
	BLAINE	11,794	4.4	29.7	4,270	6	14	6	7	18
	BRYAN	25,552	5.2	43.5	9,530	7	18	13	7	23
	CADDO	28,931	9.1	23.0	9,613	6	11	9	7	21

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
OK	CANADIAN	32,245	34.4	81.0	11,941	5	17	6	7	18
	CARTER	37,349	8.5	55.9	13,311	7	13	6	10	14
	CHEROKEE	23,174	9.6	39.9	7,741	10	8	25	7	36
	CHOCTAW	15,141	12.3	43.6	4,652	10	18	7	7	18
	CIMARRON	4,145	-4.1	0.0	1,614	7	2	10	5	22
	CLEVELAND	81,839	24.6	83.4	32,808	5	9	19	6	37
	COAL	5,525	5.2	0.0	1,613	8	12	9	8	34
	COMANCHE	108,144	-4.8	88.7	26,084	5	5	9	10	31
	COTTON	6,832	-3.6	39.3	2,590	7	13	4	6	20
	CRAIG	14,722	-0.4	39.7	5,244	6	12	6	7	26
	CREEK	45,532	6.7	51.3	16,625	6	27	5	7	11
	CUSTER	22,665	-2.5	72.1	9,450	7	6	14	9	25
	DELAWARE	17,767	11.3	0.0	4,983	12	20	7	7	13
	DEWEY	5,656	-7.5	0.0	2,181	6	4	6	8	18
	ELLIS	5,129	-0.8	0.0	2,009	7	2	9	5	24
	GARFIELD	56,343	3.4	80.5	21,195	6	9	8	11	14
	GARVIN	24,874	7.8	38.1	8,621	8	9	7	7	18
	GRADY	29,354	18.5	48.3	10,683	6	17	8	8	16
	GRANT	7,117	-4.2	0.0	2,531	8	5	9	5	16
	GREER	7,979	-0.1	51.4	2,574	5	7	6	9	22
	HARMON	5,136	-10.1	63.1	1,826	6	5	10	9	21
	HARPER	5,151	-1.8	0.0	2,107	9	2	5	6	23
	HASKELL	9,578	1.4	0.0	3,129	16	10	6	6	23
	HUGHES	13,228	6.1	38.3	4,575	10	14	5	8	18
	JACKSON	30,902	8.4	74.9	8,738	6	7	6	9	23
	JEFFERSON	7,125	9.2	0.0	2,615	8	11	6	9	15
	JOHNSTON	7,870	6.5	34.8	2,402	9	13	12	4	23
	KAY	48,791	-2.8	77.7	19,258	4	31	7	7	13
	KINGFISHER	12,857	-1.2	31.4	4,777	5	5	7	8	13
	KIOWA	12,532	-4.5	37.4	4,557	7	4	6	11	18
	LATIMER	8,601	14.0	0.0	2,641	9	12	20	4	41
	LE FLORE	32,137	9.7	31.7	9,606	10	23	7	8	17
	LINCOLN	19,482	9.3	26.3	7,003	6	12	7	4	24
	LOGAN	19,645	15.8	48.7	7,383	5	15	12	8	23
	LOVE	5,637	15.6	0.0	2,041	9	23	7	6	18
	MC CLAIN	14,157	32.9	29.2	5,019	11	11	6	8	23
	MC CURTAIN	28,642	23.9	31.2	8,537	10	30	8	7	17
	MC INTOSH	12,472	6.8	24.4	3,640	14	10	9	10	27
	MAJOR	7,529	8.6	37.6	2,785	8	6	6	6	18
	MARSHALL	7,682	9.1	37.5	2,666	10	14	5	9	19
	MAYES	23,302	18.6	30.3	7,807	11	24	5	8	16
	MURRAY	10,669	-0.2	48.8	3,871	10	10	6	8	24
	MUSKOGEE	59,542	3.5	62.7	20,446	9	16	6	8	21
	NOBLE	10,043	3.8	55.7	3,670	6	11	7	7	18
	NOWATA	9,773	6.5	37.3	3,587	6	15	4	7	12
	OKFUSKEE	10,683	4.2	26.6	3,212	7	13	8	6	24
	OKLAHOMA	527,717	2.0	97.4	226,005	6	14	6	8	23
	OKMULGEE	35,358	3.7	60.9	11,291	6	22	11	8	19
	OSAGE	29,750	7.4	30.0	11,471	6	16	5	7	15

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
OK	OTTAWA	29,800	3.8	55.3	11,394	4	30	9	6	14
	PAWNEE	11,338	13.4	22.7	4,027	9	17	8	6	24
	PAYNE	50,654	10.7	76.3	20,606	5	8	32	7	40
	PITTSBURG	37,521	- 2.6	50.1	12,455	7	15	6	8	35
	PONTOTOC	27,867	10.6	53.3	10,429	9	12	13	7	22
	POTTAWATOMIE	43,134	17.5	68.6	15,903	8	11	9	7	26
	PUSHMATAHA	9,385	7.3	28.6	2,624	13	13	6	8	28
	ROGER MILLS	4,452	- 5.1	0.0	1,574	11	3	5	5	16
	ROGERS	28,425	17.5	32.0	11,059	11	19	7	7	15
	SEMINOLE	25,144	11.7	52.6	6,620	8	15	7	9	21
	SEQUOYAH	23,370	12.6	21.3	7,221	14	27	7	6	16
	STEPHENS	35,902	5.1	66.7	13,661	6	17	5	8	11
	TEXAS	16,352	11.4	46.6	6,773	7	7	11	8	17
	TILLMAN	12,901	- 5.8	49.7	4,596	7	14	6	8	17
	TULSA	399,982	4.3	93.9	169,110	6	20	6	8	10
	WAGONER	22,163	21.9	32.4	7,974	11	23	5	6	14
	WASHINGTON	42,302	- 3.0	79.2	17,838	4	33	6	6	10
	WASHITA	12,141	6.7	26.9	4,363	8	4	8	8	18
	WOODS	11,920	- 10.9	63.0	5,225	5	2	16	7	27
	WOODWARD	15,537	3.1	56.1	6,433	5	4	4	9	17
OR	OREGON	2,091,533	9.4	67.1	837,069	5	21	9	7	17
	BAKER	14,919	5.2	62.7	5,690	5	11	8	5	18
	BENTON	53,776	17.7	65.4	20,598	4	13	30	6	36
	CLACKAMAS	166,088	22.2	62.6	67,025	7	21	8	7	14
	CLATSOP	28,473	2.3	51.8	11,337	6	25	10	7	18
	COLUMBIA	28,790	8.0	21.6	10,616	5	40	7	4	12
	COOS	56,515	4.5	51.1	21,492	4	34	7	5	13
	CROOK	9,985	16.0	41.1	4,069	3	32	6	5	15
	CURRY	13,006	9.5	20.9	4,939	3	36	6	6	16
	DESCHUTES	30,442	32.4	57.3	12,391	6	20	7	9	14
	DOUGLAS	71,743	14.6	34.1	26,429	5	33	8	7	17
	GILLIAM	2,342	- 13.0	0.0	782	5	0	16	6	28
	GRANT	6,996	5.5	0.0	2,751	4	17	10	6	26
	HARNEY	7,215	1.9	46.0	3,009	3	26	7	6	20
	HOOD RIVER	13,187	9.9	30.3	5,417	5	13	7	8	14
	JACKSON	94,533	20.2	55.3	35,664	5	18	10	8	17
	JEFFERSON	8,548	18.5	0.0	3,553	4	10	6	6	22
	JOSEPHINE	35,746	30.5	52.1	12,016	6	24	6	8	16
	KLAMATH	50,021	7.0	63.0	18,745	5	21	8	6	17
	LAKE	6,343	4.5	43.1	2,507	3	17	7	6	24
	LANE	215,401	12.0	69.7	84,010	5	23	13	7	18
	LINCOLN	25,755	8.0	46.5	9,850	5	22	6	12	16
	LINN	71,914	12.6	39.7	26,485	6	34	8	6	13
	MALHEUR	23,169	5.2	39.5	8,741	6	12	11	5	17
	MARION	151,309	10.8	67.0	56,669	7	15	10	6	26
	MORROW	4,465	16.2	0.0	1,749	3	10	5	4	16
	MULTNOMAH	554,668	- 3.4	97.4	240,891	5	18	7	8	14
	POLK	35,349	11.5	58.8	13,299	5	23	13	5	24
	SHERMAN	2,139	- 0.4	0.0	831	13	3	14	5	22

STATE	AND COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
OR	TILLAMOOK	18,034	1.4	22.1	6,636	5	28	9	7	18
	UMATILLA	44,923	6.0	49.3	17,596	5	15	8	5	23
	UNION	19,377	14.8	49.8	7,199	5	18	12	6	21
	WALLOWA	6,247	10.6	0.0	2,424	6	10	8	6	24
	WASCO	20,133	- 0.9	51.8	7,620	11	15	8	6	21
	WASHINGTON	157,920	20.4	74.4	67,365	5	25	9	5	13
	WHEELER	1,849	14.2	0.0	762	4	34	9	7	14
	YAMHILL	40,213	12.7	41.2	15,710	6	23	11	6	13
PA	PENNSYLVANIA	11,800,766	0.2	71.5	4,712,303	5	34	7	6	13
	ADAMS	56,937	8.6	23.0	23,506	6	36	7	5	10
	ALLEGHENY	1,605,133	- 5.5	94.8	617,086	5	27	7	7	12
	ARMSTRONG	75,590	1.1	18.4	25,999	6	36	6	5	11
	BEAVER	208,418	- 0.4	77.2	77,734	4	47	6	4	9
	BEDFORD	42,353	3.4	7.8	15,798	8	25	5	7	12
	BERKS	296,382	2.9	63.5	133,436	4	44	5	5	9
	BLAIR	135,356	- 1.4	67.3	51,331	4	29	6	5	11
	BRADFORD	57,962	3.4	27.5	21,436	5	36	8	4	12
	BUCKS	416,728	9.8	76.2	169,692	6	37	7	5	12
	BUTLER	127,941	7.3	30.0	45,889	6	34	9	5	14
	CAMBRIA	186,785	0.1	59.0	63,987	4	32	7	4	13
	CAMERON	7,096	- 3.7	42.6	3,037	4	55	6	5	12
	CARBON	50,573	2.2	63.8	20,614	6	51	4	4	10
	CENTRE	99,267	8.4	47.2	39,352	5	17	30	6	38
	CHESTER	277,746	5.0	45.0	111,011	4	35	9	6	12
	CLARION	38,414	5.3	16.0	13,284	7	29	14	5	20
	CLEARFIELD	74,619	3.1	29.0	27,323	8	30	6	5	12
	CLINTON	37,721	0.3	37.2	14,873	6	41	10	4	17
	COLUMBIA	55,114	6.6	43.4	23,249	5	46	7	4	13
	CRAWFORD	81,342	4.4	29.4	31,558	5	40	8	5	10
	CUMBERLAND	158,177	7.9	66.2	67,194	6	20	6	5	22
	DAUPHIN	223,713	0.2	75.0	97,255	6	22	6	6	24
	DELAWARE	603,456	- 2.8	96.8	245,437	5	29	8	6	11
	ELK	37,770	0.2	47.1	14,738	3	56	4	3	7
	ERIE	263,654	3.0	74.8	102,922	4	40	6	5	10
	FAYETTE	154,667	0.5	32.8	49,447	6	28	7	6	13
	FOREST	4,926	7.6	0.0	1,694	7	40	5	5	21
	FRANKLIN	100,833	3.5	31.6	41,130	6	33	7	5	22
	FULTON	10,776	3.8	0.0	4,196	12	31	5	4	20
	GREENE	36,090	6.7	14.3	11,276	10	14	10	6	16
	HUNTINGDON	39,108	2.3	27.2	14,136	9	34	9	4	16
	INDIANA	79,451	5.4	25.8	28,219	7	24	13	5	21
	JEFFERSON	43,695	5.6	39.7	16,205	7	33	6	6	12
	JUNIATA	16,712	5.0	0.0	6,434	10	36	6	4	16
	LACKAWANNA	234,504	0.4	87.2	96,824	5	36	6	5	12
	LANCASTER	320,079	6.6	54.2	139,670	6	39	6	6	8
	LAWRENCE	107,374	- 1.4	52.8	39,888	4	38	7	4	9
	LEBANON	99,665	22.4	47.6	43,682	4	43	5	4	11
	LEHIGH	255,304	3.9	79.8	113,124	4	41	6	5	8
	LUZERNE	341,956	1.2	78.2	140,644	5	40	5	5	12

STATE	COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
PA	LYCOMING	113,296	1.4	58.6	45,352	5	42	7	5	10
	MC KEAN	51,915	- 1.8	39.5	20,658	4	41	5	5	11
	MERCER	127,225	- 1.0	49.8	47,360	3	42	8	5	9
	MIFFLIN	45,268	- 0.9	30.0	17,926	4	44	5	4	9
	MONROE	45,422	21.7	29.4	19,009	9	29	8	11	16
	MONTGOMERY	624,080	1.0	81.4	262,375	5	34	7	6	10
	MONTOUR	16,508	3.3	37.0	5,914	5	37	5	3	17
	NORTHAMPTON	214,545	4.4	71.9	92,119	4	49	6	4	8
	NORTHUMBERLAND	99,190	0.2	59.8	40,127	7	41	5	5	11
	PERRY	28,615	9.9	7.9	11,173	8	26	5	5	20
	PHILADELPHIA	1,949,996	- 6.4	0.0	800,326	4	28	6	8	17
	PIKE	11,818	21.3	0.0	4,428	14	20	7	11	14
	POTTER	16,395	4.7	17.3	5,925	5	34	7	6	15
	SCHUYLKILL	160,089	- 0.6	51.9	64,242	7	45	4	4	10
	SNYDER	29,269	5.8	17.5	11,356	6	36	9	3	15
	SOMERSET	76,037	2.6	21.6	27,843	7	27	6	6	13
	SULLIVAN	5,961	- 2.8	0.0	2,096	13	40	5	5	20
	SUSQUEHANNA	34,344	6.1	0.0	13,207	8	34	6	5	12
	TIOGA	39,691	3.7	20.5	14,102	4	33	12	4	18
	UNION	28,603	9.3	31.4	10,642	6	35	15	5	13
	VENANGO	62,353	1.3	48.7	21,253	5	37	7	6	17
	WARREN	47,682	- 1.2	27.3	18,052	4	39	5	4	16
	WASHINGTON	210,876	1.5	44.0	76,497	5	33	7	6	12
	WAYNE	29,581	10.2	17.7	10,979	9	27	5	8	15
	WESTMORELAND	376,935	0.0	59.9	138,572	5	40	6	6	9
	WYOMING	19,082	16.3	0.0	7,389	9	34	6	6	11
	YORK	272,603	4.8	56.3	118,671	6	43	5	5	9
RI	RHODE ISLAND	949,723	- 2.4	87.0	386,002	5	35	7	5	15
	BRISTOL	45,937	- 0.8	95.1	18,942	5	41	6	5	12
	KENT	142,382	3.9	91.7	61,144	5	35	5	5	16
	NEWPORT	94,228	- 19.6	68.0	27,068	6	17	10	7	24
	PROVIDENCE	581,470	- 0.6	92.4	252,599	5	37	7	5	13
	WASHINGTON	85,706	- 6.9	59.1	28,249	5	27	15	5	28
SC	SOUTH CAROLINA	2,590,835	8.8	47.6	991,844	7	36	7	8	14
	ABBEVILLE	21,112	2.2	26.2	8,842	4	56	7	8	9
	AIKEN	91,023	3.9	44.8	35,791	6	43	6	8	11
	ALLENDALE	9,783	3.7	39.1	3,643	6	29	7	12	18
	ANDERSON	105,474	9.5	40.8	47,315	6	49	5	6	8
	BAMBERG	15,950	3.3	43.7	5,851	7	33	11	9	14
	BARNWELL	17,176	11.9	41.0	6,912	5	44	6	9	13
	BEAUFORT	51,136	3.8	50.3	11,563	8	9	9	15	30
	BERKELEY	56,199	14.7	45.1	15,950	9	33	7	6	27
	CALHOUN	10,780	3.9	0.0	3,781	8	26	7	11	13
	CHARLESTON	247,565	6.2	82.0	81,073	7	20	9	9	30
	CHEROKEE	36,791	10.0	46.2	15,510	9	49	6	6	10
	CHESTER	29,811	1.2	32.8	12,422	5	52	4	8	8
	CHESTERFIELD	33,667	2.1	16.7	13,586	5	51	5	6	9
	CLARENDON	25,604	1.8	15.7	8,901	7	23	6	12	13
	COLLETON	27,707	4.0	22.7	9,837	10	30	5	10	17

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
SC	DARLINGTON	53,442	5.0	28.1	20,513	5	40	6	9	9
	DILLON	28,838	2.7	20.8	9,968	5	34	4	9	8
	DORCHESTER	32,276	37.2	11.9	10,487	7	34	7	9	24
	EDGEFIELD	15,692	2.7	34.6	5,968	6	40	6	6	16
	FAIRFIELD	19,999	0.4	17.1	7,463	6	46	6	9	13
	FLORENCE	89,636	8.7	35.8	34,208	7	26	6	8	11
	GEORGETOWN	33,500	12.7	39.6	11,474	5	35	8	13	14
	GREENVILLE	240,774	10.4	69.9	104,486	7	38	6	7	8
	GREENWOOD	49,686	5.2	42.4	22,745	5	52	6	6	9
	HAMPTON	15,878	7.5	18.4	5,564	8	31	6	11	14
	HORRY	69,992	21.7	29.5	24,554	8	17	6	11	13
	JASPER	11,885	8.5	0.0	3,950	15	21	8	12	19
	KERSHAW	34,727	4.0	24.6	14,001	6	47	6	7	12
	LANCASTER	43,328	5.1	34.5	19,161	6	59	4	7	6
	LAURENS	49,713	2.2	38.4	20,639	5	56	5	6	10
	LEE	18,323	-5.2	18.6	6,132	7	34	6	9	13
	LEXINGTON	89,012	34.0	53.3	37,762	10	26	5	7	15
	MC CORMICK	7,955	-1.0	0.0	2,691	11	47	5	6	13
	MARION	30,270	6.7	44.4	11,730	6	32	6	8	13
	MARLBORO	27,151	4.3	36.8	10,025	4	45	5	8	10
	NEWBERRY	29,273	4.8	31.5	12,807	6	44	6	7	10
	OCONEE	40,728	7.4	30.0	17,909	11	53	5	5	9
	ORANGEBURG	69,789	9.7	19.0	26,199	8	26	9	11	15
	PICKENS	58,956	16.2	38.3	24,929	9	46	12	5	14
	RICHLAND	233,868	7.5	84.7	81,114	7	14	11	10	27
	SALUDA	14,528	-1.5	1.7	5,714	10	41	5	6	12
	SPARTANBURG	173,724	10.6	37.4	74,125	6	44	6	7	9
	SUMTER	79,425	4.1	47.5	24,184	7	27	8	12	16
	UNION	29,230	2.7	36.9	12,458	5	55	5	6	11
	WILLIAMSBURG	34,243	0.4	10.0	11,052	6	29	9	8	15
	YORK	85,216	8.9	55.0	36,855	6	47	7	8	10
SD	SOUTH DAKOTA	666,257	2.6	44.6	249,360	5	7	10	6	18
	ARMSTRONG	0	0.0	0.0	0	0	0	0	0	0
	AURORA	4,183	-4.5	0.0	1,524	5	3	8	3	23
	BEADLE	20,877	-4.0	68.1	8,419	6	10	9	5	16
	BENNETT	3,088	8.0	0.0	1,061	2	2	12	7	20
	BON HOMME	8,577	-8.0	0.0	3,307	4	5	14	5	19
	BROOKINGS	22,158	1.8	61.9	8,928	4	2	31	6	40
	BROWN	36,920	2.4	71.7	14,861	4	8	11	9	17
	BRULE	5,870	-1.4	42.6	2,372	7	1	11	6	15
	BUFFALO	1,739	5.2	0.0	446	13	2	11	6	22
	BUTTE	7,825	7.1	53.6	3,252	6	5	8	4	17
	CAMPBELL	2,866	-12.7	0.0	970	5	1	10	5	11
	CHARLES MIX	9,994	4.8	0.0	3,523	6	1	10	6	22
	CLARK	5,515	4.8	0.0	2,130	4	4	7	1	16
	CLAY	12,923	3.8	70.8	4,882	2	5	32	6	38
	CODINGTON	19,140	3.9	68.6	7,373	4	9	7	9	13
	CORSON	4,994	0.3	0.0	1,543	4	0	9	2	23
	CUSTER	4,698	13.0	0.0	1,801	5	10	6	5	33

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
SD	DAVISON	17,319	2.7	76.1	7,277	5	6	8	9	11
	DAY	8,713	- 2.7	0.0	2,905	4	4	7	5	17
	DEUEL	5,686	1.1	0.0	1,980	4	2	6	4	13
	DEWEY	5,170	15.1	0.0	1,627	2	1	16	7	33
	DOUGLAS	4,569	- 1.5	0.0	1,678	4	1	5	3	12
	EDMUNDS	5,548	0.9	0.0	1,933	5	2	7	4	18
	FALL RIVER	7,505	11.6	59.1	2,802	2	2	6	5	32
	FAULK	3,893	- 7.2	0.0	1,346	7	1	6	7	17
	GRANT	9,005	7.8	43.9	3,354	5	7	7	6	10
	GREGORY	6,710	- 3.5	0.0	2,382	6	1	8	6	13
	HAAKON	2,802	- 3.0	0.0	1,109	2	0	8	7	11
	HAMLIN	5,520	- 1.0	0.0	1,874	4	2	6	7	14
	HAND	5,883	- 8.9	0.0	2,111	5	1	9	8	16
	HANSON	3,781	- 3.5	0.0	1,196	4	5	6	2	12
	HARDING	1,855	1.3	0.0	657	2	1	5	2	10
	HUGHES	11,632	16.3	63.3	5,263	11	2	8	7	43
	HUTCHINSON	10,379	- 6.1	0.0	3,697	3	4	6	5	13
	HYDE	2,515	- 3.0	0.0	880	4	0	14	4	15
	JACKSON	1,531	7.5	0.0	623	12	0	9	5	30
	JERAULD	3,310	- 9.0	0.0	1,192	7	1	10	6	16
	JONES	1,882	- 12.8	0.0	699	11	0	1	3	15
	KINGSBURY	7,657	- 6.1	0.0	2,752	5	4	5	5	13
	LAKE	11,456	- 7.1	55.0	4,594	5	5	16	6	24
	LAWRENCE	17,453	- 4.1	58.5	6,552	3	7	13	6	23
	LINCOLN	11,761	6.4	22.7	4,612	4	12	7	6	11
	LYMAN	4,060	0.7	0.0	1,564	12	1	8	6	17
	MC COOK	7,246	- 4.3	0.0	2,475	5	5	6	5	11
	MC PHERSON	5,022	- 7.6	0.0	1,728	4	2	8	2	14
	MARSHALL	5,965	- 5.2	0.0	1,987	5	1	5	6	14
	MEADE	17,020	7.6	62.2	4,069	5	4	8	6	28
	MELLETTE	2,420	- 1.2	0.0	807	4	0	14	2	24
	MINER	4,454	- 7.5	0.0	1,648	3	2	10	4	16
	MINNEHAHA	95,209	5.1	78.9	38,550	4	16	6	8	11
	MOODY	7,622	- 0.4	0.0	2,741	4	4	7	6	15
	PENNINGTON	59,349	13.5	79.1	21,815	8	10	9	7	19
	PERKINS	4,769	- 0.2	0.0	2,074	3	1	7	4	9
	POTTER	4,449	- 5.3	0.0	1,620	5	1	3	6	10
	ROBERTS	11,678	1.0	26.5	4,005	5	3	9	5	17
	SANBORN	3,697	- 7.3	0.0	1,313	5	5	8	6	15
	SHANNON	8,198	14.9	42.0	2,229	6	4	17	7	46
	SPINK	10,595	- 6.0	27.8	3,582	3	2	5	6	18
	STANLEY	2,457	3.3	0.0	1,012	14	1	3	9	19
	SULLY	2,362	- 7.7	0.0	824	4	0	12	4	14
	TODD	6,606	10.8	0.0	1,836	5	6	24	2	41
	TRIPP	8,171	1.6	47.7	3,059	6	1	5	6	13
	TURNER	9,872	- 5.1	0.0	3,449	4	5	5	6	10
	UNION	9,643	8.1	8.8	3,701	4	13	6	6	11
	WALWORTH	7,842	0.1	58.4	2,891	6	3	7	10	11
	WASHABAUGH	1,389	10.6	0.0	330	3	1	6	1	18

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
SD	WASHINGTON	0	0.0	0.0	0	0	0	0	0	0
	YANKTON	19,039	-5.7	61.2	7,679	4	10	9	5	18
	ZIEBACH	2,221	20.3	0.0	885	3	2	14	6	25
TN	TENNESSEE	3,926,018	6.7	58.8	1,526,055	6	30	7	8	16
	ANDERSON	60,300	1.5	56.4	22,605	7	37	8	8	24
	BEDFORD	25,039	2.7	49.0	10,826	7	39	4	9	13
	BENTON	12,126	4.4	25.1	4,614	10	35	4	6	19
	BLEDSOE	7,643	13.3	0.0	2,344	11	35	8	3	21
	BLOUNT	63,744	9.2	42.1	24,119	7	35	8	7	14
	BRADLEY	50,686	15.7	50.8	21,674	5	48	5	6	10
	CAMPBELL	26,045	17.8	26.5	7,201	13	28	8	6	19
	CANNON	8,467	10.8	0.0	3,407	8	41	4	5	13
	CARROLL	25,741	2.6	33.3	10,947	5	46	5	5	14
	CARTER	43,259	6.1	28.8	15,715	8	42	7	5	15
	CHEATHAM	13,199	21.6	0.0	4,986	15	31	5	7	13
	CHESTER	9,927	11.0	36.1	3,827	9	37	7	6	11
	CLAIBORNE	19,420	16.6	0.0	5,884	7	25	13	5	18
	CLAY	6,624	1.0	0.0	2,363	11	33	9	6	22
	COCKE	25,283	10.0	29.0	9,022	6	50	7	5	14
	COFFEE	32,572	4.4	64.1	12,685	7	26	6	21	15
	CROCKETT	14,402	1.8	0.0	5,259	7	39	6	4	13
	CUMBERLAND	20,733	15.8	26.0	7,022	8	33	5	6	13
	DAVIDSON	447,877	0.7	97.4	189,793	6	21	8	9	15
	DECATUR	9,457	-0.7	0.0	3,930	7	47	4	5	11
	DE KALB	11,151	11.6	26.9	4,823	11	37	4	6	14
	DICKSON	21,977	19.2	25.8	8,693	10	37	4	5	15
	DYER	30,427	2.5	47.7	12,700	7	36	5	7	13
	FAYETTE	22,692	5.7	0.0	6,805	7	25	7	9	16
	FENTRESS	12,593	10.1	0.0	4,143	7	36	9	4	22
	FRANKLIN	27,289	3.5	21.4	10,390	7	24	13	12	19
	GIBSON	47,871	-1.3	50.2	19,958	6	45	4	7	13
	GILES	22,138	3.4	31.6	8,903	7	40	5	8	12
	GRAINGER	13,948	11.4	0.0	4,922	11	41	5	4	8
	GREENE	47,630	4.8	28.8	19,267	7	37	5	5	11
	GRUNDY	10,631	15.4	0.0	3,475	9	33	6	5	14
	HAMBLEN	38,696	11.6	52.5	15,889	5	45	4	5	7
	HAMILTON	255,077	4.2	80.8	104,796	6	31	7	8	14
	HANCOCK	6,719	-3.5	0.0	1,679	8	29	11	4	23
	HARDEMAN	22,435	-1.5	29.7	7,123	5	35	6	7	22
	HARDIN	18,212	8.8	30.6	7,025	7	39	6	6	14
	HAWKINS	33,757	10.5	29.2	11,687	9	42	5	5	13
	HAYWOOD	19,596	4.1	35.8	6,352	7	24	6	8	17
	HENDERSON	17,360	10.1	28.7	6,640	7	45	4	4	14
	HENRY	23,749	4.4	41.7	9,283	6	31	5	9	14
	HICKMAN	12,096	10.4	21.4	4,480	9	43	2	6	13
	HOUSTON	5,853	8.3	0.0	1,995	16	28	5	5	38
	HUMPHREYS	13,560	9.7	28.0	4,782	11	33	3	6	18
	JACKSON	8,141	2.3	0.0	2,834	9	39	6	3	16
	JEFFERSON	24,940	10.2	20.5	9,732	6	37	8	4	10

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
TN	JOHNSON	11,569	10.6	0.0	4,231	9	47	5	4	12
	KNOX	276,293	6.8	69.1	107,623	6	22	11	8	20
	LAKE	8,074	-7.8	0.0	2,621	5	35	3	9	12
	LAUDERDALE	20,271	9.2	23.6	6,550	5	32	5	7	14
	LAWRENCE	29,097	11.2	30.5	10,233	8	46	4	5	13
	LEWIS	6,761	15.7	51.6	2,602	10	46	6	4	14
	LINCOLN	24,318	5.8	28.9	9,980	8	32	6	7	19
	LOUDON	24,266	8.6	37.3	9,847	7	46	4	6	17
	MC MINN	35,462	11.4	43.8	14,033	6	45	5	5	10
	MC NAIRY	18,369	10.5	19.2	6,754	7	43	4	5	15
	MACON	12,315	9.8	21.0	5,207	6	39	6	4	13
	MADISON	65,774	9.4	60.9	25,436	7	25	8	9	17
	MARION	20,577	5.5	18.0	6,933	9	36	6	4	16
	MARSHALL	17,319	4.2	41.6	7,433	6	46	3	5	10
	MAURY	44,028	2.7	57.6	17,574	7	32	5	8	12
	MEIGS	5,219	15.1	0.0	1,978	11	44	6	5	15
	MONROE	23,475	8.1	29.6	8,790	7	42	6	5	10
	MONTGOMERY	62,721	17.8	65.4	19,427	5	23	8	8	26
	MOORE	3,568	-2.3	0.0	1,667	9	43	4	6	12
	MORGAN	13,619	5.9	0.2	3,964	7	42	7	5	24
	OBION	30,247	8.5	48.7	12,446	5	33	5	8	12
	OVERTON	14,866	4.6	20.5	5,421	6	44	6	7	12
	PERRY	5,238	11.0	0.0	2,088	6	55	4	4	11
	PICKETT	3,774	8.2	0.0	1,293	10	43	10	2	23
	POLK	11,669	3.6	0.0	4,241	8	41	5	4	13
	PUTNAM	35,487	14.9	40.2	13,439	8	30	13	7	20
	RHEA	17,202	18.1	25.4	6,248	5	45	8	4	18
	ROANE	38,881	4.5	53.5	15,493	7	48	4	5	17
	ROBERTSON	29,102	9.7	33.4	11,057	8	30	5	6	12
	RUTHERFORD	59,428	15.8	58.7	23,112	7	24	11	8	21
	SCOTT	14,762	12.4	16.9	4,394	4	32	8	6	21
	SEQUATCHIE	6,331	13.1	0.0	2,197	11	39	8	2	13
	SEVIER	28,241	13.9	9.4	11,277	12	27	5	10	12
	SHELBY	722,111	3.2	94.2	278,926	5	20	7	10	17
	SMITH	12,509	6.9	0.0	5,413	9	30	5	5	11
	STEWART	7,319	10.8	0.0	2,566	7	29	5	6	29
	SULLIVAN	127,329	5.6	55.6	51,082	7	41	5	6	11
	SUMNER	56,266	24.3	50.4	22,863	9	35	4	6	11
	TIPTON	28,001	5.2	20.7	8,797	7	25	5	7	18
	TROUSDALE	5,155	2.7	0.0	2,387	5	39	4	6	8
	UNICOI	15,254	2.4	47.4	5,481	5	42	6	4	11
	UNION	9,072	12.2	0.0	3,231	10	39	2	6	12
	VAN BUREN	3,758	10.0	0.0	1,562	9	61	3	0	13
	WARREN	26,972	9.2	39.5	11,200	6	40	5	7	9
	WASHINGTON	73,924	9.5	45.7	28,006	8	30	10	6	17
	WAYNE	12,365	6.8	0.0	4,691	5	58	4	4	13
	WEAKLEY	28,827	6.1	28.0	11,573	5	35	12	5	22
	WHITE	16,329	9.0	30.1	6,456	6	49	4	5	10
	WILLIAMSON	34,423	28.9	27.4	13,823	8	24	6	9	11

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
TN	WILSON	36,999	21.0	33.8	15,208	8	36	5	6	10
TX	TEXAS	11,196,655	9.3	79.8	4,297,786	7	18	7	9	15
	ANDERSON	27,789	10.1	52.3	9,493	7	17	6	9	13
	ANDREWS	10,372	9.1	84.2	4,217	5	4	10	7	14
	ANGELINA	49,349	10.6	53.9	17,750	8	35	7	7	12
	ARANSAS	8,902	19.4	50.5	2,960	9	10	4	17	11
	ARCHER	5,759	7.2	0.0	2,289	6	4	8	5	19
	ARMSTRONG	1,895	-3.5	0.0	698	5	8	6	7	15
	ATASCOSA	18,696	6.0	44.8	6,159	9	5	8	8	17
	AUSTIN	13,831	9.5	19.9	4,926	13	10	4	9	10
	BAILEY	8,487	-1.9	53.3	3,207	3	4	10	6	15
	BANDERA	4,747	30.1	0.0	1,807	13	10	6	13	18
	BASTROP	17,297	16.5	57.7	6,328	10	13	9	11	20
	BAYLOR	5,221	-5.0	69.0	2,194	4	3	6	12	13
	BEE	22,737	2.5	58.7	6,652	10	3	11	10	23
	BELL	124,483	28.5	84.8	33,848	6	12	6	10	22
	BEXAR	830,460	9.6	94.9	275,947	6	11	7	9	25
	BLANCO	3,567	17.9	0.0	1,467	11	4	4	9	17
	BORDEN	888	-12.0	0.0	335	3	3	28	0	10
	BOSQUE	10.966	11.2	26.7	4,483	10	20	4	7	13
	BOWIE	68,909	1.1	63.6	26,664	5	24	6	8	27
	BRAZORIA	108,312	13.4	61.3	40,987	13	29	7	7	12
	BRAZOS	57,978	24.7	88.8	22,500	6	8	30	10	38
	BREWSTER	7,780	0.7	78.8	2,939	5	2	23	11	32
	BRISCOE	2,794	-2.8	0.0	1,005	9	1	6	4	11
	BROOKS	8,005	-4.1	83.8	2,341	10	2	11	10	23
	BROWN	25,877	21.3	67.1	10,182	9	17	7	8	11
	BURLESON	9,999	5.0	0.0	3,533	6	22	11	9	16
	BURNET	11,420	33.2	27.0	3,821	14	4	7	9	17
	CALDWELL	21,178	3.8	52.9	6,365	10	9	11	10	21
	CALHOUN	17,831	-1.0	58.5	6,045	13	27	8	6	14
	CALLAHAN	8,205	13.0	0.0	3,044	9	11	8	7	17
	CAMERON	140,368	20.6	77.6	43,014	7	11	9	9	17
	CAMP	8,005	-1.5	48.0	2,603	3	28	4	6	11
	CARSON	6,358	-6.2	0.0	2,450	5	15	7	6	15
	CASS	24,133	9.1	20.7	8,248	10	33	6	6	17
	CASTRO	10,394	-1.7	39.4	3,555	3	3	7	7	14
	CHAMBERS	12,187	6.5	0.0	4,438	11	12	7	7	14
	CHEROKEE	32,008	4.7	46.4	11,682	8	25	7	8	17
	CHILDRESS	6,605	-1.0	84.7	2,876	10	11	4	9	17
	CLAY	8,079	5.6	37.2	3,065	9	14	5	6	18
	COCHRAN	5,326	-7.2	48.1	1,733	3	1	7	4	14
	COKE	3,087	9.9	0.0	1,265	6	5	8	6	15
	COLEMAN	10,288	-1.0	54.8	3,770	10	8	6	8	13
	COLLIN	66,920	38.7	58.4	27,846	7	33	6	7	12
	COLLINGSWORTH	4,755	-4.8	62.3	1,827	6	4	5	8	12
	COLORADO	17,638	-1.5	39.5	6,766	8	5	3	11	7
	COMAL	24,165	17.6	73.9	9,671	9	26	7	7	16
	COMANCHE	11,898	2.3	33.1	4,583	9	12	4	5	11

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TX	CONCHO	2,937	- 3.6	0.0	1,138	3	1	4	6	15
	COOKE	23,471	6.8	58.9	9,423	6	23	8	8	12
	CORYELL	35,311	43.2	69.3	6,963	7	6	9	9	35
	COTTLE	3,204	- 7.0	0.0	1,326	4	3	7	7	18
	CRANE	4,172	- 7.3	84.2	1,624	2	2	6	5	15
	CROCKETT	3,885	5.8	77.2	1,441	7	2	5	15	19
	CROSBY	9,085	- 5.4	0.0	3,100	3	5	6	8	12
	CULBERSON	3,429	6.6	0.0	1,292	16	2	9	13	19
	DALLAM	6,012	5.8	75.5	2,487	6	6	4	11	7
	DALLAS	1,327,695	5.4	99.0	592,213	6	23	5	9	10
	DAWSON	16,604	- 4.9	69.2	5,984	4	5	7	11	13
	DEAF SMITH	18,999	2.2	70.6	6,955	6	7	7	8	12
	DELTA	4,927	- 6.4	0.0	1,826	6	19	5	7	11
	DENTON	75,633	33.7	65.0	32,003	8	21	19	6	27
	DE WITT	18,660	- 2.6	50.4	6,826	7	16	6	8	13
	DICKENS	3,737	- 8.9	0.0	1,262	5	1	6	7	18
	DIMMIT	9,039	17.6	59.8	2,606	6	5	10	9	20
	DONLEY	3,641	2.7	0.0	1,416	7	3	8	9	16
	DUVAL	11,722	0.8	58.4	3,608	13	3	11	8	22
	EASTLAND	18,092	1.9	57.3	6,906	7	12	7	8	13
	ECTOR	92,660	6.6	89.4	37,524	9	11	7	9	11
	EDWARDS	2,107	- 2.4	0.0	632	6	1	8	2	16
	ELLIS	46,638	10.3	52.8	19,113	7	28	5	9	10
	EL PASO	359,291	15.4	96.3	112,825	6	17	9	8	22
	ERATH	18,141	6.9	67.1	6,956	8	10	11	8	20
	FALLS	17,300	- 5.6	37.0	5,654	7	11	6	12	16
	FANNIN	22,705	1.3	34.4	8,336	7	32	5	7	14
	FAYETTE	17,650	- 2.2	18.3	7,166	8	5	5	9	10
	FISHER	6,344	- 10.8	0.0	2,235	5	10	5	7	12
	FLOYD	11,044	- 2.5	37.2	3,693	3	1	6	8	13
	FOARD	2,211	- 1.3	0.0	827	10	5	3	9	18
	FORT BEND	52,314	42.7	55.3	18,342	10	23	6	8	11
	FRANKLIN	5,291	23.3	17.9	1,980	12	21	4	10	11
	FREESTONE	11,116	8.6	25.8	3,962	14	7	9	9	15
	FRIO	11,159	2.7	51.6	3,491	8	2	9	6	14
	GAINES	11,593	- 2.5	45.5	4,272	4	5	9	6	13
	GALVESTON	169,812	7.2	89.9	67,530	9	20	6	8	19
	GARZA	5,289	- 4.2	73.9	2,129	7	23	5	7	13
	GILLESPIE	10,553	7.1	50.3	4,350	10	11	4	7	12
	GLASSCOCK	1,155	- 2.0	0.0	420	4	1	6	1	18
	GOLIAD	4,869	- 3.2	0.0	1,633	13	2	8	10	20
	GONZALES	16,375	0.7	36.1	6,164	7	13	5	8	15
	GRAY	26,949	- 6.7	80.3	11,377	7	19	5	10	12
	GRAYSON	83,225	- 5.1	69.8	32,355	7	29	6	7	11
	GREGG	75,929	6.5	75.2	29,716	7	23	7	10	9
	GRIMES	11,855	2.7	43.1	4,094	9	11	8	11	14
	GUADALUPE	33,554	14.4	59.3	12,203	8	14	8	10	19
	HALE	34,137	4.9	61.1	12,562	6	6	8	9	11
	HALL	6,015	- 3.6	59.5	2,355	5	8	4	6	14

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TX	HAMILTON	7,198	3.1	37.4	3,001	6	10	5	7	12
	HANSFORD	6,351	- 5.9	57.1	2,404	5	4	9	7	12
	HARDEMAN	6,795	- 4.7	53.7	2,647	8	14	4	9	15
	HARDIN	29,996	16.6	25.7	10,588	10	28	7	7	10
	HARRIS	1,741,912	12.7	95.5	733,789	8	20	6	10	10
	HARRISON	44,841	- 0.9	51.2	16,732	7	29	9	10	12
	HARTLEY	2,782	16.8	49.6	958	3	2	8	7	9
	HASKELL	8,512	- 7.0	46.0	3,171	5	2	5	8	11
	HAYS	27,642	28.2	68.2	10,388	7	8	30	8	34
	HEMPHILL	3,084	21.7	0.0	1,164	5	2	4	12	12
	HENDERSON	26,466	15.7	36.4	9,491	11	23	7	8	13
	HIDALGO	181,535	21.6	74.1	55,321	6	7	10	8	16
	HILL	22,596	1.1	32.4	8,347	7	19	6	7	12
	HOCKLEY	20,396	2.5	55.9	7,471	5	2	11	7	13
	HOOD	6,368	60.5	0.0	2,487	9	22	6	7	15
	HOPKINS	20,710	3.1	51.0	8,185	7	24	4	7	10
	HOUSTON	17,855	- 1.4	37.1	5,385	6	17	8	12	20
	HOWARD	37,796	- 1.0	76.3	13,458	5	11	8	7	24
	HUDSPETH	2,392	19.1	0.0	834	8	3	11	8	22
	HUNT	47,948	3.5	65.9	19,533	6	27	12	7	19
	HUTCHINSON	24,443	0.1	68.4	10,040	6	26	7	7	12
	IRION	1,070	2.6	0.0	387	8	5	4	7	13
	JACK	6,711	- 4.0	53.6	2,466	8	8	10	6	18
	JACKSON	12,975	- 1.5	41.1	4,640	10	8	8	9	15
	JASPER	24,692	8.1	25.3	8,136	9	30	5	10	10
	JEFF DAVIS	1,527	- 4.6	0.0	602	9	0	15	12	39
	JEFFERSON	246,402	- 2.9	95.0	93,914	7	28	7	9	11
	JIM HOGG	4,654	3.1	92.5	1,594	13	4	7	9	20
	JIM WELLS	33,032	1.4	72.6	11,031	8	4	8	10	14
	JOHNSON	45,769	23.6	51.1	18,118	7	28	5	7	11
	JONES	16,106	- 2.8	65.4	6,176	5	7	5	10	11
	KARNES	13,462	- 2.5	53.4	4,474	6	3	9	10	14
	KAUFMAN	32,392	13.8	56.1	11,754	10	15	5	9	18
	KENDALL	6,964	20.7	0.0	2,713	11	6	6	14	22
	KENEDY	678	- 10.9	0.0	304	0	3	5	12	10
	KENT	1,434	- 13.0	0.0	620	11	0	9	0	17
	KERR	19,454	13.0	65.7	6,823	9	9	7	9	24
	KIMBLE	3,904	7.9	64.9	1,637	15	2	6	7	17
	KING	464	- 9.5	0.0	215	2	0	2	2	16
	KINNEY	2,006	12.8	0.0	705	6	0	8	13	20
	KLEBERG	33,166	- 1.9	86.2	10,204	9	8	19	9	28
	KNOX	5,972	- 5.4	0.0	2,117	5	1	9	7	17
	LAMAR	36,062	4.4	65.0	14,307	7	27	6	9	10
	LAMB	17,770	- 6.4	38.5	6,112	4	3	7	9	9
	LAMPASAS	9,323	31.6	62.5	3,328	9	9	6	9	22
	LA SALLE	5,014	4.3	78.6	1,458	13	0	12	10	25
	LAVACA	17,903	- 3.1	35.2	6,355	8	21	6	8	11
	LEE	8,048	6.4	34.6	2,798	12	13	4	6	10
	LEON	8,738	2.5	0.0	2,779	11	7	9	11	19

STATE AND COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
TX LIBERTY	33,014	12.6	45.5	11,327	13	13	7	10	11
LIMESTONE	18,100	-1.2	32.7	5,837	7	12	13	8	29
LIPSCOMB	3,486	-1.5	0.0	1,331	9	1	9	6	17
LIVE OAK	6,697	-5.9	0.0	2,177	12	3	7	7	20
LLANO	6,979	24.5	39.8	2,722	10	3	5	16	16
LOVING	164	-30.5	0.0	26	57	0	0	0	0
LUBBOCK	179,295	9.7	89.3	70,121	6	11	12	9	18
LYNN	9,107	-8.3	34.3	3,032	4	2	5	9	9
MC CULLOCH	8,571	-3.3	69.2	3,400	8	12	6	9	16
MC LENNAN	147,553	6.2	83.5	58,996	6	20	10	9	15
MC MULLEN	1,095	-22.1	0.0	423	12	1	5	6	19
MADISON	7,693	5.7	36.2	2,121	11	4	7	12	23
MARION	8,517	-15.0	33.7	2,752	9	25	5	12	14
MARTIN	4,774	3.1	0.0	1,696	6	2	7	7	10
MASON	3,356	-0.8	0.0	1,327	5	3	5	7	14
MATAGORDA	27,913	-1.4	55.5	10,046	10	13	7	10	12
MAVERICK	18,093	17.9	86.2	5,068	5	17	11	5	20
MEDINA	20,249	7.1	43.3	6,686	9	11	6	9	19
MENARD	2,646	-8.8	0.0	951	5	1	6	4	11
MIDLAND	65,433	6.5	92.6	27,495	5	6	7	12	11
MILAM	20,028	-0.6	51.1	7,107	6	20	5	9	10
MILLS	4,212	0.3	0.0	1,504	7	5	4	9	7
MITCHELL	9,073	-2.1	60.3	3,447	6	6	8	6	17
MONTAGUE	15,326	7.1	52.3	5,911	9	20	5	7	11
MONTGOMERY	49,479	68.6	24.2	17,553	15	16	6	8	12
MOORE	14,060	-0.7	69.6	5,678	6	19	7	6	12
MORRIS	12,310	6.7	21.4	4,172	3	38	6	6	13
MOTLEY	2,178	-17.3	0.0	795	9	1	8	10	13
NACOGDOCHES	36,362	17.2	62.0	13,996	5	22	17	8	23
NAVARRO	31,150	0.7	65.0	12,302	6	20	6	10	16
NEWTON	11,657	3.9	0.0	3,209	13	36	6	5	19
NOLAN	16,220	-1.3	73.9	6,256	4	15	6	10	12
NUECES	237,544	4.2	94.0	84,879	8	11	7	10	19
OCHILTREE	9,704	-7.1	79.9	3,826	6	3	6	10	9
OLDHAM	2,258	12.7	0.0	827	7	0	8	8	20
ORANGE	71,170	5.9	66.3	25,667	10	36	6	6	10
PALO PINTO	28,962	-28.6	66.3	9,433	5	18	11	7	18
PANOLA	15,894	3.2	33.9	5,402	12	21	7	8	14
PARKER	33,888	1.6	42.7	12,457	8	21	8	5	16
PARMER	10,509	-1.6	28.6	3,923	3	6	6	7	11
PECOS	13,748	0.3	59.9	5,068	7	5	9	9	14
POLK	14,457	28.9	27.1	4,525	11	21	7	11	15
POTTER	90,511	-2.9	95.6	38,043	7	12	5	12	12
PRESIDIO	4,842	-4.9	56.8	1,555	9	0	6	13	21
RAINS	3,752	16.7	0.0	1,189	16	20	8	5	22
RANDALL	53,885	18.9	90.4	23,315	5	7	11	7	18
REAGAN	3,239	7.0	0.0	1,262	5	2	9	7	14
REAL	2,013	15.4	0.0	727	5	7	9	8	17
RED RIVER	14,298	1.6	23.4	4,549	9	26	6	7	23

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
TX	REEVES	16,526	- 4.2	77.5	5,940	11	6	8	14	15
	REFUGIO	9,494	- 9.3	48.2	3,621	7	5	7	12	14
	ROBERTS	967	7.7	0.0	328	4	14	7	4	8
	ROBERTSON	14,389	- 0.5	36.0	4,505	10	10	9	12	15
	ROCKWALL	7,046	28.0	47.9	2,865	10	25	6	10	11
	RUNNELS	12,108	- 4.2	60.0	4,435	8	8	6	8	11
	RUSK	34,102	7.0	36.8	12,608	8	21	7	11	12
	SABINE	7.187	2.9	0.0	2,341	8	34	6	6	11
	SAN AUGUSTINE	7,858	3.6	32.3	2,443	11	27	5	12	12
	SAN JACINTO	6,702	26.0	0.0	1,942	15	16	7	12	16
	SAN PATRICIO	47,288	5.1	64.5	15,651	10	12	8	8	13
	SAN SABA	5,540	11.8	49.6	1,934	6	3	6	11	16
	SCHLEICHER	2,277	13.6	0.0	960	7	2	7	8	17
	SCURRY	15,760	7.1	71.9	5,864	7	6	8	9	13
	SHACKELFORD	3,323	1.0	0.0	1,324	6	7	4	5	13
	SHELBY	19,672	2.7	25.4	6,672	8	25	5	7	12
	SHERMAN	3,657	- 2.8	0.0	1,449	7	3	8	6	12
	SMITH	97,096	10.6	61.6	39,783	6	24	6	9	10
	SOMERVELL	2,793	9.7	0.0	1,011	10	16	3	9	13
	STARR	17,707	16.7	32.1	4,280	6	3	19	5	27
	STEPHENS	8,414	0.0	74.1	3,365	7	17	4	10	9
	STERLING	1,056	- 1.7	0.0	426	12	0	4	7	24
	STONEWALL	2,397	- 13.1	0.0	929	6	2	4	5	11
	SUTTON	3,175	38.2	0.0	1,292	10	2	8	10	21
	SWISHER	10,373	- 1.1	55.1	3,861	5	3	6	8	11
	TARRANT	715,587	3.2	96.7	303,820	6	31	6	7	12
	TAYLOR	97,853	5.7	92.2	36,482	6	11	12	10	15
	TERRELL	1,940	- 5.8	0.0	646	3	0	11	10	13
	TERRY	14,118	- 0.3	68.7	5,131	5	3	6	10	13
	THROCKMORTON	2,205	- 0.8	0.0	837	5	8	7	7	19
	TITUS	16,702	7.8	52.4	6,599	8	22	5	11	13
	TOM GREEN	71,047	5.3	89.9	26,509	6	11	8	11	17
	TRAVIS	295,516	21.6	89.5	121,608	8	8	15	10	34
	TRINITY	7,628	2.5	29.2	2,503	10	19	9	7	21
	TYLER	12,417	10.6	22.0	3,833	10	27	9	8	16
	UPSHUR	20,976	17.2	25.7	7,162	7	27	12	8	10
	UPTON	4,697	- 1.9	58.1	1,804	5	2	8	6	22
	UVALDE	17,348	14.6	62.0	5,980	8	5	9	10	18
	VAL VERDE	27,471	15.2	90.4	7,299	8	8	9	9	26
	VAN ZANDT	22,155	21.4	11.4	8,347	12	20	5	7	13
	VICTORIA	53,766	8.0	76.9	20,240	8	16	8	10	12
	WALKER	27,680	34.4	63.4	8,797	7	5	23	8	41
	WALLER	14,285	9.9	28.1	5,034	6	9	21	10	31
	WARD	13,019	- 5.8	64.0	4,796	6	4	8	9	13
	WASHINGTON	18,842	2.5	47.4	7,421	8	15	6	9	11
	WEBB	72,859	7.2	96.2	20,360	6	6	9	9	21
	WHARTON	36,729	- 2.0	44.8	13,566	7	8	10	10	14
	WHEELER	6,434	- 5.6	42.5	2,493	6	7	6	10	13
	WICHITA	120,563	1.4	95.6	40,667	5	10	6	11	22

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
TX	WILBARGER	15,355	1.1	73.8	5,929	6	9	6	10	20
	WILLACY	15,570	2.9	52.5	4,496	3	2	14	6	17
	WILLIAMSON	37,305	29.5	50.2	14,783	9	15	10	8	15
	WILSON	13,041	8.1	28.4	4,471	8	7	5	8	18
	WINKLER	9,640	- 5.7	80.3	3,858	7	3	8	6	14
	WISE	19,687	10.8	35.9	7,130	5	24	6	7	12
	WOOD	18,589	14.7	31.9	6,578	8	17	8	9	11
	YOAKUM	7,344	- 1.0	56.4	2,803	3	3	8	7	12
	YOUNG	15,400	3.6	76.0	6,295	7	12	5	11	12
	ZAPATA	4,352	11.2	0.0	1,029	15	12	18	3	27
	ZAVALA	11,370	0.7	71.1	3,098	4	14	11	7	16
UT	UTAH	1,059,273	13.9	80.6	399,162	5	14	11	6	25
	BEAVER	3,800	7.4	0.0	1,451	8	5	7	8	15
	BOX ELDER	28,129	3.1	59.6	10,475	4	24	10	5	28
	CACHE	42,331	14.0	60.8	15,402	6	14	26	4	37
	CARBON	15,647	16.8	40.4	5,569	6	5	11	6	24
	DAGGETT	666	16.7	0.0	207	13	0	1	16	50
	DAVIS	99,028	14.5	86.1	33,987	4	11	9	5	39
	DUCHESNE	7,299	75.4	0.0	2,482	6	5	16	4	33
	EMERY	5,137	20.3	0.0	1,671	14	5	9	8	34
	GARFIELD	3,157	2.8	0.0	1,073	10	16	13	9	28
	GRAND	6,688	- 5.8	76.5	2,437	6	3	6	10	16
	IRON	12,177	21.9	74.7	4,794	7	6	17	8	30
	JUAB	4,574	7.3	66.4	1,717	4	28	9	4	17
	KANE	2,421	37.0	0.0	885	8	13	4	12	23
	MILLARD	6,988	10.6	0.0	2,684	5	6	12	7	21
	MORGAN	3,983	11.4	0.0	1,493	6	16	11	4	35
	PIUTE	1,164	7.0	0.0	432	6	17	14	3	28
	RICH	1,615	4.6	0.0	619	4	14	12	3	28
	SALT LAKE	458,607	12.1	95.1	180,017	5	15	9	7	17
	SAN JUAN	9,606	24.6	0.0	2,686	13	4	13	5	38
	SANPETE	10,976	7.9	0.0	4,071	6	16	15	5	19
	SEVIER	10,103	14.8	46.0	3,891	8	13	8	4	19
	SUMMIT	5,879	12.1	0.0	2,239	8	8	8	9	23
	TOOELE	21,545	5.6	71.7	8,076	2	11	5	4	61
	UINTAH	12,684	36.5	32.7	4,383	6	5	8	5	19
	UTAH	137,776	22.9	87.6	48,533	5	20	22	5	15
	WASATCH	5,863	13.4	55.3	2,002	10	10	8	5	19
	WASHINGTON	13,669	32.1	51.8	4,525	12	8	12	7	22
	WAYNE	1,483	16.5	0.0	544	12	5	13	12	34
	WEBER	126,278	5.8	87.4	50,817	3	11	8	5	42
VT	VERMONT	444,732	6.1	32.2	174,802	7	23	11	8	15
	ADDISON	24,266	5.7	0.0	9,449	6	20	19	6	13
	BENNINGTON	29,282	6.0	27.1	12,015	7	32	8	10	11
	CALEDONIA	22,789	8.1	0.0	8,620	7	23	10	7	14
	CHITTENDEN	99,131	6.9	61.0	39,875	6	23	13	7	15
	ESSEX	5,416	13.4	0.0	1,676	4	39	9	1	18
	FRANKLIN	31,282	5.2	34.2	11,547	5	25	7	7	13
	GRAND ISLE	3,574	12.1	0.0	1,301	8	16	10	9	18

STATE	AND COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
VT	LAMOILLE	13,309	16.2	0.0	5,356	12	13	11	15	16
	ORANGE	17,676	10.4	0.0	6,840	9	19	10	7	15
	ORLEANS	20,153	6.0	23.1	7,185	5	25	8	8	13
	RUTLAND	52,637	2.9	36.7	20,560	7	25	9	8	13
	WASHINGTON	47,659	3.6	45.3	18,475	9	16	11	6	23
	WINDHAM	33,476	3.6	38.0	13,581	9	22	11	7	12
	WINDSOR	44,082	4.6	12.8	18,122	8	32	8	8	14
VA	VIRGINA	4,651,448	6.8	63.1	1,766,740	7	22	7	7	23
	ACCOMACK	29,004	7.8	0.0	11,220	8	23	4	7	14
	ALBEMARLE	37,780	23.7	0.0	14,515	7	21	14	7	24
	ALLEGHANY	12,461	- 6.6	0.0	4,318	6	43	4	5	10
	AMELIA	7,592	10.8	0.0	2,812	11	25	7	11	15
	AMHERST	26,072	5.6	29.4	9,632	7	37	7	7	14
	APPOMATTOX	9,784	14.1	0.0	3,984	8	46	3	5	12
	ARLINGTON	174,284	- 12.8	0.0	84,698	4	5	6	8	43
	AUGUSTA	44,220	11.1	0.0	17,662	9	38	5	5	14
	BATH	5,192	7.7	0.0	2,141	6	15	3	40	12
	BEDFORD	25,242	12.9	1.8	10,643	8	42	4	7	10
	BLAND	5,423	1.0	0.0	1,940	10	39	5	4	19
	BOTETOURT	18,193	13.2	0.0	7,158	9	28	5	5	10
	BRUNSWICK	16,172	- 2.7	0.0	6,072	10	34	8	7	12
	BUCHANAN	32,071	5.1	0.0	8,637	5	6	7	4	12
	BUCKINGHAM	10,597	4.7	0.0	3,721	10	35	8	7	16
	CAMPBELL	34,248	17.0	25.6	18,309	7	46	5	6	10
	CAROLINE	13,925	14.2	0.0	4,840	10	25	6	9	19
	CARROLL	23,092	3.9	0.0	9,078	7	51	5	3	10
	CHARLES CITY	6,158	10.3	0.0	2,112	5	36	8	14	15
	CHARLOTTE	12,366	0.0	0.0	4,200	7	43	6	5	12
	CHESTERFIELD	77,045	32.4	53.8	32,013	8	28	8	5	22
	CLARKE	8,102	5.3	0.0	3,485	11	17	6	9	15
	CRAIG	3,524	9.1	0.0	1,245	16	34	9	4	26
	CULPEPER	18,218	13.7	33.2	7,111	15	14	5	10	18
	CUMBERLAND	6,179	16.2	0.0	2,130	8	25	8	10	16
	DICKENSON	16,077	11.1	0.0	3,706	7	6	11	3	20
	DINWIDDIE	21,668	- 7.4	37.7	7,891	9	34	7	6	22
	ELIZABETH CITY	0	0.0	0.0	0	0	0	0	0	0
	ESSEX	7,099	10.7	0.0	2,738	16	21	5	8	13
	FAIRFAX	454,275	13.2	69.1	167,132	5	6	8	8	39
	FAUQUIER	26,375	8.9	15.3	10,002	14	7	7	13	22
	FLOYD	9,775	3.0	0.0	3,643	10	45	4	2	16
	FLUVANNA	7,621	17.7	0.0	2,763	16	21	12	10	14
	FRANKLIN	28,163	9.8	14.9	10,722	7	43	8	5	8
	FREDERICK	24,107	14.0	0.0	11,812	9	29	4	5	9
	GILES	16,741	- 2.2	0.0	6,397	8	48	8	4	14
	GLOUCESTER	14,059	20.2	0.0	5,436	7	19	8	9	31
	GOOCHLAND	10,069	8.8	0.0	3,428	12	18	4	10	16
	GRAYSON	15,439	- 1.3	0.0	6,367	8	55	4	5	9
	GREENE	5,248	24.7	0.0	2,083	12	39	6	4	13
	GREENSVILLE	9,604	2.0	0.0	3,294	8	31	3	10	10

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VA	HALIFAX	30,076	0.0	0.0	10,322	7	42	5	6	10
	HANOVER	37,479	23.3	22.1	15,672	10	20	6	8	16
	HENRICO	154,364	10.5	83.6	69,993	7	18	6	6	16
	HENRY	50,901	8.3	17.8	22,707	6	59	4	4	6
	HIGHLAND	2,529	3.9	0.0	907	9	24	9	4	20
	ISLE OF WIGHT	18,285	7.5	15.1	6,705	8	41	4	7	12
	JAMES CITY	17,853	9.8	7.8	6,253	7	9	12	19	33
	KING AND QUEEN	5,491	2.8	0.0	2,026	9	36	5	12	16
	KING GEORGE	8,039	12.9	0.0	2,937	10	8	8	9	49
	KING WILLIAM	7,497	6.4	34.7	2,624	8	33	7	7	17
	LANCASTER	9,126	8.5	0.0	3,526	7	19	6	11	11
	LEE	20,321	17.6	0.0	5,356	8	10	11	5	23
	LOUDOUN	37,150	31.5	35.4	14,640	10	6	7	12	24
	LOUISA	14,004	15.8	0.0	5,167	15	36	5	6	13
	LUNENBERG	11,687	4.5	0.0	4,178	8	37	5	5	13
	MADISON	8,638	15.0	0.0	3,384	13	33	7	5	11
	MATHEWS	7,168	9.8	0.0	2,825	6	13	8	11	24
	MECKLENBURG	29,426	- 1.3	23.0	11,506	8	33	5	7	13
	MIDDLESEX	6,295	14.2	0.0	2,199	9	20	9	6	17
	MONTGOMERY	47,157	23.0	36.6	18,669	6	27	27	5	36
	NANSEMOND	0	0.0	0.0	0	8	0	5	8	22
	NELSON	11,702	0.0	0.0	4,057	12	36	5	7	13
	NEW KENT	5,300	35.9	0.0	2,076	10	27	4	14	20
	NORFOLK	0	0.0	0.0	0	0	0	0	0	0
	NORTHAMPTON	14,442	5.7	0.0	5,924	4	14	5	11	10
	NORTHUMBERLAND	9,239	1.6	0.0	3,289	7	24	6	11	13
	NOTTOWAY	14,260	- 1.9	23.9	5,273	5	20	7	8	22
	ORANGE	13,792	10.9	18.8	5,604	12	32	4	10	9
	PAGE	16,581	10.4	22.9	6,450	16	35	4	6	10
	PATRICK	15,282	4.5	0.0	6,501	6	57	3	4	7
	PITTSYLVANIA	58,789	6.5	0.0	23,047	6	49	5	5	8
	POWHATAN	7,696	38.0	0.0	2,521	9	18	9	10	24
	PRINCE EDWARD	14,379	10.1	29.5	5,671	8	22	17	8	19
	PRINCE GEORGE	24,371	- 23.2	42.8	6,139	7	28	5	8	23
	PRINCE WILLIAM	93,500	32.8	65.4	28,519	13	8	9	8	33
	PRINCESS ANNE	0	0.0	0.0	0	0	0	0	0	0
	PULASKI	29,564	10.3	34.6	12,302	6	49	4	5	11
	RAPPAHANNOCK	5,199	6.3	0.0	1,904	14	20	7	10	20
	RICHMOND	6,504	- 3.9	0.0	2,217	10	25	4	8	13
	ROANOKE	53,817	16.5	63.5	28,248	6	21	6	6	12
	ROCKBRIDGE	16,637	0.3	0.0	6,666	9	38	9	7	13
	ROCKINGHAM	47,890	9.7	6.2	20,804	8	34	9	6	9
	RUSSELL	24,533	5.2	0.0	7,738	8	18	7	3	14
	SCOTT	24,376	2.1	0.0	7,698	13	37	6	5	14
	SHENANDOAH	22,852	13.5	0.0	9,602	9	39	5	5	9
	SMYTH	31,349	3.3	32.6	12,183	7	44	5	4	16
	SOUTHAMPTON	18,582	- 3.1	0.0	6,312	9	27	5	9	14
	SPOTSYLVANIA	16,424	40.5	0.0	6,161	14	23	4	9	19
	STAFFORD	24,587	25.0	0.0	8,399	15	13	5	8	30

STATE AND COUNTY		1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
VA	SURRY	5,882	-5.6	0.0	2,191	10	27	6	8	14
	SUSSEX	11,464	-3.4	0.0	4,131	6	27	8	10	17
	TAZEWELL	39,816	12.6	35.6	12,446	6	18	5	6	10
	WARREN	15,301	21.0	55.8	6,373	13	30	5	5	12
	WARWICK	0	0.0	0.0	0	0	0	0	0	0
	WASHINGTON	36,033	9.2	11.7	14,734	8	30	7	6	15
	WESTMORELAND	12,142	8.5	0.0	4,252	12	20	6	10	23
	WISE	35,947	14.1	19.6	10,570	7	8	10	7	17
	WYTHE	22,139	5.3	26.5	8,713	12	33	5	6	15
	YORK	27,762	9.2	23.4	8,589	8	16	9	6	38
	ALEXANDRIA CITY	110,927	-3.2	0.0	52,811	5	6	6	9	38
	BEDFORD CITY	6,011	11.2	0.0	2,508	3	41	7	8	13
	BRISTOL CITY	19,659	3.9	0.0	5,597	7	30	7	8	9
	BUENA VISTA CITY	6,425	5.4	0.0	2,713	5	52	8	6	7
	CHARLOTTESVILLE CITY	38,880	3.9	0.0	17,539	5	12	17	8	35
	CHESAPEAKE CITY	89,580	15.9	92.2	32,088	9	22	6	7	28
	CLIFTON FORGE CITY	5,501	-5.7	0.0	2,174	3	17	9	7	13
	COLONIAL HEIGHTS CITY	15,097	13.9	0.0	6,492	5	25	5	5	25
	COVINGTON CITY	10,060	-6.4	0.0	3,894	5	49	5	6	8
	DANVILLE CITY	46,391	-0.9	0.0	20,857	5	41	6	8	11
	EMPORIA CITY	5,300	6.1	0.0	2,192	8	26	8	10	15
	FAIRFAX CITY	22,727	-6.7	0.0	8,641	7	5	9	7	38
	FALLS CHURCH CITY	10,772	-7.6	0.0	4,813	5	5	7	9	36
	FRANKLIN CITY	6,880	8.2	0.0	2,890	5	36	5	13	10
	FREDERICKSBURG CITY	14,450	18.4	0.0	6,221	7	15	16	8	29
	GALAX CITY	6,278	4.3	0.0	2,805	4	54	4	6	7
	HAMPTON CITY	120,779	7.0	0.0	41,686	6	23	9	7	28
	HARRISONBURG CITY	14,605	25.1	0.0	6,200	6	21	17	7	22
	HOPEWELL CITY	23,471	-0.6	0.0	9,158	5	42	5	5	17
	LEXINGTON CITY	7,597	-7.6	0.0	2,707	5	11	32	10	24
	LYNCHBURG CITY	64,640	-2.2	0.0	23,233	5	33	9	8	12
	MANASSES CITY	10,758	6.4	0.0	3,619	0	9	0	0	0
	MANASSES PARK CITY	6,844	35.7	0.0	2,200	0	8	0	0	0
	MARTINSVILLE CITY	19,653	-6.3	0.0	8,846	5	47	5	7	8
	NEWPORT NEWS CITY	138,177	0.0	0.0	47,084	5	28	7	7	23
	NORFOLK CITY	307,951	-7.3	0.0	89,741	7	10	7	10	29
	NORTON CITY	4,172	3.0	0.0	1,351	7	10	8	8	14
	PETERSBURG CITY	44,202	1.7	0.0	14,005	4	28	7	10	27
	POQUOSON CITY	5,441	27.2	0.0	2,013	0	20	0	0	0
	PORTSMOUTH CITY	110,963	-2.7	0.0	40,834	7	25	6	8	33
	RADFORD CITY	11,596	-0.4	0.0	4,524	3	34	22	5	30
	RICHMOND CITY	249,431	-8.9	0.0	107,329	6	20	8	9	21
	ROANOKE CITY	105,637	-3.2	0.0	39,790	5	19	6	10	12
	SALEM CITY	21,982	4.4	0.0	8,910	8	26	7	6	16
	SOUTH BOSTON CITY	6,889	-3.6	0.0	3,009	6	39	10	8	14
	SOUTH NORFOLK CITY	0	0.0	0.0	0	0	0	0	0	0
	STAUNTON CITY	24,504	-6.5	0.0	10,611	4	24	11	8	19
	SUFFOLK CITY	45,024	5.4	0.0	17,691	10	31	5	7	19
	VIRGINIA BEACH CITY	172,106	26.5	96.9	50,076	8	8	8	9	27

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VA	WARWICK CITY	0	0.0	0.0	0	0	0	0	0	0
	WAYNESBORO CITY	16,707	0.2	0.0	7,464	4	47	6	6	9
	WILLIAMSBURG CITY	9,069	17.0	0.0	3,725	1	4	29	16	42
	WINCHESTER CITY	19,429	9.6	0.0	6,509	6	23	5	9	10
WA	WASHINGTON	3,413,244	3.9	72.6	1,338,513	6	21	9	7	19
	ADAMS	12,014	8.1	34.3	4,931	4	14	6	4	17
	ASOTIN	13,799	7.3	74.8	5,133	7	20	8	8	12
	BENTON	67,540	12.2	65.8	27,149	6	18	7	19	13
	CHELAN	41,103	-1.8	40.9	17,191	6	13	7	6	16
	CLALLAM	34,770	17.7	47.0	12,580	6	29	6	6	17
	CLARK	128,454	19.2	64.0	50,371	7	28	7	5	16
	COLUMBIA	4,439	3.8	57.8	1,868	6	19	4	4	17
	COWLITZ	68,616	4.0	56.3	25,986	5	41	6	5	12
	DOUGLAS	16,787	13.4	0.0	6,896	8	11	6	5	19
	FERRY	3,655	22.2	0.0	1,465	7	12	9	6	41
	FRANKLIN	25,816	2.8	68.5	10,642	7	10	10	8	18
	GARFIELD	2,911	-2.2	0.0	1,041	12	0	3	10	20
	GRANT	41,881	8.1	51.1	16,435	6	13	8	5	23
	GRAYS HARBOR	59,553	1.9	58.0	22,811	5	34	7	7	15
	ISLAND	27,011	23.0	33.9	7,124	7	10	9	7	30
	JEFFERSON	10,661	11.0	48.4	3,902	7	28	6	4	24
	KING	1,159,369	-0.9	92.4	502,233	5	23	9	7	16
	KITSAP	101,732	14.6	44.2	36,549	4	32	6	6	47
	KITTITAS	25,039	1.5	54.2	9,900	6	5	26	7	35
	KLICKITAT	12,138	10.9	0.0	4,721	6	27	7	4	19
	LEWIS	45,467	7.5	34.7	16,375	8	27	7	6	16
	LINCOLN	9,572	1.0	0.0	3,731	6	7	9	7	19
	MASON	20,918	12.8	31.1	7,210	5	34	6	6	28
	OKANOGAN	25,867	6.8	16.1	10,082	7	11	6	5	22
	PACIFIC	15,796	2.1	20.1	5,885	4	34	5	7	17
	PEND OREILLE	6,025	25.0	0.0	2,053	5	22	8	4	26
	PIERCE	412,344	-0.6	82.5	135,915	6	19	9	6	21
	SAN JUAN	3,856	40.5	0.0	1,263	17	6	8	17	23
	SKAGIT	52,381	4.6	46.5	19,758	6	23	7	6	19
	SKAMANIA	5,845	-1.8	0.0	2,016	8	35	9	3	33
	SNOHOMISH	265,236	-1.0	71.7	104,173	8	27	7	6	14
	SPOKANE	287,487	6.1	85.7	107,328	5	12	9	9	16
	STEVENS	17,405	29.1	21.5	5,625	6	19	7	6	22
	THURSTON	76,894	21.2	54.1	30,434	9	13	8	6	37
	WAHKIAKUM	3,592	4.3	0.0	1,259	3	43	3	2	9
	WALLA WALLA	42,176	0.9	73.2	16,840	8	9	16	7	24
	WHATCOM	81,983	10.5	51.4	30,806	6	18	13	6	19
	WHITMAN	37,900	10.6	61.1	14,281	3	3	37	5	42
	YAKIMA	145,212	5.9	51.2	54,551	5	13	8	7	15
WV	WEST VIRGINIA	1,744,237	3.4	39.0	579,316	7	23	8	6	16
	BARBOUR	14,030	12.4	21.4	4,458	8	11	13	5	12
	BERKELEY	36,356	10.6	40.2	14,091	7	32	4	6	16
	BOONE	25,118	9.1	0.0	6,686	5	7	8	4	16
	BRAXTON	12,666	3.1	0.0	3,162	19	14	10	6	24

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WV	BROOKE	30,443	0.8	49.9	11,017	4	46	9	4	10
	CABELL	106,918	-2.3	67.0	39,788	6	26	8	7	15
	CALHOUN	7,046	8.3	0.0	1,877	12	28	7	5	34
	CLAY	9,330	2.5	0.0	1,968	7	20	10	5	21
	DODDRIDGE	6,389	4.0	0.0	1,904	14	22	8	4	17
	FAYETTE	49,332	6.1	13.5	12,553	5	15	10	6	18
	GILMER	7,782	1.9	0.0	2,357	5	15	25	5	42
	GRANT	8,607	0.0	0.0	2,953	9	29	5	5	12
	GREENBRIER	32,090	2.9	0.0	10,620	9	13	7	16	16
	HAMPSHIRE	11,710	10.0	0.0	4,273	7	24	10	5	20
	HANCOCK	39,749	1.7	65.6	14,599	3	55	5	4	8
	HARDY	8,855	4.1	0.0	3,178	11	30	6	4	15
	HARRISON	73,028	3.6	47.7	25,844	6	23	5	7	11
	JACKSON	20,903	5.9	35.1	6,780	11	38	8	5	16
	JEFFERSON	21,280	14.8	14.1	8,410	9	20	10	7	20
	KANAWHA	229,515	-1.2	68.5	85,642	8	19	6	7	16
	LEWIS	17,847	2.6	41.7	5,534	7	22	5	5	24
	LINCOLN	18,912	6.5	0.0	4,554	14	22	9	5	16
	LOGAN	46,269	-0.2	15.2	12,160	4	7	8	7	15
	MC DOWELL	50,666	1.1	8.0	11,971	2	4	9	4	16
	MARION	61,356	3.3	46.7	21,937	5	26	7	7	13
	MARSHALL	37,598	5.6	50.7	13,885	6	36	4	4	10
	MASON	24,306	3.4	25.2	7,576	9	28	6	5	16
	MERCER	63,206	5.0	36.7	21,288	6	14	10	9	18
	MINERAL	23,109	7.2	28.5	7,809	8	32	7	6	14
	MINGO	32,780	3.5	17.8	7,365	4	6	11	5	17
	MONONGALIA	63,714	7.0	54.1	22,907	6	11	25	7	37
	MONROE	11,272	5.2	0.0	3,445	10	30	8	7	21
	MORGAN	8,547	4.2	0.0	2,972	8	26	6	7	16
	NICHOLAS	22,552	8.7	16.5	6,573	6	12	7	4	14
	OHIO	63,439	-4.2	86.2	25,235	5	21	8	9	12
	PENDLETON	7,031	5.5	0.0	2,095	17	27	5	4	24
	PLEASANTS	7,274	6.4	0.0	2,331	10	33	10	3	27
	POCAHONTAS	8,870	-2.7	0.0	2,552	9	23	6	3	34
	PRESTON	25,455	5.0	10.0	7,915	8	23	8	4	19
	PUTNAM	27,625	10.1	17.5	9,013	13	31	6	5	14
	RALEIGH	70,080	9.3	28.4	20,327	5	7	7	6	15
	RANDOLPH	24,596	5.2	34.0	8,152	7	18	7	4	17
	RITCHIE	10,145	1.1	0.0	3,164	13	36	6	3	12
	ROANE	14,111	4.6	0.0	3,910	10	24	7	6	22
	SUMMERS	13,213	1.1	34.1	3,501	5	8	7	5	19
	TAYLOR	13,878	10.0	46.4	4,599	5	21	7	7	17
	TUCKER	7,447	2.4	0.0	2,411	8	31	8	5	28
	TYLER	9,929	1.1	10.8	3,035	8	44	5	5	15
	UPSHUR	19,092	11.5	38.5	6,158	7	21	14	6	16
	WAYNE	37,581	3.2	35.3	11,935	9	31	6	5	15
	WEBSTER	9,809	3.4	0.0	2,380	6	18	9	5	23
	WETZEL	20,314	1.6	44.7	6,425	8	43	5	6	11
	WIRT	4,154	9.0	0.0	1,285	10	41	7	4	19

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WV	WOOD	86,818	1.5	67.4	32,941	7	37	6	7	13
	WYOMING	30,095	7.3	10.0	7,816	4	7	7	4	14
WI	WISCONSIN	4,417,821	4.2	65.9	1,774,008	5	31	8	5	14
	ADAMS	9,234	25.2	0.0	3,141	11	24	5	5	17
	ASHLAND	16,743	-0.4	57.8	6,204	4	23	10	5	15
	BARRON	33,955	10.4	21.4	12,508	6	21	8	6	12
	BAYFIELD	11,683	5.8	0.0	4,084	9	22	8	6	22
	BROWN	158,244	8.9	81.6	59,613	5	27	7	6	11
	BUFFALO	13,743	2.7	0.0	5,130	7	16	8	5	12
	BURNETT	9,276	14.4	0.0	3,275	8	21	8	6	16
	CALUMET	27,604	5.2	44.5	10,404	4	42	5	4	8
	CHIPPEWA	47,717	4.0	34.4	16,763	5	29	6	4	17
	CLARK	30,361	5.9	9.1	11,133	4	22	6	4	10
	COLUMBIA	40,150	5.6	29.1	16,214	6	24	7	6	14
	CRAWFORD	15,252	5.7	36.3	5,671	7	12	10	5	13
	DANE	290,272	6.7	77.2	126,911	5	12	18	6	33
	DODGE	69,004	5.5	45.8	27,083	4	36	5	3	11
	DOOR	20,106	13.1	33.8	7,497	8	27	6	5	12
	DOUGLAS	44,657	-0.3	73.3	16,891	5	14	10	5	19
	DUNN	28,991	10.4	38.7	11,319	5	15	17	5	23
	EAU CLAIRE	67,219	7.8	69.2	27,989	5	22	10	6	17
	FLORENCE	3,298	6.2	0.0	1,071	6	26	8	4	16
	FOND DU LAC	84,567	4.3	57.2	33,971	4	32	7	5	9
	FOREST	7,691	12.7	0.0	2,389	3	32	8	6	18
	GRANT	48,398	1.9	33.0	17,765	5	17	13	5	19
	GREEN	26,714	8.0	41.8	11,323	5	22	6	4	11
	GREEN LAKE	16,878	3.3	31.4	6,767	7	29	5	5	9
	IOWA	19,306	-1.3	17.2	7,265	9	12	7	5	13
	IRON	6,533	-0.5	0.0	2,247	6	21	7	5	21
	JACKSON	15,325	3.1	21.4	5,938	6	15	5	3	18
	JEFFERSON	60,060	6.7	52.3	24,409	4	35	8	4	11
	JUNEAU	18,455	3.6	18.1	6,627	6	24	8	5	17
	KENOSHA	117,917	4.4	71.4	47,171	4	42	7	4	11
	KEWAUNEE	18,961	5.5	36.4	7,720	7	38	5	4	9
	LA CROSSE	80,468	5.7	74.7	31,816	5	25	9	6	13
	LAFAYETTE	17,456	2.3	0.0	6,488	5	14	7	5	15
	LANGLADE	19,220	3.2	47.0	6,710	5	22	8	5	14
	LINCOLN	23,499	7.6	54.9	9,006	6	34	7	5	13
	MANITOWOC	82,294	0.4	60.3	33,083	5	42	6	4	9
	MARATHON	97,457	7.5	49.6	38,307	4	30	6	5	9
	MARINETTE	35,810	3.6	43.4	12,766	5	37	6	4	11
	MARQUETTE	8,865	16.3	0.0	3,378	6	26	7	7	14
	MENOMINEE	2,607	8.6	0.0	633	9	42	11	3	30
	MILWAUKEE	1,054,249	-2.0	0.0	454,085	3	34	6	6	12
	MONROE	31,610	4.5	37.6	11,861	5	11	6	5	26
	OCONTO	25,553	5.4	28.1	8,650	5	32	5	4	12
	ONEIDA	24,427	16.3	33.6	8,918	7	25	6	7	15
	OUTAGAMIE	119,398	4.5	68.5	44,891	6	34	8	5	8
	OZAUKEE	54,461	16.7	67.3	22,105	5	41	7	4	10

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WI	PEPIN	7,319	4.3	0.0	2,531	9	13	9	3	14
	PIERCE	26,652	11.3	23.4	10,328	5	23	13	5	19
	POLK	26,666	11.6	0.0	10,240	7	23	7	5	13
	PORTAGE	47,541	11.1	49.4	18,326	5	19	13	4	17
	PRICE	14,520	7.8	19.9	4,829	6	30	7	5	17
	RACINE	170,838	2.9	75.9	68,255	3	44	7	5	11
	RICHLAND	17,079	-4.0	29.8	6,536	6	20	8	5	16
	ROCK	131,970	1.9	74.8	52,758	4	41	7	5	10
	RUSK	14,238	6.7	26.1	4,838	4	18	10	5	14
	ST CROIX	34,354	13.9	28.6	13,176	6	25	7	6	12
	SAUK	39,057	3.4	32.0	15,523	8	28	5	5	12
	SAWYER	9,670	19.6	0.0	2,913	7	12	10	10	22
	SHAWANO	32,650	5.5	19.9	11,788	5	27	6	5	9
	SHEBOYGAN	96,660	3.0	61.0	40,198	4	41	6	4	9
	TAYLOR	16,958	7.7	20.4	5,843	4	20	8	4	13
	TREMPEALEAU	23,344	1.9	0.0	8,644	6	21	6	5	11
	VERNON	24,557	3.8	15.2	9,389	5	14	6	5	13
	VILAS	10,958	22.7	0.0	3,645	12	18	5	9	16
	WALWORTH	63,444	3.8	38.7	26,345	6	29	11	8	15
	WASHBURN	10,601	15.8	0.0	3,779	5	16	7	7	22
	WASHINGTON	63,839	19.8	47.0	25,727	6	41	6	4	9
	WAUKESHA	231,335	9.6	80.2	92,390	6	33	6	5	10
	WAUPACA	37,780	8.8	35.4	13,828	6	28	6	5	14
	WAUSHARA	14,795	8.2	0.3	5,396	7	27	6	5	12
	WINNEBAGO	129,946	1.1	77.7	52,675	4	36	8	5	14
	WOOD	65,362	3.9	52.2	24,716	4	34	6	5	11
WY	WYOMING	332,416	12.6	60.4	129,577	6	6	10	8	21
	ALBANY	26,431	2.7	87.1	10,469	4	5	32	8	42
	BIG HORN	10,202	7.9	0.0	3,916	8	8	10	6	20
	CAMPBELL	12,957	-2.4	55.5	4,933	5	3	5	9	8
	CARBON	13,354	25.1	59.1	5,286	5	7	6	10	19
	CONVERSE	5,938	34.7	40.9	2,261	9	2	8	7	16
	CROOK	4,535	7.2	0.0	1,645	10	4	10	4	18
	FREMONT	28,352	9.3	53.2	10,748	8	6	10	6	20
	GOSHEN	10,885	7.5	39.0	4,204	6	7	9	5	17
	HOT SPRINGS	4,952	-3.0	62.3	1,852	7	4	7	7	22
	JOHNSON	5,587	0.3	62.6	2,240	12	3	8	10	15
	LARAMIE	56,360	12.5	80.3	20,219	7	6	9	9	28
	LINCOLN	8,640	13.1	0.0	3,130	8	10	10	7	20
	NATRONA	51,264	6.5	77.0	21,415	6	7	8	9	17
	NIOBRARA	2,924	-2.3	0.0	1,160	6	2	7	9	15
	PARK	17,752	4.9	56.0	7,104	5	8	10	8	19
	PLATTE	6,486	10.3	0.0	2,720	7	4	6	5	14
	SHERIDAN	17,852	11.7	60.8	6,957	6	4	9	10	23
	SUBLETTE	3,755	6.7	0.0	1,543	6	3	8	10	17
	SWEETWATER	18,391	66.8	87.1	7,304	7	8	6	9	14
	TETON	4,823	31.6	0.0	2,237	9	5	6	17	22
	UINTA	7,100	26.8	62.2	2,773	5	2	9	9	30
	WASHAKIE	7,569	6.2	68.0	3,080	5	8	8	7	16

STATE AND COUNTY	1970 POPULATION	PCT CHG 1975	PCT URB 1970	CIVILIAN LABOR FORCE	EMPLOYMENT PCT DISTRIBUTION CONS	MFG	EDU	SVC	GOV
WY WESTON	6,307	- 0.9	52.4	2,381	5	3	5	9	17
YELLOWSTONE NAT. PARK	0	0.0	0.0	0	0	0	0	0	0

APPENDIX H

COUNTY TOPOGRAPHICAL AND METEOROLOGICAL PROFILES

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
	ALABAMA	50,708				
AL	AUTAUGA	599	TABLELANDS	0- 300	6-15	4-500
AL	BALDWIN	1,578	PLAINS	0- 300	6-15	4-500
AL	BARBOUR	891	PLAINS	0- 300	6-15	4-500
AL	BIBB	625	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	BLOUNT	639	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	BULLOCK	615	PLAINS	0- 300	16-25	4-500
AL	BUTLER	773	PLAINS	0- 300	6-15	4-500
AL	CALHOUN	611	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
AL	CHAMBERS	597	PLAINS	0- 300	6-15	4-500
AL	CHEROKEE	556	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
AL	CHILTON	699	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	CHOCTAW	911	OPEN-HILLS-MTNS	0- 300	6-15	4-500
AL	CLARKE	1,232	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	CLAY	603	OPEN-HILLS-MTNS	5-1000	6-15	3-400
AL	CLEBURNE	574	OPEN-HILLS-MTNS	5-1000	6-15	3-400
AL	COFFEE	677	PLAINS	0- 300	16-25	4-500
AL	COLBERT	596	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	CONECUH	850	PLAINS	0- 300	6-15	4-500
AL	COOSA	650	OPEN-HILLS-MTNS	5-1000	6-15	4-500
AL	COVINGTON	984	PLAINS	0- 300	6-15	4-500
AL	CRENSHAW	611	PLAINS	0- 300	6-15	4-500
AL	CULLMAN	730	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	DALE	559	PLAINS	0- 300	16-25	4-500
AL	DALLAS	976	PLAINS	0- 300	6-15	4-500
AL	DE KALB	778	TABLELANDS	5-1000	6-15	3-400
AL	ELMORE	624	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	ESCAMBIA	962	PLAINS	0- 300	6-15	4-500
AL	ETOWAH	555	OPEN-HILLS-MTNS	5-1000	6-15	3-400
AL	FAYETTE	627	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	FRANKLIN	644	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	GENEVA	577	PLAINS	0- 300	16-25	4-500
AL	GREENE	627	PLAINS	0- 300	6-15	4-500
AL	HALE	662	PLAINS	0- 300	6-15	4-500
AL	HENRY	554	PLAINS	0- 300	16-25	4-500
AL	HOUSTON	575	PLAINS	0- 300	16-25	4-500
AL	JACKSON	1,079	OPEN-HILLS-MTNS	1-3000	6-15	3-400
AL	JEFFERSON	1,115	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	LAMAR	605	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AL	LAUDERDALE	662	PLAINS	0- 300	6-15	3-400
AL	LAWRENCE	685	PLAINS	0- 300	6-15	3-400
AL	LEE	612	PLAINS	0- 300	16-25	4-500
AL	LIMESTONE	546	PLAINS	0- 300	6-15	3-400
AL	LOWNDES	715	PLAINS	0- 300	6-15	4-500
AL	MACON	616	PLAINS	0- 300	16-25	4-500
AL	MADISON	803	PLAINS	0- 300	6-15	3-400
AL	MARENGO	978	PLAINS	0- 300	6-15	4-500
AL	MARION	743	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AL	MARSHALL	571	TABLELANDS	5-1000	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
AL	MOBILE	1,240	PLAINS	0- 300	6-15	4-500
AL	MONROE	1,032	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	MONTGOMERY	795	PLAINS	0- 300	6-15	4-500
AL	MORGAN	570	PLAINS	0- 300	6-15	3-400
AL	PERRY	734	PLAINS	0- 300	6-15	4-500
AL	PICKENS	887	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	PIKE	673	PLAINS	0- 300	16-25	4-500
AL	RANDOLPH	581	TABLELANDS	3- 500	6-15	3-400
AL	RUSSELL	627	PLAINS	0- 300	16-25	4-500
AL	ST CLAIR	640	OPEN-HILLS-MTNS	5-1000	6-15	3-400
AL	SHELBY	798	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
AL	SUMTER	915	PLAINS	0- 300	6-15	4-500
AL	TALLADEGA	750	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
AL	TALLAPOOSA	704	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	TUSCALOOSA	1,333	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	WALKER	805	OPEN-HILLS-MTNS	3- 500	6-15	3-400
AL	WASHINGTON	1,066	PLAINS	0- 300	6-15	4-500
AL	WILCOX	899	OPEN-HILLS-MTNS	3- 500	6-15	4-500
AL	WINSTON	615	OPEN-HILLS-MTNS	3- 500	6-15	3-400
	ALASKA	569,600				
AK	ALEUTIAN ISLANDS	14,563	HILLS-MTNS	3000+		INSUF
AK	ANCHORAGE	1,699	HILLS-MTNS	3000+		INSUF
AK	ANGOON	3,082	HILLS-MTNS	3000+		INSUF
AK	BARROW	57,587	PLAINS-HILLS-MTNS	5-1000		INSUF
AK	BETHEL	19,642	PLAINS	0- 300		INSUF
AK	BRISTOL BAY BOROUGH	531	PLAINS	0- 300		INSUF
AK	BRISTOL BAY DIVISION	36,836	PLAINS	0- 300		INSUF
AK	CORDOVA-MC CARTHY	15,481	HILLS-MTNS	3000+		INSUF
AK	FAIRBANKS	7,321	HILLS-MTNS	1-3000		INSUF
AK	HAINES	2,100	HILLS-MTNS	3000+		INSUF
AK	JUNEAU	2,565	HILLS-MTNS	3000+		INSUF
AK	KENAI-COOK INLET	12,195	PLAINS	0- 300		INSUF
AK	KETCHIKAN	1,345	HILLS-MTNS	1-3000		INSUF
AK	KOBUK	42.978	OPEN-HILLS-MTNS	1-3000		INSUF
AK	KODIAK	4,743	HILLS-MTNS	1-3000		INSUF
AK	KUSKOKWIM	55,958	HILLS-MTNS	1-3000		INSUF
AK	MATANUSKA-SUSITNA	24,233	HILLS-MTNS	1-3000		INSUF
AK	NOME	24,968	OPEN-HILLS-MTNS	1-3000		INSUF
AK	OUTER KETCHIKAN	3,728	HILLS-MTNS	3000+		INSUF
AK	PRINCE OF WALES	3,485	HILLS-MTNS	1-3000		INSUF
AK	SEWARD	3,727	HILLS-MTNS	1-3000		INSUF
AK	SITKA	2,766	HILLS-MTNS	3000+		INSUF
AK	SKAGWAY-YAKUTAT	9,889	PLAINS-HILLS-MTNS	1-3000		INSUF
AK	SOUTHEAST FAIRBANKS	17,182	OPEN-HILLS-MTNS	1-3000		INSUF
AK	UPPER YUKON	84,142	OPEN-HILLS-MTNS	1-3000		INSUF
AK	VALDEZ-CHITINA-WHITTI	18,845	HILLS-MTNS	3000+		INSUF
AK	WADE HAMPTON	16,772	PLAINS	0- 300		INSUF
AK	WRANGELL-PETERSBURG	5,810	HILLS-MTNS	3000+		INSUF
AK	YUKON-KOYUKUK	72,250	OPEN-HILLS-MTNS	1-3000		INSUF

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
	PRINCE OF WHALES ELD	0				
	KETCHIKAN ELD	0				
	WRANGELL-PETERSBURG E	0				
	SITKA ELD	0				
	JUNEAU ELD	0				
	LYNN CANAL-ICY STRAIT	0				
	CORDOVA-MCCARTHY ELD	0				
	VALDEZ-CHITINA-WHITTI	0				
	PALMER-WASILLA-TAKEET	0				
	ANCHORAGE ELD	0				
	SEWARD ELD	0				
	KENAI-COOK INLET ELD	0				
	KODIAK ELD	0				
	ALEUTIAN ISLANDS ELD	0				
	BRISTOL BAY ELD	0				
	BETHEL ELD	0				
	KUSKOKWIM ELD	0				
	YUKON-KOYUKUK ELD	0				
	FAIRBANKS ELD	0				
	UPPER YUKON ELD	0				
	BARROW ELD	0				
	KOBUK ELD	0				
	NOME ELD	0				
	WADE HAMPTON ELD	0				
	FIRST JD	0				
	SECOND JD	0				
	THIRD JD	0				
	FOURTH JD	0				
	ARIZONA	113,417				
AZ	APACHE	11,171	TABLELANDS	5-1000	6-15	500-
AZ	COCHISE	6,256	PLAINS-HILLS-MTNS	3000+	16-25	500-
AZ	COCONINO	18,540	TABLELANDS	1-3000	6-15	500-
AZ	GILA	4,748	OPEN-HILLS-MTNS	3000+	16-25	500-
AZ	GRAHAM	4,618	PLAINS-HILLS-MTNS	3000+	16-25	500-
AZ	GREENLEE	1,879	HILLS-MTNS	3000+	26-35	500-
AZ	MARICOPA	9,155	PLAINS-HILLS-MTNS	1-3000	26-35	500-
AZ	MOHAVE	13,217	PLAINS-HILLS-MTNS	3000+	26-35	500-
AZ	NAVAJO	9,910	TABLELANDS	5-1000	16-25	500-
AZ	PIMA	9,240	PLAINS-HILLS-MTNS	1-3000	26-35	500-
AZ	PINAL	5,364	PLAINS-HILLS-MTNS	1-3000	26-35	500-
AZ	SANTA CRUZ	1,246	PLAINS-HILLS-MTNS	3000+	26-35	500-
AZ	YAVAPAI	8,091	PLAINS-HILLS-MTNS	1-3000	26-35	500-
AZ	YUMA	9,983	PLAINS-HILLS-MTNS	1-3000	26-35	500-
	ARKANSAS	51,945				
AR	ARKANSAS	1,015	PLAINS	0- 300		3-400
AR	ASHLEY	928	PLAINS	0- 300	16-25	3-400
AR	BAXTER	537	HILLS-MTNS	5-1000	16-25	3-400
AR	BENTON	851	HILLS-MTNS	5-1000	16-25	3-400
AR	BOONE	586	HILLS-MTNS	5-1000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
AR	BRADLEY	651	PLAINS	0- 300	16-25	3-400
AR	CALHOUN	629	PLAINS	0- 300	16-25	3-400
AR	CARROLL	626	HILLS-MTNS	5-1000	16-25	3-400
AR	CHICOT	643	PLAINS	0- 300	16-25	3-400
AR	CLARK	878	PLAINS	0- 300	16-25	3-400
AR	CLAY	639	PLAINS	0- 300	16-25	3-400
AR	CLEBURNE	554	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AR	CLEVELAND	601	PLAINS	0- 300	16-25	3-400
AR	COLUMBIA	768	PLAINS	0- 300	16-25	3-400
AR	CONWAY	561	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
AR	CRAIGHEAD	716	PLAINS	0- 300	16-25	3-400
AR	CRAWFORD	596	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
AR	CRITTENDEN	608	PLAINS	0- 300	16-25	3-400
AR	CROSS	625	PLAINS	0- 300	16-25	3-400
AR	DALLAS	672	PLAINS	0- 300	16-25	3-400
AR	DESHA	736	PLAINS	0- 300	16-25	3-400
AR	DREW	832	PLAINS	0- 300	16-25	3-400
AR	FAULKNER	641	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
AR	FRANKLIN	613	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
AR	FULTON	608	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AR	GARLAND	658	OPEN-HILLS-MTNS	5-1000	16-25	3-400
AR	GRANT	631	PLAINS	0- 300	16-25	3-400
AR	GREENE	579	PLAINS	0- 300	16-25	3-400
AR	HEMPSTEAD	726	PLAINS	0- 300	16-25	4-500
AR	HOT SPRING	621	PLAINS	0- 300	16-25	3-400
AR	HOWARD	569	PLAINS	0- 300	16-25	4-500
AR	INDEPENDENCE	752	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AR	IZARD	574	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AR	JACKSON	629	PLAINS	0- 300	16-25	3-400
AR	JEFFERSON	873	PLAINS	0- 300	16-25	3-400
AR	JOHNSON	673	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
AR	LAFAYETTE	523	PLAINS	0- 300	16-25	4-500
AR	LAWRENCE	590	PLAINS	0- 300	16-25	3-400
AR	LEE	608	PLAINS	0- 300	16-25	3-400
AR	LINCOLN	563	PLAINS	0- 300	16-25	3-400
AR	LITTLE RIVER	486	PLAINS	0- 300	16-25	4-500
AR	LOGAN	718	OPEN-HILLS-MTNS	1-3000	16-25	3-400
AR	LONOKE	796	PLAINS	0- 300	16-25	3-400
AR	MADISON	832	HILLS-MTNS	1-3000	16-25	3-400
AR	MARION	584	HILLS-MTNS	5-1000	16-25	3-400
AR	MILLER	623	PLAINS	0- 300	16-25	4-500
AR	MISSISSIPPI	904	PLAINS	0- 300	16-25	3-400
AR	MONROE	607	PLAINS	0- 300	16-25	3-400
AR	MONTGOMERY	775	OPEN-HILLS-MTNS	5-1000	16-25	3-400
AR	NEVADA	616	PLAINS	0- 300	16-25	3-400
AR	NEWTON	822	HILLS-MTNS	1-3000	16-25	3-400
AR	OUACHITA	736	PLAINS	0- 300	16-25	3-400
AR	PERRY	551	OPEN-HILLS-MTNS	5-1000	16-25	3-400
AR	PHILLIPS	686	PLAINS	0- 300	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
AR	PIKE	600	PLAINS	0- 300	16-25	3-400
AR	POINSETT	760	PLAINS	0- 300	16-25	3-400
AR	POLK	859	OPEN-HILLS-MTNS	5-1000	16-25	4-500
AR	POPE	812	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
AR	PRAIRIE	661	PLAINS	0- 300	16-25	3-400
AR	PULASKI	765	PLAINS	0- 300	16-25	3-400
AR	RANDOLPH	647	PLAINS	0- 300	16-25	3-400
AR	ST FRANCIS	635	PLAINS	0- 300	16-25	3-400
AR	SALINE	724	PLAINS	0- 300	16-25	3-400
AR	SCOTT	898	OPEN-HILLS-MTNS	1-3000	16-25	4-500
AR	SEARCY	664	HILLS-MTNS	1-3000	16-25	3-400
AR	SEBASTIAN	527	OPEN-HILLS-MTNS	1-3000	16-25	4-500
AR	SEVIER	522	PLAINS	0- 300	16-25	4-500
AR	SHARP	581	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AR	STONE	608	OPEN-HILLS-MTNS	3- 500	16-25	3-400
AR	UNION	1,050	PLAINS	0- 300	16-25	3-400
AR	VAN BUREN	699	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
AR	WASHINGTON	958	HILLS-MTNS	5-1000	16-25	3-400
AR	WHITE	1,041	PLAINS	0- 300	16-25	3-400
AR	WOODRUFF	591	PLAINS	0- 300	16-25	3-400
AR	YELL	929	OPEN-HILLS-MTNS	1-3000	16-25	3-400
	CALIFORNIA	156,361				
CA	ALAMEDA	733	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	ALPINE	727	HILLS-MTNS	3000+	26-35	4-500
CA	AMADOR	583	HILLS-MTNS	1-3000	26-35	4-500
CA	BUTTE	1,645	HILLS-MTNS	1-3000	26-35	4-500
CA	CALAVERAS	1,024	HILLS-MTNS	1-3000	26-35	4-500
CA	COLUSA	1,152	PLAINS	0- 300	26-35	4-500
CA	CONTRA COSTA	735	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	DEL NORTE	1,007	HILLS-MTNS	3000+	6-15	3-400
CA	EL DORADO	1,715	HILLS-MTNS	3000+	26-35	4-500
CA	FRESNO	5,966	PLAINS	0- 300	26-35	4-500
CA	GLENN	1,314	PLAINS	0- 300	26-35	4-500
CA	HUMBOLDT	3,586	HILLS-MTNS	1-3000	6-15	3-400
CA	IMPERIAL	4,241	PLAINS	0- 300	26-35	500-
CA	INYO	10,130	OPEN-HILLS-MTNS	3000+	26-35	500-
CA	KERN	8,152	PLAINS-HILLS-MTNS	3000+	26-35	4-500
CA	KINGS	1,396	PLAINS	0- 300	26-35	4-500
CA	LAKE	1,261	HILLS-MTNS	1-3000	26-35	4-500
CA	LASSEN	4,561	PLAINS-HILLS-MTNS	1-3000	26-35	4-500
CA	LOS ANGELES	4,069	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
CA	MADERA	2,145	HILLS-MTNS	3000+	26-35	4-500
CA	MARIN	520	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	MARIPOSA	1,453	HILLS-MTNS	3000+	26-35	4-500
CA	MENDOCINO	3,511	HILLS-MTNS	1-3000	26-35	3-400
CA	MERCED	1,958	PLAINS	0- 300	26-35	4-500
CA	MODOC	4,097	PLAINS-HILLS-MTNS	1-3000	26-35	3-400
CA	MONO	3,027	PLAINS-HILLS-MTNS	3000+	26-35	4-500
CA	MONTEREY	3,324	OPEN-HILLS-MTNS	1-3000	26-35	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
CA	NAPA	787	OPEN-HILLS-MTNS	1-3000	26-35	4-500
CA	NEVADA	973	HILLS-MTNS	1-3000	26-35	4-500
CA	ORANGE	782	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
CA	PLACER	1,431	HILLS-MTNS	3000+	26-35	4-500
CA	PLUMAS	2,566	HILLS-MTNS	3000+	26-35	4-500
CA	RIVERSIDE	7,176	PLAINS-HILLS-MTNS	1-3000	26-35	500-
CA	SACRAMENTO	975	PLAINS	0- 300	16-25	4-500
CA	SAN BENITO	1,396	HILLS-MTNS	1-3000	26-35	4-500
CA	SAN BERNARDINO	20,117	PLAINS-HILLS-MTNS	1-3000	26-35	500-
CA	SAN DIEGO	4,261	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	SAN FRANCISCO	45	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	SAN JOAQUIN	1,412	PLAINS	0- 300	26-35	4-500
CA	SAN LUIS OBISPO	3,183	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	SAN MATEO	447	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	SANTA BARBARA	2,737	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	SANTA CLARA	1,300	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	SANTA CRUZ	440	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	SHASTA	3,788	OPEN-HILLS-MTNS	3000+	26-35	4-500
CA	SIERRA	958	HILLS-MTNS	3000+	26-35	4-500
CA	SISKIYOU	6,262	HILLS-MTNS	3000+	26-35	3-400
CA	SOLANO	823	PLAINS	0- 300	16-25	4-500
CA	SONOMA	1,604	OPEN-HILLS-MTNS	1-3000	26-35	4-500
CA	STANISLAUS	1,511	PLAINS	0- 300	26-35	4-500
CA	SUTTER	603	PLAINS	0- 300	26-35	4-500
CA	TEHAMA	2,962	HILLS-MTNS	1-3000	26-35	4-500
CA	TRINITY	3,173	HILLS-MTNS	3000+	26-35	3-400
CA	TULARE	4,812	HILLS-MTNS	3000+	26-35	4-500
CA	TUOLUMNE	2,252	HILLS-MTNS	3000+	26-35	4-500
CA	VENTURA	1,863	OPEN-HILLS-MTNS	1-3000	16-25	4-500
CA	YOLO	1,028	PLAINS	0- 300	26-35	4-500
CA	YUBA	639	PLAINS	0- 300	26-35	4-500
	COLORADO	103,766				
CO	ADAMS	1,237	PLAINS	0- 300	16-25	3-400
CO	ALAMOSA	719	PLAINS	0- 300	16-25	4-500
CO	ARAPAHOE	797	TABLELANDS	3- 500	16-25	3-400
CO	ARCHULETA	1,364	OPEN-HILLS-MTNS	3000+	16-25	4-500
CO	BACA	2,563	PLAINS	0- 300	6-15	4-500
CO	BENT	1,519	TABLELANDS	3- 500	6-15	4-500
CO	BOULDER	748	HILLS-MTNS	3000+	16-25	4-500
CO	CHAFFEE	1,038	HILLS-MTNS	3000+	6-15	4-500
CO	CHEYENNE	1,772	PLAINS	0- 300	16-25	3-400
CO	CLEAR CREEK	394	HILLS-MTNS	3000+	16-25	4-500
CO	CONEJOS	1,268	HILLS-MTNS	3000+	16-25	4-500
CO	COSTILLA	1,213	PLAINS	0- 300	16-25	4-500
CO	CROWLEY	802	TABLELANDS	3- 500	16-25	4-500
CO	CUSTER	737	OPEN-HILLS-MTNS	3000+	16-25	4-500
CO	DELTA	1,154	OPEN-HILLS-MTNS	3000+	26-35	4-500
CO	DENVER	95	PLAINS	0- 300	16-25	4-500
CO	DOLORES	1,026	TABLELANDS	1-3000	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
CO	DOUGLAS	843	TABLELANDS	3- 500	16-25	3-400
CO	EAGLE	1,681	HILLS-MTNS	3000+	16-25	4-500
CO	ELBERT	1,864	TABLELANDS	3- 500	16-25	3-400
CO	EL PASO	2,157	TABLELANDS	3- 500	16-25	3-400
CO	FREMONT	1,561	PLAINS-HILLS-MTNS	3000+	16-25	4-500
CO	GARFIELD	2,996	OPEN-HILLS-MTNS	3000+	26-35	4-500
CO	GILPIN	148	HILLS-MTNS	3000+	16-25	4-500
CO	GRAND	1,854	OPEN-HILLS-MTNS	3000+	16-25	4-500
CO	GUNNISON	3,220	HILLS-MTNS	3000+	26-35	4-500
CO	HINSDALE	1,054	HILLS-MTNS	3000+	16-25	4-500
CO	HUERFANO	1,574	OPEN-HILLS-MTNS	3000+	16-25	4-500
CO	JACKSON	1,622	HILLS-MTNS	3000+	16-25	4-500
CO	JEFFERSON	783	HILLS-MTNS	3000+	16-25	4-500
CO	KIOWA	1,767	PLAINS	0- 300	6-15	4-500
CO	KIT CARSON	2,171	PLAINS	0- 300	6-15	3-400
CO	LAKE	379	HILLS-MTNS	3000+	16-25	4-500
CO	LA PLATA	1,683	HILLS-MTNS	3000+	16-25	4-500
CO	LARIMER	2,611	HILLS-MTNS	3000+	16-25	4-500
CO	LAS ANIMAS	4,794	TABLELANDS	5-1000	16-25	4-500
CO	LINCOLN	2,593	TABLELANDS	3- 500	6-15	3-400
CO	LOGAN	1,822	PLAINS	0- 300	6-15	3-400
CO	MESA	3,301	TABLELANDS	1-3000	26-35	4-500
CO	MINERAL	921	HILLS-MTNS	3000+	16-25	4-500
CO	MOFFAT	4,743	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
CO	MONTEZUMA	2,094	TABLELANDS	1-3000	16-25	4-500
CO	MONTROSE	2,238	TABLELANDS	1-3000	26-35	4-500
CO	MORGAN	1,278	PLAINS	0- 300	6-15	3-400
CO	OTERO	1,254	TABLELANDS	3- 500	6-15	4-500
CO	OURAY	540	TABLELANDS	1-3000	16-25	4-500
CO	PARK	2,162	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
CO	PHILLIPS	680	PLAINS	0- 300	6-15	3-400
CO	PITKIN	973	HILLS-MTNS	3000+	16-25	4-500
CO	PROWERS	1,621	TABLELANDS	3- 500	6-15	4-500
CO	PUEBLO	2,405	TABLELANDS	3- 500	16-25	4-500
CO	RIO BLANCO	3,263	OPEN-HILLS-MTNS	3000+	16-25	4-500
CO	RIO GRANDE	915	HILLS-MTNS	3000+	16-25	4-500
CO	ROUTT	2,330	OPEN-HILLS-MTNS	3000+	16-25	4-500
CO	SAGUACHE	3,144	HILLS-MTNS	3000+	16-25	4-500
CO	SAN JUAN	391	HILLS-MTNS	3000+	16-25	4-500
CO	SAN MIGUEL	1,283	TABLELANDS	1-3000	16-25	4-500
CO	SEDGWICK	544	PLAINS	0- 300	6-15	3-400
CO	SUMMIT	604	HILLS-MTNS	3000+	16-25	4-500
CO	TELLER	553	HILLS-MTNS	3000+	16-25	4-500
CO	WASHINGTON	2,526	PLAINS	0- 300	6-15	3-400
CO	WELD	4,002	PLAINS	0- 300	6-15	3-400
CO	YUMA	2,379	PLAINS	0- 300	16-25	3-400
	CONNECTICUT	4,862				
CT	FAIRFIELD	626	OPEN-HILLS-MTNS	5-1000	6-15	3-400
CT	HARTFORD	739	PLAINS-HILLS-MTNS	5-1000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
CT	LITCHFIELD	925	OPEN-HILLS-MTNS	5-1000	16-25	3-400
CT	MIDDLESEX	372	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
CT	NEW HAVEN	604	OPEN-HILLS-MTNS	5-1000	6-15	3-400
CT	NEW LONDON	667	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
CT	TOLLAND	416	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
CT	WINDHAM	514	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
	DELAWARE	1,982				
DE	KENT	594	PLAINS	0- 300	6-15	3-400
DE	NEW CASTLE	438	PLAINS	0- 300	6-15	3-400
DE	SUSSEX	950	PLAINS	0- 300	6-15	3-400
	DISTRICT OF COLUMBIA	61				
DC	DISTRICT OF COLUMBIA	61	PLAINS	0- 300	6-15	3-400
	FLORIDA	54,090				
FL	ALACHUA	916	PLAINS	0- 300	16-25	4-500
FL	BAKER	585	PLAINS	0- 300	16-25	4-500
FL	BAY	747	PLAINS	0- 300	26-35	4-500
FL	BRADFORD	294	PLAINS	0- 300	16-25	4-500
FL	BREVARD	1,011	PLAINS	0- 300	16-25	4-500
FL	BROWARD	1,219	PLAINS	0- 300	16-25	4-500
FL	CALHOUN	561	PLAINS	0- 300	26-35	4-500
FL	CHARLOTTE	707	PLAINS	0- 300	16-25	4-500
FL	CITRUS	560	PLAINS	0- 300	16-25	4-500
FL	CLAY	593	PLAINS	0- 300	16-25	4-500
FL	COLLIER	2,006	PLAINS	0- 300	16-25	4-500
FL	COLUMBIA	784	PLAINS	0- 300	16-25	4-500
FL	DADE	2,042	PLAINS	0- 300	16-25	4-500
FL	DE SOTO	648	PLAINS	0- 300	16-25	4-500
FL	DIXIE	692	PLAINS	0- 300	16-25	4-500
FL	DUVAL	766	PLAINS	0- 300	16-25	4-500
FL	ESCAMBIA	665	PLAINS	0- 300	16-25	4-500
FL	FLAGLER	487	PLAINS	0- 300	16-25	4-500
FL	FRANKLIN	536	PLAINS	0- 300	16-25	4-500
FL	GADSDEN	512	PLAINS	0- 300	16-25	4-500
FL	GILCHRIST	346	PLAINS	0- 300	16-25	4-500
FL	GLADES	753	PLAINS	0- 300	16-25	4-500
FL	GULF	565	PLAINS	0- 300	26-35	4-500
FL	HAMILTON	514	PLAINS	0- 300	16-25	4-500
FL	HARDEE	629	PLAINS	0- 300	16-25	4-500
FL	HENDRY	1,187	PLAINS	0- 300	16-25	4-500
FL	HERNANDO	484	PLAINS	0- 300	26-35	4-500
FL	HIGHLANDS	997	PLAINS	0- 300	16-25	4-500
FL	HILLSBOROUGH	1,038	PLAINS	0- 300	26-35	4-500
FL	HOLMES	482	PLAINS	0- 300	26-35	4-500
FL	INDIAN RIVER	506	PLAINS	0- 300	16-25	4-500
FL	JACKSON	935	PLAINS	0- 300	26-35	4-500
FL	JEFFERSON	605	PLAINS	0- 300	16-25	4-500
FL	LAFAYETTE	549	PLAINS	0- 300	16-25	4-500
FL	LAKE	961	PLAINS	0- 300	16-25	4-500
FL	LEE	785	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
FL	LEON	670	PLAINS	0- 300	16-25	4-500
FL	LEVY	1,083	PLAINS	0- 300	16-25	4-500
FL	LIBERTY	839	PLAINS	0- 300	16-25	4-500
FL	MADISON	703	PLAINS	0- 300	16-25	4-500
FL	MANATEE	739	PLAINS	0- 300	16-25	4-500
FL	MARION	1,600	PLAINS	0- 300	16-25	4-500
FL	MARTIN	556	PLAINS	0- 300	16-25	4-500
FL	MONROE	1,034	PLAINS	0- 300	16-25	4-500
FL	NASSAU	650	PLAINS	0- 300	16-25	4-500
FL	OKALOOSA	944	PLAINS	0- 300	16-25	4-500
FL	OKEECHOBEE	777	PLAINS	0- 300	16-25	4-500
FL	ORANGE	910	PLAINS	0- 300	16-25	4-500
FL	OSCEOLA	1,313	PLAINS	0- 300	16-25	4-500
FL	PALM BEACH	2,023	PLAINS	0- 300	16-25	4-500
FL	PASCO	742	PLAINS	0- 300	26-35	4-500
FL	PINELLAS	265	PLAINS	0- 300	26-35	4-500
FL	POLK	1,858	PLAINS	0- 300	16-25	4-500
FL	PUTNAM	779	PLAINS	0- 300	16-25	4-500
FL	ST JOHNS	605	PLAINS	0- 300	16-25	4-500
FL	ST LUCIE	584	PLAINS	0- 300	16-25	4-500
FL	SANTA ROSA	1,032	PLAINS	0- 300	16-25	4-500
FL	SARASOTA	587	PLAINS	0- 300	16-25	4-500
FL	SEMINOLE	305	PLAINS	0- 300	16-25	4-500
FL	SUMTER	555	PLAINS	0- 300	16-25	4-500
FL	SUWANNEE	686	PLAINS	0- 300	16-25	4-500
FL	TAYLOR	1,051	PLAINS	0- 300	16-25	4-500
FL	UNION	241	PLAINS	0- 300	16-25	4-500
FL	VOLUSIA	1,062	PLAINS	0- 300	16-25	4-500
FL	WAKULLA	601	PLAINS	0- 300	16-25	4-500
FL	WALTON	1,053	PLAINS	0- 300	26-35	4-500
FL	WASHINGTON	585	PLAINS	0- 300	26-35	4-500
	GEORGIA	58,073				
GA	APPLING	513	PLAINS	0- 300	16-25	4-500
GA	ATKINSON	318	PLAINS	0- 300	16-25	4-500
GA	BACON	293	PLAINS	0- 300	16-25	4-500
GA	BAKER	355	PLAINS	0- 300	26-35	4-500
GA	BALDWIN	255	OPEN-HILLS-MTNS	0- 300	16-25	4-500
GA	BANKS	231	PLAINS	0- 300	16-25	3-400
	BARROW	171				
	BARTOW	461				
	BEN HILL	255				
	BERRIEN	468				
	BIBB	254				
	BLECKLEY	219				
	BRANTLEY	447				
	BROOKS	491				
	BRYAN	443				
	BULLOCH	685				
	BURKE	831				

STATE	COUNTY	LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
	BUTTS	185				
	CALHOUN	289				
	CAMDEN	653				
	CANDLER	250				
	CARROLL	495				
	CATOOSA	167				
	CHARLTON	796				
	CHATHAM	445				
	CHATTAHOOCHEE	253				
	CHATTOOGA	317				
	CHEROKEE	415				
	CLARKE	116				
	CLAY	200				
	CLAYTON	149				
	CLINCH	797				
	COBB	343				
	COFFEE	612				
	COLQUITT	563				
	COLUMBIA	290				
	COOK	233				
	COWETA	442				
	CRAWFORD	315				
	CRISP	292				
	DADE	168				
	DAWSON	211				
	DECATUR	575				
	DE KALB	269				
	DODGE	498				
	DOOLY	395				
	DOUGHERTY	324				
	DOUGLAS	202				
	EARLY	524				
	ECHOLS	425				
	EFFINGHAM	480				
	ELBERT	358				
	EMANUEL	686				
	EVANS	186				
	FANNIN	394				
GA	FAYETTE	199	PLAINS	0- 300	16-25	3-400
	FLOYD	514				
	FORSYTH	219				
	FRANKLIN	263				
GA	FULTON	530	PLAINS	0- 300	16-25	4-500
GA	GILMER	439	HILLS-MTNS	5-1000	16-25	3-400
GA	GLASCOCK	143	PLAINS	0- 300	16-25	4-500
GA	GLYNN	412	PLAINS	0- 300	26-35	4-500
GA	GORDON	358	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
GA	GRADY	466	PLAINS	0- 300	16-25	4-500
GA	GREENE	403	OPEN-HILLS-MTNS	0- 300	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
GA	GWINNETT	437	PLAINS	0- 300	16-25	3-400
GA	HABERSHAM	282	TABLELANDS	3- 500	16-25	3-400
GA	HALL	378	TABLELANDS	3- 500	16-25	3-400
GA	HANCOCK	478	OPEN-HILLS-MTNS	0- 300	16-25	4-500
GA	HARALSON	285	TABLELANDS	3- 500	16-25	3-400
GA	HARRIS	465	PLAINS	0- 300	16-25	4-500
GA	HART	231	PLAINS	0- 300	16-25	3-400
GA	HEARD	297	TABLELANDS	3- 500	16-25	3-400
GA	HENRY	331	PLAINS	0- 300	16-25	3-400
GA	HOUSTON	380	PLAINS	0- 300	16-25	4-500
GA	IRWIN	372	PLAINS	0- 300	16-25	4-500
GA	JACKSON	346	PLAINS	0- 300	16-25	3-400
GA	JASPER	373	OPEN-HILLS-MTNS	0- 300	16-25	4-500
GA	JEFF DAVIS	331	PLAINS	0- 300	16-25	4-500
GA	JEFFERSON	530	PLAINS	0- 300	16-25	4-500
GA	JENKINS	351	PLAINS	0- 300	16-25	4-500
GA	JOHNSON	313	PLAINS	0- 300	16-25	4-500
GA	JONES	402	OPEN-HILLS-MTNS	0- 300	16-25	4-500
GA	LAMAR	181	PLAINS	0- 300	16-25	4-500
GA	LANIER	177	PLAINS	0- 300	16-25	4-500
GA	LAURENS	810	PLAINS	0- 300	16-25	4-500
GA	LEE	355	PLAINS	0- 300	26-35	4-500
GA	LIBERTY	514	PLAINS	0- 300	16-25	4-500
GA	LINCOLN	193	PLAINS	0- 300	16-25	3-400
GA	LONG	402	PLAINS	0- 300	16-25	4-500
GA	LOWNDES	508	PLAINS	0- 300	16-25	4-500
GA	LUMPKIN	292	OPEN-HILLS-MTNS	5-1000	16-25	3-400
GA	MC DUFFIE	253	PLAINS	0- 300	16-25	4-500
GA	MC INTOSH	426	PLAINS	0- 300	16-25	4-500
GA	MACON	403	PLAINS	0- 300	16-25	4-500
GA	MADISON	281	PLAINS	0- 300	16-25	3-400
GA	MARION	365	PLAINS	0- 300	26-35	4-500
GA	MERIWETHER	499	PLAINS	0- 300	16-25	4-500
GA	MILLER	287	PLAINS	0- 300	26-35	4-500
GA	MITCHELL	510	PLAINS	0- 300	16-25	4-500
GA	MONROE	398	PLAINS	0- 300	16-25	4-500
GA	MONTGOMERY	237	PLAINS	0- 300	16-25	4-500
GA	MORGAN	356	PLAINS	0- 300	16-25	3-400
GA	MURRAY	342	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
GA	MUSCOGEE	0	PLAINS	0- 300	16-25	4-500
GA	NEWTON	271	OPEN-HILLS-MTNS	0- 300	16-25	4-500
GA	OCONEE	186	PLAINS	0- 300	16-25	3-400
GA	OGLETHORPE	435	PLAINS	0- 300	16-25	3-400
GA	PAULDING	318	TABLELANDS	3- 500	16-25	3-400
GA	PEACH	151	PLAINS	0- 300	16-25	4-500
GA	PICKENS	225	OPEN-HILLS-MTNS	5-1000	16-25	3-400
GA	PIERCE	342	PLAINS	0- 300	16-25	4-500
GA	PIKE	230	PLAINS	0- 300	16-25	4-500
GA	POLK	312	OPEN-HILLS-MTNS	5-1000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
GA	PULASKI	253	PLAINS	0- 300	16-25	4-500
GA	PUTNAM	339	PLAINS	0- 300	16-25	4-500
GA	QUITMAN	156	PLAINS	0- 300	26-35	4-500
GA	RABUN	368	PLAINS	0- 300	16-25	3-400
GA	RANDOLPH	436	PLAINS	0- 300	26-35	4-500
GA	RICHMOND	323	PLAINS	0- 300	16-25	4-500
GA	ROCKDALE	128	PLAINS	0- 300	16-25	3-400
GA	SCHLEY	162	PLAINS	0- 300	26-35	4-500
GA	SCREVEN	651	PLAINS	0- 300	16-25	4-500
GA	SEMINOLE	246	PLAINS	0- 300	26-35	4-500
GA	SPALDING	201	PLAINS	0- 300	16-25	4-500
GA	STEPHENS	173	PLAINS	0- 300	16-25	3-400
GA	STEWART	452	PLAINS	0- 300	26-35	4-500
GA	SUMTER	488	PLAINS	0- 300	26-35	4-500
GA	TALBOT	390	PLAINS	0- 300	16-25	4-500
GA	TALIAFERRO	195	PLAINS	0- 300	16-25	3-400
GA	TATTNALL	490	PLAINS	0- 300	16-25	4-500
GA	TAYLOR	403	PLAINS	0- 300	16-25	4-500
GA	TELFAIR	440	PLAINS	0- 300	16-25	4-500
GA	TERRELL	329	PLAINS	0- 300	26-35	4-500
GA	THOMAS	541	PLAINS	0- 300	16-25	4-500
GA	TIFT	266	PLAINS	0- 300	16-25	4-500
GA	TOOMBS	368	PLAINS	0- 300	16-25	4-500
GA	TOWNS	166	HILLS-MTNS	1-3000	16-25	3-400
GA	TREUTLEN	194	PLAINS	0- 300	16-25	4-500
GA	TROUP	415	PLAINS	0- 300	16-25	4-500
GA	TURNER	293	PLAINS	0- 300	16-25	4-500
GA	TWIGGS	364	PLAINS	0- 300	16-25	4-500
GA	UNION	309	HILLS-MTNS	1-3000	16-25	3-400
GA	UPSON	334	OPEN-HILLS-MTNS	0- 300	16-25	4-500
GA	WALKER	445	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
GA	WALTON	330	PLAINS	0- 300	16-25	3-400
GA	WARE	912	PLAINS	0- 300	16-25	4-500
GA	WARREN	284	PLAINS	0- 300	16-25	4-500
GA	WASHINGTON	674	PLAINS	0- 300	16-25	4-500
GA	WAYNE	645	PLAINS	0- 300	16-25	4-500
GA	WEBSTER	195	PLAINS	0- 300	26-35	4-500
GA	WHEELER	306	PLAINS	0- 300	16-25	4-500
GA	WHITE	243	OPEN-HILLS-MTNS	5-1000	16-25	3-400
GA	WHITFIELD	281	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
GA	WILCOX	383	PLAINS	0- 300	16-25	4-500
GA	WILKES	468	PLAINS	0- 300	16-25	3-400
GA	WILKINSON	458	OPEN-HILLS-MTNS	0- 300	16-25	4-500
GA	WORTH	579	PLAINS	0- 300	16-25	4-500
	COLUMBUS CITY	220				
	HAWAII	6,425				
HI	HAWAII	4,037	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
HI	HONOLULU	596	PLAINS-HILLS-MTNS	3000+	16-25	4-500
	KALAWAO	0				

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
HI	KAUAI	619	OPEN-HILLS-MTNS	3000+	16-25	4-500
HI	MAUI	1,173	OPEN-HILLS-MTNS	3000+	16-25	4-500
	IDAHO	82,677				
ID	ADA	1,043	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	ADAMS	1,371	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	BANNOCK	1,122	PLAINS-HILLS-MTNS	3000+	16-25	3-400
ID	BEAR LAKE	984	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	BENEWAH	788	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	BINGHAM	2,084	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	BLAINE	2,647	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	BOISE	1,910	HILLS-MTNS	3000+	16-25	3-400
ID	BONNER	1,733	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	BONNEVILLE	1,836	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	BOUNDARY	1,275	HILLS-MTNS	3000+	16-25	3-400
ID	BUTTE	2,239	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	CAMAS	1,054	HILLS-MTNS	3000+	16-25	3-400
ID	CANYON	578	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	CARIBOU	1,746	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	CASSIA	2,544	PLAINS-HILLS-MTNS	3000+	16-25	3-400
ID	CLARK	1,751	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	CLEARWATER	2,521	HILLS-MTNS	3000+	16-25	3-400
ID	CUSTER	4,929	HILLS-MTNS	3000+	16-25	3-400
ID	ELMORE	3,048	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	FRANKLIN	664	PLAINS-HILLS-MTNS	3000+	16-25	3-400
ID	FREMONT	1,864	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	GEM	555	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	GOODING	720	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	IDAHO	8,516	HILLS-MTNS	3000+	16-25	3-400
ID	JEFFERSON	1,096	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	JEROME	595	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	KOOTENAI	1,249	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	LATAH	1,090	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	LEMHI	4,580	OPEN-HILLS-MTNS	1-3000	16-25	3-400
ID	LEWIS	476	TABLELANDS	1-3000	16-25	3-400
ID	LINCOLN	1,203	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	MADISON	473	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	MINIDOKA	750	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	NEZ PERCE	844	TABLELANDS	1-3000	16-25	3-400
ID	ONEIDA	1,191	PLAINS-HILLS-MTNS	3000+	16-25	3-400
ID	OWYHEE	7,641	TABLELANDS	5-1000	16-25	3-400
ID	PAYETTE	402	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	POWER	1,413	PLAINS-HILLS-MTNS	3000+	16-25	3-400
ID	SHOSHONE	2,609	HILLS-MTNS	3000+	16-25	3-400
ID	TETON	457	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ID	TWIN FALLS	1,947	TABLELANDS	5-1000	16-25	3-400
ID	VALLEY	3,676	HILLS-MTNS	3000+	16-25	3-400
ID	WASHINGTON	1,462	OPEN-HILLS-MTNS	1-3000	16-25	3-400
	YELLOWSTONE NAT. PARK	0				
	ILLINOIS	55,748				

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
IL	ADAMS	862	PLAINS	0- 300	16-25	3-400
IL	ALEXANDER	229	PLAINS	0- 300	16-25	3-400
IL	BOND	378	PLAINS	0- 300	16-25	3-400
IL	BOONE	283	PLAINS	0- 300	6-15	3-400
IL	BROWN	306	PLAINS	0- 300	6-15	3-400
IL	BUREAU	866	PLAINS	0- 300	6-15	3-400
IL	CALHOUN	247	PLAINS	0- 300	16-25	3-400
IL	CARROLL	456	PLAINS	0- 300	6-15	3-400
IL	CASS	371	PLAINS	0- 300	6-15	3-400
IL	CHAMPAIGN	1,000	PLAINS	0- 300	6-15	3-400
IL	CHRISTIAN	709	PLAINS	0- 300	6-15	3-400
IL	CLARK	509	PLAINS	0- 300	16-25	3-400
IL	CLAY	464	PLAINS	0- 300	16-25	3-400
IL	CLINTON	434	PLAINS	0- 300	16-25	3-400
IL	COLES	506	PLAINS	0- 300	16-25	3-400
IL	COOK	954	PLAINS	0- 300	6-15	3-400
IL	CRAWFORD	443	PLAINS	0- 300	16-25	3-400
IL	CUMBERLAND	347	PLAINS	0- 300	16-25	3-400
IL	DE KALB	636	PLAINS	0- 300	6-15	3-400
IL	DE WITT	399	PLAINS	0- 300	6-15	3-400
IL	DOUGLAS	420	PLAINS	0- 300	6-15	3-400
IL	DU PAGE	331	PLAINS	0- 300	6-15	3-400
IL	EDGAR	628	PLAINS	0- 300	6-15	3-400
IL	EDWARDS	225	PLAINS	0- 300	16-25	3-400
IL	EFFINGHAM	481	PLAINS	0- 300	16-25	3-400
IL	FAYETTE	703	PLAINS	0- 300	16-25	3-400
IL	FORD	488	PLAINS	0- 300	6-15	3-400
IL	FRANKLIN	434	PLAINS	0- 300	16-25	3-400
IL	FULTON	877	PLAINS	0- 300	6-15	3-400
IL	GALLATIN	328	PLAINS	0- 300	16-25	3-400
IL	GREENE	543	PLAINS	0- 300	6-15	3-400
IL	GRUNDY	432	PLAINS	0- 300	6-15	3-400
IL	HAMILTON	435	PLAINS	0- 300	16-25	3-400
IL	HANCOCK	797	PLAINS	0- 300	6-15	3-400
IL	HARDIN	183	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IL	HENDERSON	376	PLAINS	0- 300	6-15	3-400
IL	HENRY	826	PLAINS	0- 300	6-15	3-400
IL	IROQUOIS	1,122	PLAINS	0- 300	6-15	3-400
IL	JACKSON	605	PLAINS	0- 300	16-25	3-400
IL	JASPER	495	PLAINS	0- 300	16-25	3-400
IL	JEFFERSON	573	PLAINS	0- 300	16-25	3-400
IL	JERSEY	376	PLAINS	0- 300	16-25	3-400
IL	JO DAVIESS	606	OPEN-HILLS-MTNS	3- 500	6-15	3-400
IL	JOHNSON	345	PLAINS	0- 300	16-25	3-400
IL	KANE	520	PLAINS	0- 300	6-15	3-400
IL	KANKAKEE	678	PLAINS	0- 300	6-15	3-400
IL	KENDALL	323	PLAINS	0- 300	6-15	3-400
IL	KNOX	728	PLAINS	0- 300	6-15	3-400
IL	LAKE	457	PLAINS	0- 300	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
IL	LA SALLE	1,150	PLAINS	0- 300	6-15	3-400
IL	LAWRENCE	374	PLAINS	0- 300	16-25	3-400
IL	LEE	728	PLAINS	0- 300	6-15	3-400
IL	LIVINGSTON	1,043	PLAINS	0- 300	6-15	3-400
IL	LOGAN	622	PLAINS	0- 300	6-15	3-400
IL	MC DONOUGH	582	PLAINS	0- 300	6-15	3-400
IL	MC HENRY	610	PLAINS	0- 300	6-15	3-400
IL	MC LEAN	1,173	PLAINS	0- 300	6-15	3-400
IL	MACON	578	PLAINS	0- 300	6-15	3-400
IL	MACOUPIN	872	PLAINS	0- 300	6-15	3-400
IL	MADISON	733	PLAINS	0- 300		3-400
IL	MARION	579	PLAINS	0- 300	16-25	3-400
IL	MARSHALL	391	PLAINS	0- 300	6-15	3-400
IL	MASON	541	PLAINS	0- 300	6-15	3-400
IL	MASSAC	245	PLAINS	0- 300	16-25	3-400
IL	MENARD	312	PLAINS	0- 300	6-15	3-400
IL	MERCER	556	PLAINS	0- 300	6-15	3-400
IL	MONROE	382	PLAINS	0- 300	16-25	3-400
IL	MONTGOMERY	705	PLAINS	0- 300	16-25	3-400
IL	MORGAN	561	PLAINS	0- 300	6-15	3-400
IL	MOULTRIE	326	PLAINS	0- 300	6-15	3-400
IL	OGLE	758	PLAINS	0- 300	6-15	3-400
IL	PEORIA	623	PLAINS	0- 300	6-15	3-400
IL	PERRY	439	PLAINS	0- 300	16-25	3-400
IL	PIATT	437	PLAINS	0- 300	6-15	3-400
IL	PIKE	828	PLAINS	0- 300	6-15	3-400
IL	POPE	381	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IL	PULASKI	204	PLAINS	0- 300	16-25	3-400
IL	PUTNAM	167	PLAINS	0- 300	6-15	3-400
IL	RANDOLPH	594	PLAINS	0- 300	16-25	3-400
IL	RICHLAND	364	PLAINS	0- 300	16-25	3-400
IL	ROCK ISLAND	424	PLAINS	0- 300	6-15	3-400
IL	ST CLAIR	673	PLAINS	0- 300	16-25	3-400
IL	SALINE	383	PLAINS	0- 300	16-25	3-400
IL	SANGAMON	879	PLAINS	0- 300	6-15	3-400
IL	SCHUYLER	434	PLAINS	0- 300	6-15	3-400
IL	SCOTT	251	PLAINS	0- 300	6-15	3-400
IL	SHELBY	752	PLAINS	0- 300	16-25	3-400
IL	STARK	291	PLAINS	0- 300	6-15	3-400
IL	STEPHENSON	568	PLAINS	0- 300	6-15	3-400
IL	TAZEWELL	652	PLAINS	0- 300	6-15	3-400
IL	UNION	416	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IL	VERMILION	899	PLAINS	0- 300	6-15	3-400
IL	WABASH	222	PLAINS	0- 300	16-25	3-400
IL	WARREN	541	PLAINS	0- 300	6-15	3-400
IL	WASHINGTON	564	PLAINS	0- 300	16-25	3-400
IL	WAYNE	715	PLAINS	0- 300	16-25	3-400
IL	WHITE	502	PLAINS	0- 300	16-25	3-400
IL	WHITESIDE	687	PLAINS	0- 300	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
IL	WILL	847	PLAINS	0- 300	6-15	3-400
IL	WILLIAMSON	429	PLAINS	0- 300	16-25	3-400
IL	WINNEBAGO	519	PLAINS	0- 300	6-15	3-400
IL	WOODFORD	528	PLAINS	0- 300	6-15	3-400
	INDIANA	36,097				
IN	ADAMS	345	PLAINS	0- 300	6-15	3-400
IN	ALLEN	671	PLAINS	0- 300	6-15	3-400
IN	BARTHOLOMEW	402	PLAINS	0- 300	16-25	3-400
IN	BENTON	409	PLAINS	0- 300	6-15	3-400
IN	BLACKFORD	167	PLAINS	0- 300	6-15	3-400
IN	BOONE	427	PLAINS	0- 300	6-15	3-400
IN	BROWN	319	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IN	CARROLL	374	PLAINS	0- 300	6-15	3-400
IN	CASS	415	PLAINS	0- 300	6-15	3-400
IN	CLARK	384	PLAINS	0- 300	16-25	3-400
IN	CLAY	364	PLAINS	0- 300	16-25	3-400
IN	CLINTON	407	PLAINS	0- 300	6-15	3-400
IN	CRAWFORD	312	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IN	DAVIESS	430	PLAINS	0- 300	16-25	3-400
IN	DEARBORN	306	TABLELANDS	3- 500	16-25	3-400
IN	DECATUR	370	PLAINS	0- 300	16-25	3-400
IN	DE KALB	366	PLAINS	0- 300	6-15	3-400
IN	DELAWARE	396	PLAINS	0- 300	6-15	3-400
IN	DUBOIS	433	PLAINS	0- 300	16-25	3-400
IN	ELKHART	468	PLAINS	0- 300	6-15	3-400
IN	FAYETTE	215	PLAINS	0- 300	16-25	3-400
IN	FLOYD	149	PLAINS	0- 300	16-25	3-400
IN	FOUNTAIN	397	PLAINS	0- 300	6-15	3-400
IN	FRANKLIN	394	PLAINS	0- 300	16-25	3-400
IN	FULTON	368	PLAINS	0- 300	6-15	3-400
IN	GIBSON	498	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IN	GRANT	421	PLAINS	0- 300	6-15	3-400
IN	GREENE	549	PLAINS	0- 300	16-25	3-400
IN	HAMILTON	401	PLAINS	0- 300	6-15	3-400
IN	HANCOCK	305	PLAINS	0- 300	16-25	3-400
IN	HARRISON	479	PLAINS	0- 300	16-25	3-400
IN	HENDRICKS	417	PLAINS	0- 300	16-25	3-400
IN	HENRY	400	PLAINS	0- 300	6-15	3-400
IN	HOWARD	293	PLAINS	0- 300	6-15	3-400
IN	HUNTINGTON	369	PLAINS	0- 300	6-15	3-400
IN	JACKSON	520	PLAINS	0- 300	16-25	3-400
IN	JASPER	562	PLAINS	0- 300	6-15	3-400
IN	JAY	386	PLAINS	0- 300	6-15	3-400
IN	JEFFERSON	366	PLAINS	0- 300	16-25	3-400
IN	JENNINGS	377	PLAINS	0- 300	16-25	3-400
IN	JOHNSON	315	PLAINS	0- 300	16-25	3-400
IN	KNOX	516	PLAINS	0- 300	16-25	3-400
IN	KOSCIUSKO	540	PLAINS	0- 300	6-15	3-400
IN	LAGRANGE	381	PLAINS	0- 300	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
IN	LAKE	513	PLAINS	0- 300	6-15	3-400
IN	LA PORTE	607	PLAINS	0- 300	6-15	3-400
IN	LAWRENCE	459	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IN	MADISON	453	PLAINS	0- 300	6-15	3-400
IN	MARION	392	PLAINS	0- 300	16-25	3-400
IN	MARSHALL	443	PLAINS	0- 300	6-15	3-400
	MARTIN	345				
IN	MIAMI	377	PLAINS	0- 300	6-15	3-400
IN	MONROE	386	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IN	MONTGOMERY	507	PLAINS	0- 300	6-15	3-400
IN	MORGAN	406	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IN	NEWTON	413	PLAINS	0- 300	6-15	3-400
IN	NOBLE	412	PLAINS	0- 300	6-15	3-400
IN	OHIO	87	TABLELANDS	3- 500	16-25	3-400
IN	ORANGE	405	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IN	OWEN	390	PLAINS	0- 300	16-25	3-400
IN	PARKE	445	PLAINS	0- 300	6-15	3-400
IN	PERRY	384	OPEN-HILLS-MTNS	3- 500	16-25	3-400
IN	PIKE	335	PLAINS	0- 300	16-25	3-400
IN	PORTER	425	PLAINS	0- 300	6-15	3-400
IN	POSEY	412	PLAINS	0- 300	16-25	3-400
IN	PULASKI	433	PLAINS	0- 300	6-15	3-400
IN	PUTNAM	490	PLAINS	0- 300	16-25	3-400
IN	RANDOLPH	457	PLAINS	0- 300	6-15	3-400
IN	RIPLEY	442	PLAINS	0- 300	16-25	3-400
IN	RUSH	409	PLAINS	0- 300	16-25	3-400
IN	ST JOSEPH	466	PLAINS	0- 300	6-15	3-400
IN	SCOTT	193	PLAINS	0- 300	16-25	3-400
IN	SHELBY	409	PLAINS	0- 300	16-25	3-400
IN	SPENCER	396	PLAINS	0- 300	16-25	3-400
IN	STARKE	310	PLAINS	0- 300	6-15	3-400
IN	STEUBEN	309	PLAINS	0- 300	6-15	3-400
IN	SULLIVAN	457	PLAINS	0- 300	16-25	3-400
IN	SWITZERLAND	221	TABLELANDS	3- 500	16-25	3-400
IN	TIPPECANOE	500	PLAINS	0- 300	6-15	3-400
IN	TIPTON	261	PLAINS	0- 300	6-15	3-400
IN	UNION	168	PLAINS	0- 300	16-25	3-400
IN	VANDERBURGH	241	PLAINS	0- 300	16-25	3-400
IN	VERMILLION	263	PLAINS	0- 300	6-15	3-400
IN	VIGO	415	PLAINS	0- 300	16-25	3-400
IN	WABASH	398	PLAINS	0- 300	6-15	3-400
IN	WARREN	368	PLAINS	0- 300	6-15	3-400
IN	WARRICK	391	PLAINS	0- 300	16-25	3-400
IN	WASHINGTON	516	PLAINS	0- 300	16-25	3-400
IN	WAYNE	405	PLAINS	0- 300	6-15	3-400
IN	WELLS	365	PLAINS	0- 300	6-15	3-400
IN	WHITE	497	PLAINS	0- 300	6-15	3-400
IN	WHITLEY	337	PLAINS	0- 300	6-15	3-400
	IOWA	55,941				

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
IA	ADAIR	569	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	ADAMS	426	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	ALLAMAKEE	636	PLAINS	0- 300	6-15	3-400
IA	APPANOOSE	523	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	AUDUBON	448	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	BENTON	718	PLAINS	0- 300	6-15	3-400
IA	BLACK HAWK	568	PLAINS	0- 300	6-15	3-400
IA	BOONE	573	PLAINS	0- 300	6-15	3-400
IA	BREMER	439	PLAINS	0- 300	6-15	3-400
IA	BUCHANAN	568	PLAINS	0- 300	6-15	3-400
IA	BUENA VISTA	572	PLAINS	0- 300	6-15	3-400
IA	BUTLER	582	PLAINS	0- 300	6-15	3-400
IA	CALHOUN	571	PLAINS	0- 300	6-15	3-400
IA	CARROLL	574	PLAINS	0- 300	6-15	3-400
IA	CASS	559	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	CEDAR	585	PLAINS	0- 300	6-15	3-400
IA	CERRO GORDO	575	PLAINS	0- 300	6-15	3-400
IA	CHEROKEE	577	PLAINS	0- 300	6-15	3-400
IA	CHICKASAW	505	PLAINS	0- 300	6-15	3-400
IA	CLARKE	429	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	CLAY	570	PLAINS	0- 300	6-15	3-400
IA	CLAYTON	779	OPEN-HILLS-MTNS	0- 500	6-15	3-400
IA	CLINTON	693	PLAINS	0- 300	6-15	3-400
IA	CRAWFORD	716	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	DALLAS	597	PLAINS	0- 300	6-15	3-400
IA	DAVIS	509	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	DECATUR	530	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	DELAWARE	572	PLAINS	0- 300	6-15	3-400
IA	DES MOINES	408	PLAINS	0- 300	6-15	3-400
IA	DICKINSON	380	PLAINS	0- 300	6-15	3-400
IA	DUBUQUE	612	PLAINS	0- 300	6-15	3-400
IA	EMMET	394	PLAINS	0- 300	6-15	3-400
IA	FAYETTE	728	PLAINS	0- 300	6-15	3-400
IA	FLOYD	503	PLAINS	0- 300	6-15	3-400
IA	FRANKLIN	586	PLAINS	0- 300	6-15	3-400
IA	FREMONT	524	OPEN-HILLS-MTNS	0- 300	16-25	3-400
IA	GREENE	569	PLAINS	0- 300	6-15	3-400
IA	GRUNDY	501	PLAINS	0- 300	6-15	3-400
IA	GUTHRIE	596	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	HAMILTON	577	PLAINS	0- 300	6-15	3-400
IA	HANCOCK	570	PLAINS	0- 300	6-15	3-400
IA	HARDIN	574	PLAINS	0- 300	6-15	3-400
IA	HARRISON	696	PLAINS	0- 300	16-25	3-400
IA	HENRY	440	PLAINS	0- 300	6-15	3-400
IA	HOWARD	471	PLAINS	0- 300	6-15	3-400
IA	HUMBOLDT	435	PLAINS	0- 300	6-15	3-400
IA	IDA	431	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	IOWA	584	PLAINS	0- 300	6-15	3-400
IA	JACKSON	644	PLAINS	0- 300	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
IA	JASPER	731	PLAINS	0- 300	6-15	3-400
IA	JEFFERSON	436	PLAINS	0- 300	6-15	3-400
IA	JOHNSON	619	PLAINS	0- 300	6-15	3-400
IA	JONES	585	PLAINS	0- 300	6-15	3-400
IA	KEOKUK	579	PLAINS	0- 300	6-15	3-400
IA	KOSSUTH	979	PLAINS	0- 300	6-15	3-400
IA	LEE	527	PLAINS	0- 300	6-15	3-400
IA	LINN	717	PLAINS	0- 300	6-15	3-400
IA	LOUISA	403	PLAINS	0- 300	6-15	3-400
IA	LUCAS	434	PLAINS	0- 300	6-15	3-400
IA	LYON	588	PLAINS	0- 300	6-15	3-400
IA	MADISON	564	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	MAHASKA	572	PLAINS	0- 300	6-15	3-400
IA	MARION	498	PLAINS	0- 300	6-15	3-400
IA	MARSHALL	574	PLAINS	0- 300	6-15	3-400
IA	MILLS	447	OPEN-HILLS-MTNS	0- 300	16-25	3-400
IA	MITCHELL	467	PLAINS	0- 300	6-15	3-400
IA	MONONA	699	PLAINS	0- 300	16-25	3-400
IA	MONROE	435	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	MONTGOMERY	422	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	MUSCATINE	443	PLAINS	0- 300	6-15	3-400
IA	O\BRIEN	575	PLAINS	0- 300	6-15	3-400
IA	OSCEOLA	398	PLAINS	0- 300	6-15	3-400
IA	PAGE	535	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	PALO ALTO	561	PLAINS	0- 300	6-15	3-400
IA	PLYMOUTH	863	PLAINS	0- 300	6-15	3-400
IA	POCAHONTAS	581	PLAINS	0- 300	6-15	3-400
IA	POLK	578	PLAINS	0- 300	6-15	3-400
IA	POTTAWATTAMIE	963	OPEN-HILLS-MTNS	0- 300	16-25	3-400
IA	POWESHIEK	589	PLAINS	0- 300	6-15	3-400
IA	RINGGOLD	538	PLAINS	0- 300	6-15	3-400
IA	SAC	578	PLAINS	0- 300	6-15	3-400
IA	SCOTT	454	PLAINS	0- 300	6-15	3-400
IA	SHELBY	587	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	SIOUX	766	PLAINS	0- 300	6-15	3-400
IA	STORY	568	PLAINS	0- 300	6-15	3-400
IA	TAMA	720	PLAINS	0- 300	6-15	3-400
IA	TAYLOR	528	PLAINS	0- 300	6-15	3-400
IA	UNION	425	PLAINS	0- 300	6-15	3-400
IA	VAN BUREN	487	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	WAPELLO	437	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	WARREN	558	PLAINS	0- 300	6-15	3-400
IA	WASHINGTON	568	PLAINS	0- 300	6-15	3-400
IA	WAYNE	532	OPEN-HILLS-MTNS	0- 300	6-15	3-400
IA	WEBSTER	718	PLAINS	0- 300	6-15	3-400
IA	WINNEBAGO	401	PLAINS	0- 300	6-15	3-400
IA	WINNESHIEK	688	PLAINS	0- 300	6-15	3-400
IA	WOODBURY	871	OPEN-HILLS-MTNS	0- 300	16-25	3-400
IA	WORTH	400	PLAINS	0- 300	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
IA	WRIGHT	577	PLAINS	0- 300	16-25	3-400
	KANSAS	81,787				
KS	ALLEN	505	PLAINS	0- 300	6-15	3-400
KS	ANDERSON	577	PLAINS	0- 300	6-15	3-400
KS	ATCHISON	427	PLAINS	0- 300	16-25	3-400
KS	BARBER	1,146	TABLELANDS	3- 500	6-15	4-500
KS	BARTON	894	PLAINS	0- 300	6-15	4-500
KS	BOURBON	639	PLAINS	0- 300	6-15	3-400
KS	BROWN	577	PLAINS	0- 300	16-25	3-400
KS	BUTLER	1,442	PLAINS	0- 300	6-15	4-500
KS	CHASE	774	OPEN-HILLS-MTNS	3- 500	6-15	3-400
KS	CHAUTAUQUA	647	OPEN-HILLS-MTNS	3- 500	6-15	4-500
KS	CHEROKEE	586	PLAINS	0- 300	6-15	3-400
KS	CHEYENNE	1,027	PLAINS	0- 300	6-15	3-400
KS	CLARK	963	TABLELANDS	3- 500	6-15	4-500
KS	CLAY	635	PLAINS	0- 300	6-15	3-400
KS	CLOUD	711	PLAINS	0- 300	6-15	3-400
KS	COFFEY	617	PLAINS	0- 300	6-15	3-400
KS	COMANCHE	800	TABLELANDS	3- 500	6-15	4-500
KS	COWLEY	1,136	PLAINS	0- 300	6-15	4-500
KS	CRAWFORD	598	PLAINS	0- 300	6-15	3-400
KS	DECATUR	899	PLAINS	0- 300	6-15	3-400
KS	DICKINSON	855	PLAINS	0- 300	6-15	3-400
KS	DONIPHAN	388	PLAINS	0- 300	16-25	3-400
KS	DOUGLAS	477	PLAINS	0- 300	6-15	3-400
KS	EDWARDS	617	PLAINS	0- 300	6-15	4-500
KS	ELK	647	OPEN-HILLS-MTNS	3- 500	6-15	4-500
KS	ELLIS	900	PLAINS	0- 300	6-15	3-400
KS	ELLSWORTH	717	PLAINS	0- 300	6-15	3-400
KS	FINNEY	1,301	PLAINS	0- 300	6-15	4-500
KS	FORD	1,091	PLAINS	0- 300	6-15	4-500
KS	FRANKLIN	577	PLAINS	0- 300	6-15	3-400
KS	GEARY	374	OPEN-HILLS-MTNS	3- 500	6-15	3-400
KS	GOVE	1,070	PLAINS	0- 300	6-15	3-400
KS	GRAHAM	891	PLAINS	0- 300	6-15	3-400
KS	GRANT	571	PLAINS	0- 300	6-15	4-500
KS	GRAY	872	PLAINS	0- 300	6-15	4-500
KS	GREELEY	787	PLAINS	0- 300	6-15	4-500
KS	GREENWOOD	1,133	OPEN-HILLS-MTNS	3- 500	6-15	3-400
KS	HAMILTON	992	PLAINS	0- 300	6-15	4-500
KS	HARPER	801	PLAINS	0- 300	6-15	4-500
KS	HARVEY	540	PLAINS	0- 300	6-15	4-500
KS	HASKELL	580	PLAINS	0- 300	6-15	4-500
KS	HODGEMAN	860	PLAINS	0- 300	6-15	4-500
KS	JACKSON	656	PLAINS	0- 300	6-15	3-400
KS	JEFFERSON	510	PLAINS	0- 300	6-15	3-400
KS	JEWELL	910	OPEN-HILLS-MTNS	0- 300	6-15	3-400
KS	JOHNSON	476	PLAINS	0- 300	6-15	3-400
KS	KEARNY	855	PLAINS	0- 300	6-15	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
KS	KINGMAN	864	PLAINS	0- 300	6-15	4-500
KS	KIOWA	720	TABLELANDS	3- 500	6-15	4-500
KS	LABETTE	654	PLAINS	0- 300	6-15	3-400
KS	LANE	720	PLAINS	0- 300	6-15	4-500
KS	LEAVENWORTH	466	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KS	LINCOLN	725	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
KS	LINN	606	PLAINS	0- 300	6-15	3-400
KS	LOGAN	1,073	PLAINS	0- 300	6-15	3-400
KS	LYON	841	OPEN-HILLS-MTNS	3- 500	6-15	3-400
KS	MC PHERSON	896	PLAINS	0- 300	6-15	4-500
KS	MARION	945	PLAINS	0- 300	6-15	3-400
KS	MARSHALL	863	PLAINS	0- 300	6-15	3-400
KS	MEADE	979	PLAINS	0- 300	6-15	4-500
KS	MIAMI	592	PLAINS	0- 300	6-15	3-400
KS	MITCHELL	714	PLAINS	0- 300	6-15	3-400
KS	MONTGOMERY	628	PLAINS	0- 300	6-15	4-500
KS	MORRIS	697	OPEN-HILLS-MTNS	3- 500	6-15	3-400
KS	MORTON	728	PLAINS	0- 300	6-15	4-500
KS	NEMAHA	708	PLAINS	0- 300	6-15	3-400
KS	NEOSHO	587	PLAINS	0- 300	6-15	3-400
KS	NESS	1,081	PLAINS	0- 300	6-15	4-500
KS	NORTON	872	PLAINS	0- 300	6-15	3-400
KS	OSAGE	707	PLAINS	0- 300	6-15	3-400
KS	OSBORNE	886	PLAINS	0- 300	6-15	3-400
KS	OTTAWA	723	PLAINS	0- 300	6-15	3-400
KS	PAWNEE	755	PLAINS	0- 300	6-15	4-500
KS	PHILLIPS	897	OPEN-HILLS-MTNS	0- 300	6-15	3-400
KS	POTTAWATOMIE	820	OPEN-HILLS-MTNS	3- 500	6-15	3-400
KS	PRATT	729	PLAINS	0- 300	6-15	4-500
KS	RAWLINS	1,078	PLAINS	0- 300	6-15	3-400
KS	RENO	1,260	PLAINS	0- 300	6-15	4-500
KS	REPUBLIC	718	PLAINS	0- 300	6-15	3-400
KS	RICE	725	PLAINS	0- 300	6-15	4-500
KS	RILEY	597	OPEN-HILLS-MTNS	3- 500	6-15	3-400
KS	ROOKS	886	PLAINS	0- 300	6-15	3-400
KS	RUSH	724	PLAINS	0- 300	6-15	3-400
KS	RUSSELL	867	PLAINS	0- 300	6-15	3-400
KS	SALINE	720	PLAINS	0- 300	6-15	3-400
KS	SCOTT	724	PLAINS	0- 300	6-15	4-500
KS	SEDGWICK	1,007	PLAINS	0- 300	6-15	4-500
KS	SEWARD	646	PLAINS	0- 300	6-15	4-500
KS	SHAWNEE	548	PLAINS	0- 300	6-15	3-400
KS	SHERIDAN	893	PLAINS	0- 300	6-15	3-400
KS	SHERMAN	1,055	PLAINS	0- 300	6-15	3-400
KS	SMITH	893	OPEN-HILLS-MTNS	0- 300	6-15	3-400
KS	STAFFORD	795	PLAINS	0- 300	6-15	4-500
KS	STANTON	676	PLAINS	0- 300	6-15	4-500
KS	STEVENS	731	PLAINS	0- 300	6-15	4-500
KS	SUMNER	1,186	PLAINS	0- 300	6-15	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
KS	THOMAS	1,070	PLAINS	0- 300	6-15	3-400
KS	TREGO	901	PLAINS	0- 300	6-15	3-400
KS	WABAUNSEE	792	OPEN-HILLS-MTNS	3- 500	6-15	3-400
KS	WALLACE	911	PLAINS	0- 300	6-15	3-400
KS	WASHINGTON	891	PLAINS	0- 300	6-15	3-400
KS	WICHITA	724	PLAINS	0- 300	6-15	3-400
KS	WILSON	574	PLAINS	0- 300	6-15	3-400
KS	WOODSON	497	PLAINS	0- 300	6-15	3-400
KS	WYANDOTTE	152	OPEN-HILLS-MTNS	0- 300	6-15	3-400
	KENTUCKY	39,650				
KY	ADAIR	370	OPEN-HILLS-MTNS	5-1000	16-25	3-400
KY	ALLEN	351	PLAINS	0- 300	16-25	3-400
KY	ANDERSON	206	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	BALLARD	259	PLAINS	0- 300	16-25	3-400
KY	BARREN	468	PLAINS	0- 300	16-25	3-400
KY	BATH	287	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	BELL	370	HILLS-MTNS	1-3000	26-35	3-400
KY	BOONE	249	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	BOURBON	300	PLAINS	0- 300	16-25	3-400
KY	BOYD	159	HILLS-MTNS	3- 500	16-25	3-400
KY	BOYLE	183	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	BRACKEN	204	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	BREATHITT	494	HILLS-MTNS	5-1000	16-25	3-400
KY	BRECKINRIDGE	554	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	BULLITT	300	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	BUTLER	443	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	CALDWELL	357	PLAINS	0- 300	16-25	3-400
KY	CALLOWAY	384	PLAINS	0- 300	16-25	3-400
KY	CAMPBELL	149	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	CARLISLE	195	PLAINS	0- 300	16-25	3-400
KY	CARROLL	130	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	CARTER	397	HILLS-MTNS	3- 500	16-25	3-400
KY	CASEY	435	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	CHRISTIAN	725	PLAINS	0- 300	16-25	3-400
KY	CLARK	259	PLAINS	0- 300	16-25	3-400
KY	CLAY	474	HILLS-MTNS	5-1000	26-35	3-400
KY	CLINTON	190	OPEN-HILLS-MTNS	5-1000	16-25	3-400
KY	CRITTENDEN	365	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	CUMBERLAND	310	OPEN-HILLS-MTNS	5-1000	16-25	3-400
KY	DAVIESS	462	PLAINS	0- 300	16-25	3-400
KY	EDMONSON	298	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	ELLIOTT	240	HILLS-MTNS	5-1000	16-25	3-400
KY	ESTILL	260	HILLS-MTNS	5-1000	16-25	3-400
KY	FAYETTE	280	PLAINS	0- 300	16-25	3-400
KY	FLEMING	350	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	FLOYD	399	HILLS-MTNS	5-1000	16-25	3-400
KY	FRANKLIN	211	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	FULTON	203	PLAINS	0- 300	16-25	3-400
KY	GALLATIN	100	OPEN-HILLS-MTNS	3- 500	16-25	3-400

STATE	AND COUNTY	LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
KY	GARRARD	236	PLAINS	0- 300	16-25	3-400
KY	GRANT	249	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	GRAVES	560	PLAINS	0- 300	16-25	3-400
KY	GRAYSON	496	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	GREEN	282	PLAINS	0- 300	16-25	3-400
KY	GREENUP	351	HILLS-MTNS	3- 500	16-25	3-400
KY	HANCOCK	187	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	HARDIN	616	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	HARLAN	469	HILLS-MTNS	1-3000	16-25	3-400
KY	HARRISON	308	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	HART	420	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	HENDERSON	433	PLAINS	0- 300	16-25	3-400
KY	HENRY	289	PLAINS	0- 300	16-25	3-400
KY	HICKMAN	246	PLAINS	0- 300	16-25	3-400
KY	HOPKINS	553	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	JACKSON	337	HILLS-MTNS	5-1000	16-25	3-400
KY	JEFFERSON	379	PLAINS	0- 300	16-25	3-400
KY	JESSAMINE	177	PLAINS	0- 300	16-25	3-400
KY	JOHNSON	264	HILLS-MTNS	5-1000	16-25	3-400
KY	KENTON	165	TABLELANDS	3- 500	16-25	3-400
KY	KNOTT	356	HILLS-MTNS	5-1000	16-25	3-400
KY	KNOX	373	HILLS-MTNS	5-1000	26-35	3-400
KY	LARUE	260	PLAINS	0- 300	16-25	3-400
KY	LAUREL	446	HILLS-MTNS	5-1000	16-25	3-400
KY	LAWRENCE	425	HILLS-MTNS	5-1000	16-25	3-400
KY	LEE	210	HILLS-MTNS	5-1000	16-25	3-400
KY	LESLIE	409	HILLS-MTNS	1-3000	26-35	3-400
KY	LETCHER	339	HILLS-MTNS	1-3000	16-25	3-400
KY	LEWIS	486	HILLS-MTNS	5-1000	16-25	3-400
KY	LINCOLN	340	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	LIVINGSTON	311	PLAINS	0- 300	16-25	3-400
KY	LOGAN	563	PLAINS	0- 300	16-25	3-400
KY	LYON	216	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	MC CRACKEN	250	PLAINS	0- 300	16-25	3-400
KY	MC CREARY	418	HILLS-MTNS	5-1000	16-25	3-400
KY	MC LEAN	257	PLAINS	0- 300	16-25	3-400
KY	MADISON	446	PLAINS	0- 300	16-25	3-400
KY	MAGOFFIN	303	HILLS-MTNS	5-1000	16-25	3-400
KY	MARION	343	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	MARSHALL	303	PLAINS	0- 300	16-25	3-400
KY	MARTIN	231	HILLS-MTNS	5-1000	16-25	3-400
KY	MASON	238	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	MEADE	305	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	MENIFEE	210	HILLS-MTNS	5-1000	16-25	3-400
KY	MERCER	256	PLAINS	0- 300	16-25	3-400
KY	METCALFE	296	PLAINS	0- 300	16-25	3-400
KY	MONROE	334	PLAINS	0- 300	16-25	3-400
KY	MONTGOMERY	204	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	MORGAN	369	HILLS-MTNS	5-1000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
KY	MUHLENBERG	481	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	NELSON	437	PLAINS	0- 300	16-25	3-400
KY	NICHOLAS	204	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	OHIO	596	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	OLDHAM	184	PLAINS	0- 300	16-25	3-400
KY	OWEN	351	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	OWSLEY	197	HILLS-MTNS	5-1000	16-25	3-400
KY	PENDLETON	279	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	PERRY	341	HILLS-MTNS	1-3000	26-35	3-400
KY	PIKE	782	HILLS-MTNS	1-3000	16-25	3-400
KY	POWELL	173	HILLS-MTNS	5-1000	16-25	3-400
KY	PULASKI	653	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	ROBERTSON	101	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	ROCKCASTLE	311	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	ROWAN	290	HILLS-MTNS	5-1000	16-25	3-400
KY	RUSSELL	238	OPEN-HILLS-MTNS	5-1000	16-25	3-400
KY	SCOTT	284	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	SHELBY	383	PLAINS	0- 300	16-25	3-400
KY	SIMPSON	239	PLAINS	0- 300	16-25	3-400
KY	SPENCER	193	PLAINS	0- 300	16-25	3-400
KY	TAYLOR	277	PLAINS	0- 300	16-25	3-400
KY	TODD	376	PLAINS	0- 300	16-25	3-400
KY	TRIGG	408	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	TRIMBLE	146	OPEN-HILLS-MTNS	3- 500	16-25	3-400
KY	UNION	340	PLAINS	0- 300	16-25	3-400
KY	WARREN	546	PLAINS	0- 300	16-25	3-400
KY	WASHINGTON	307	PLAINS	0- 300	16-25	3-400
KY	WAYNE	440	HILLS-MTNS	5-1000	16-25	3-400
KY	WEBSTER	339	PLAINS	0- 300	16-25	3-400
KY	WHITLEY	459	HILLS-MTNS	5-1000	26-35	3-400
KY	WOLFE	227	HILLS-MTNS	5-1000	16-25	3-400
KY	WOODFORD	193	PLAINS	0- 300	16-25	3-400
	LOUISIANA	44,930				
LA	ACADIA	663	PLAINS	0- 300	16-25	4-500
LA	ALLEN	774	PLAINS	0- 300	16-25	4-500
LA	ASCENSION	301	PLAINS	0- 300	16-25	4-500
LA	ASSUMPTION	356	PLAINS	0- 300	16-25	4-500
LA	AVOYELLES	832	PLAINS	0- 300	16-25	4-500
LA	BEAUREGARD	1,181	PLAINS	0- 300	16-25	4-500
LA	BIENVILLE	832	PLAINS	0- 300	16-25	4-500
LA	BOSSIER	849	PLAINS	0- 300	16-25	4-500
LA	CADDO	899	PLAINS	0- 300	16-25	4-500
LA	CALCASIEU	1,105	PLAINS	0- 300	16-25	4-500
LA	CALDWELL	551	PLAINS	0- 300	16-25	4-500
LA	CAMERON	1,441	PLAINS	0- 300	16-25	4-500
LA	CATAHOULA	742	PLAINS	0- 300	16-25	4-500
LA	CLAIBORNE	763	PLAINS	0- 300	16-25	3-400
LA	CONCORDIA	718	PLAINS	0- 300	16-25	4-500
LA	DE SOTO	894	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
LA	EAST BATON ROUGE	459	PLAINS	0- 300	16-25	4-500
LA	EAST CARROLL	436	PLAINS	0- 300	16-25	3-400
LA	EAST FELICIANA	454	PLAINS	0- 300	16-25	4-500
LA	EVANGELINE	669	PLAINS	0- 300	16-25	4-500
LA	FRANKLIN	648	PLAINS	0- 300	16-25	4-500
LA	GRANT	670	PLAINS	0- 300	16-25	4-500
LA	IBERIA	589	PLAINS	0- 300	16-25	4-500
LA	IBERVILLE	627	PLAINS	0- 300	16-25	4-500
LA	JACKSON	582	PLAINS	0- 300	16-25	4-500
LA	JEFFERSON	369	PLAINS	0- 300	16-25	4-500
LA	JEFFERSON DAVIS	658	PLAINS	0- 300	16-25	4-500
LA	LAFAYETTE	283	PLAINS	0- 300	16-25	4-500
LA	LAFOURCHE	1,141	PLAINS	0- 300	16-25	4-500
LA	LA SALLE	643	PLAINS	0- 300	16-25	4-500
LA	LINCOLN	469	PLAINS	0- 300	16-25	3-400
LA	LIVINGSTON	654	PLAINS	0- 300	16-25	4-500
LA	MADISON	661	PLAINS	0- 300	16-25	4-500
LA	MOREHOUSE	804	PLAINS	0- 300	16-25	3-400
LA	NATCHITOCHES	1,292	PLAINS	0- 300	16-25	4-500
LA	ORLEANS	197	PLAINS	0- 300	16-25	4-500
LA	OUACHITA	638	PLAINS	0- 300	16-25	3-400
LA	PLAQUEMINES	1,030	PLAINS	0- 300	16-25	4-500
LA	POINTE COUPEE	563	PLAINS	0- 300	16-25	4-500
LA	RAPIDES	1,318	PLAINS	0- 300	16-25	4-500
LA	RED RIVER	406	PLAINS	0- 300	16-25	4-500
LA	RICHLAND	576	PLAINS	0- 300	16-25	3-400
LA	SABINE	873	PLAINS	0- 300	16-25	4-500
LA	ST BERNARD	514	PLAINS	0- 300	16-25	4-500
LA	ST CHARLES	294	PLAINS	0- 300	16-25	4-500
LA	ST HELENA	420	PLAINS	0- 300	16-25	4-500
LA	ST JAMES	253	PLAINS	0- 300	16-25	4-500
LA	ST JOHN THE BAPTIST	227	PLAINS	0- 300	16-25	4-500
LA	ST LANDRY	932	PLAINS	0- 300	16-25	4-500
LA	ST MARTIN	736	PLAINS	0- 300	16-25	4-500
LA	ST MARY	624	PLAINS	0- 300	16-25	4-500
LA	ST TAMMANY	887	PLAINS	0- 300	16-25	4-500
LA	TANGIPAHOA	808	PLAINS	0- 300	16-25	4-500
LA	TENSAS	626	PLAINS	0- 300	16-25	4-500
LA	TERREBONNE	1,368	PLAINS	0- 300	16-25	4-500
LA	UNION	885	PLAINS	0- 300	16-25	3-400
LA	VERMILION	1,205	PLAINS	0- 300	16-25	4-500
LA	VERNON	1,351	PLAINS	0- 300	16-25	4-500
LA	WASHINGTON	665	PLAINS	0- 300	16-25	4-500
LA	WEBSTER	615	PLAINS	0- 300	16-25	4-500
LA	WEST BATON ROUGE	203	PLAINS	0- 300	16-25	4-500
LA	WEST CARROLL	356	PLAINS	0- 300	16-25	3-400
LA	WEST FELICIANA	405	PLAINS	0- 300	16-25	4-500
LA	WINN	950	PLAINS	0- 300	16-25	4-500
	MAINE	30,920				

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
ME	ANDROSCOGGIN	474	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
ME	AROOSTOOK	6,821	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ME	CUMBERLAND	879	PLAINS	0- 300	16-25	3-400
ME	FRANKLIN	1,709	OPEN-HILLS-MTNS	1-3000	6-15	3-400
ME	HANCOCK	1,536	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
ME	KENNEBEC	872	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
ME	KNOX	369	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ME	LINCOLN	454	PLAINS	0- 300	6-15	3-400
ME	OXFORD	2,080	OPEN-HILLS-MTNS	1-3000	6-15	3-400
ME	PENOBSCOT	3,390	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ME	PISCATAQUIS	3,892	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
ME	SAGADAHOC	257	PLAINS	0- 300	6-15	3-400
ME	SOMERSET	3,894	OPEN-HILLS-MTNS	1-3000	6-15	3-400
ME	WALDO	737	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
ME	WASHINGTON	2,554	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
ME	YORK	1,001	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
	MARYLAND	9,891				
MD	ALLEGANY	428	OPEN-HILLS-MTNS	1-3000	16-25	3-400
MD	ANNE ARUNDEL	423	PLAINS	0- 300	16-25	3-400
MD	BALTIMORE	598	TABLELANDS	3- 500	16-25	3-400
MD	CALVERT	217	PLAINS	0- 300	16-25	3-400
MD	CAROLINE	321	PLAINS	0- 300	16-25	3-400
MD	CARROLL	456	TABLELANDS	3- 500	16-25	3-400
MD	CECIL	362	TABLELANDS	3- 500	16-25	3-400
MD	CHARLES	459	PLAINS	0- 300	16-25	3-400
MD	DORCHESTER	594	PLAINS	0- 300	16-25	3-400
MD	FREDERICK	665	PLAINS	0- 300	16-25	3-400
MD	GARRETT	659	OPEN-HILLS-MTNS	1-3000	16-25	3-400
MD	HARFORD	453	TABLELANDS	3- 500	16-25	3-400
MD	HOWARD	251	TABLELANDS	3- 500	16-25	3-400
MD	KENT	281	PLAINS	0- 300	16-25	3-400
MD	MONTGOMERY	495	TABLELANDS	3- 500	16-25	3-400
MD	PRINCE GEORGES	485	PLAINS	0- 300	16-25	3-400
MD	QUEEN ANNES	375	PLAINS	0- 300	16-25	3-400
MD	ST MARYS	373	PLAINS	0- 300	16-25	3-400
MD	SOMERSET	339	PLAINS	0- 300	16-25	3-400
MD	TALBOT	261	PLAINS	0- 300	16-25	3-400
MD	WASHINGTON	459	PLAINS	0- 300	16-25	3-400
MD	WICOMICO	381	PLAINS	0- 300	16-25	3-400
MD	WORCESTER	479	PLAINS	0- 300	16-25	3-400
	BALTIMORE CITY	78				
	MASSACHUSETTS	7,826				
MA	BARNSTABLE	393	PLAINS	0- 300	6-15	3-400
MA	BERKSHIRE	941	OPEN-HILLS-MTNS	1-3000	16-25	-300
MA	BRISTOL	554	PLAINS	0- 300	6-15	3-400
MA	DUKES	104	PLAINS	0- 300	6-15	3-400
MA	ESSEX	494	PLAINS	0- 300	16-25	3-400
MA	FRANKLIN	708	OPEN-HILLS-MTNS	1-3000	16-25	3-400
MA	HAMPDEN	619	PLAINS-HILLS-MTNS	5-1000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MA	HAMPSHIRE	529	OPEN-HILLS-MTNS	1-3000	16-25	3-400
MA	MIDDLESEX	825	PLAINS	0- 300	16-25	3-400
MA	NANTUCKET	46	PLAINS	0- 300	6-15	3-400
MA	NORFOLK	394	PLAINS	0- 300	6-15	3-400
MA	PLYMOUTH	654	PLAINS	0- 300	6-15	3-400
MA	SUFFOLK	56	PLAINS	0- 300	16-25	3-400
MA	WORCESTER	1,509	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
	MICHIGAN	56,817				
MI	ALCONA	678	PLAINS	0- 300	6-15	3-400
MI	ALGER	905	PLAINS	0- 300	6-15	3-400
MI	ALLEGAN	826	PLAINS	0- 300	6-15	3-400
MI	ALPENA	565	PLAINS	0- 300	6-15	3-400
MI	ANTRIM	476	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	ARENAC	367	PLAINS	0- 300	6-15	3-400
MI	BARAGA	901	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
MI	BARRY	554	PLAINS	0- 300	6-15	3-400
MI	BAY	447	PLAINS	0- 300	6-15	3-400
MI	BENZIE	316	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	BERRIEN	580	PLAINS	0- 300	6-15	3-400
MI	BRANCH	506	PLAINS	0- 300	6-15	3-400
MI	CALHOUN	709	PLAINS	0- 300	6-15	3-400
MI	CASS	491	PLAINS	0- 300	6-15	3-400
MI	CHARLEVOIX	414	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	CHEBOYGAN	721	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	CHIPPEWA	1,595	PLAINS	0- 300	6-15	3-400
MI	CLARE	571	PLAINS	0- 300	6-15	3-400
MI	CLINTON	572	PLAINS	0- 300	6-15	3-400
MI	CRAWFORD	561	PLAINS	0- 300	6-15	3-400
MI	DELTA	1,177	PLAINS	0- 300	6-15	3-400
MI	DICKINSON	757	PLAINS	0- 300	6-15	3-400
MI	EATON	571	PLAINS	0- 300	6-15	3-400
MI	EMMET	461	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	GENESEE	642	PLAINS	0- 300	6-15	3-400
MI	GLADWIN	505	PLAINS	0- 300	6-15	3-400
MI	GOGEBIC	1,107	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
MI	GRAND TRAVERSE	462	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	GRATIOT	566	PLAINS	0- 300	6-15	3-400
MI	HILLSDALE	600	PLAINS	0- 300	6-15	3-400
MI	HOUGHTON	1,017	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
MI	HURON	819	PLAINS	0- 300	6-15	3-400
MI	INGHAM	559	PLAINS	0- 300	6-15	3-400
MI	IONIA	575	PLAINS	0- 300	6-15	3-400
MI	IOSCO	544	PLAINS	0- 300	6-15	3-400
MI	IRON	1,171	PLAINS	0- 300	6-15	3-400
MI	ISABELLA	572	PLAINS	0- 300	6-15	3-400
MI	JACKSON	698	PLAINS	0- 300	6-15	3-400
MI	KALAMAZOO	562	PLAINS	0- 300	6-15	3-400
MI	KALKASKA	566	PLAINS	0- 300	6-15	3-400
MI	KENT	857	PLAINS	0- 300	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MI	KEWEENAW	538	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
MI	LAKE	571	PLAINS	0- 300	6-15	3-400
MI	LAPEER	658	PLAINS	0- 300	6-15	3-400
MI	LEELANAU	345	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	LENAWEE	753	PLAINS	0- 300	6-15	3-400
MI	LIVINGSTON	572	PLAINS	0- 300	6-15	3-400
MI	LUCE	906	PLAINS	0- 300	6-15	3-400
MI	MACKINAC	1,014	PLAINS	0- 300	6-15	3-400
MI	MACOMB	480	PLAINS	0- 300	6-15	3-400
MI	MANISTEE	553	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	MARQUETTE	1,828	PLAINS	0- 300	6-15	3-400
MI	MASON	490	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	MECOSTA	560	PLAINS	0- 300	6-15	3-400
MI	MENOMINEE	1,038	PLAINS	0- 300	6-15	3-400
MI	MIDLAND	520	PLAINS	0- 300	6-15	3-400
MI	MISSAUKEE	565	PLAINS	0- 300	6-15	3-400
MI	MONROE	557	PLAINS	0- 300	6-15	3-400
MI	MONTCALM	712	PLAINS	0- 300	6-15	3-400
MI	MONTMORENCY	555	PLAINS	0- 300	6-15	3-400
MI	MUSKEGON	501	PLAINS	0- 300	6-15	3-400
MI	NEWAYGO	849	PLAINS	0- 300	6-15	3-400
MI	OAKLAND	867	PLAINS	0- 300	6-15	3-400
MI	OCEANA	536	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	OGEMAW	571	PLAINS	0- 300	6-15	3-400
MI	ONTONAGON	1,316	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
MI	OSCEOLA	581	PLAINS	0- 300	6-15	3-400
MI	OSCODA	563	PLAINS	0- 300	6-15	3-400
MI	OTSEGO	527	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MI	OTTAWA	563	PLAINS	0- 300	6-15	3-400
MI	PRESQUE ISLE	648	PLAINS	0- 300	6-15	3-400
MI	ROSCOMMON	521	PLAINS	0- 300	6-15	3-400
MI	SAGINAW	814	PLAINS		003-40	0- 3
MI	ST CLAIR	734	PLAINS	0- 300	6-15	3-400
MI	ST JOSEPH	506	PLAINS	0- 300	6-15	3-400
MI	SANILAC	961	PLAINS	0- 300	6-15	3-400
MI	SCHOOLCRAFT	1,181	PLAINS	0- 300	6-15	3-400
MI	SHIAWASSEE	540	PLAINS	0- 300	6-15	3-400
MI	TUSCOLA	815	PLAINS	0- 300	6-15	3-400
MI	VAN BUREN	603	PLAINS	0- 300	6-15	3-400
MI	WASHTENAW	711	PLAINS	0- 300	6-15	3-400
MI	WAYNE	605	PLAINS	0- 300	6-15	3-400
MI	WEXFORD	559	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
	MINNESOTA	79,289				
MN	AITKIN	1,828	PLAINS	0- 300	6-15	3-400
MN	ANOKA	424	PLAINS	0- 300	6-15	3-400
MN	BECKER	1,297	PLAINS	0- 300	6-15	3-400
MN	BELTRAMI	2,507	PLAINS	0- 300	6-15	3-400
MN	BENTON	402	PLAINS	0- 300	6-15	3-400
	BIG STONE	490				

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MN	BLUE EARTH	737	PLAINS	0- 300	6-15	3-400
MN	BROWN	610	PLAINS	0- 300	6-15	3-400
MN	CARLTON	862	PLAINS	0- 300	6-15	3-400
MN	CARVER	359	PLAINS	0- 300	16-25	3-400
MN	CASS	1,998	PLAINS	0- 300	6-15	3-400
MN	CHIPPEWA	582	PLAINS	0- 300	6-15	3-400
MN	CHISAGO	419	PLAINS	0- 300	6-15	3-400
MN	CLAY	1,045	PLAINS	0- 300	6-15	3-400
MN	CLEARWATER	1,000	PLAINS	0- 300	6-15	3-400
MN	COOK	1,346	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MN	COTTONWOOD	636	PLAINS	0- 300	6-15	3-400
MN	CROW WING	995	PLAINS	0- 300	6-15	3-400
MN	DAKOTA	576	PLAINS	0- 300	6-15	3-400
MN	DODGE	435	PLAINS	0- 300	6-15	3-400
MN	DOUGLAS	647	PLAINS	0- 300	6-15	3-400
MN	FARIBAULT	711	PLAINS	0- 300	6-15	3-400
MN	FILLMORE	859	OPEN-HILLS-MTNS	3- 500	6-15	3-400
MN	FREEBORN	701	PLAINS	0- 300	6-15	3-400
MN	GOODHUE	753	PLAINS	0- 300	6-15	3-400
MN	GRANT	546	PLAINS	0- 300	6-15	3-400
MN	HENNEPIN	567	PLAINS	0- 300	6-15	3-400
MN	HOUSTON	565	OPEN-HILLS-MTNS	3- 500	6-15	3-400
MN	HUBBARD	932	PLAINS	0- 300	6-15	3-400
MN	ISANTI	439	PLAINS	0- 300	6-15	3-400
MN	ITASCA	2,633	PLAINS	0- 300	6-15	3-400
MN	JACKSON	696	PLAINS	0- 300	6-15	3-400
MN	KANABEC	524	PLAINS	0- 300	6-15	3-400
MN	KANDIYOHI	783	PLAINS	0- 300	16-25	3-400
MN	KITTSON	1,123	PLAINS	0- 300	6-15	3-400
MN	KOOCHICHING	3,127	PLAINS	0- 300	6-15	3-400
MN	LAC QUI PARLE	768	PLAINS	0- 300	6-15	3-400
MN	LAKE	2,062	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
MN	LAKE OF THE WOODS	1,311	PLAINS	0- 300	6-15	3-400
MN	LE SUEUR	440	PLAINS	0- 300	6-15	3-400
MN	LINCOLN	531	PLAINS	0- 300	6-15	3-400
MN	LYON	709	PLAINS	0- 300	6-15	3-400
MN	MC LEOD	488	PLAINS	0- 300	16-25	3-400
MN	MAHNOMEN	563	PLAINS	0- 300	6-15	3-400
MN	MARSHALL	1,789	PLAINS	0- 300	6-15	3-400
MN	MARTIN	703	PLAINS	0- 300	6-15	3-400
MN	MEEKER	619	PLAINS	0- 300	16-25	3-400
MN	MILLE LACS	571	PLAINS	0- 300	6-15	3-400
MN	MORRISON	1,127	PLAINS	0- 300	6-15	3-400
MN	MOWER	703	PLAINS	0- 300	6-15	3-400
MN	MURRAY	703	PLAINS	0- 300	6-15	3-400
MN	NICOLLET	432	PLAINS	0- 300	6-15	3-400
MN	NOBLES	712	PLAINS	0- 300	6-15	3-400
MN	NORMAN	885	PLAINS	0- 300	6-15	3-400
MN	OLMSTED	656	PLAINS	0- 300	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MN	OTTER TAIL	1,962	PLAINS	0- 300	6-15	3-400
MN	PENNINGTON	622	PLAINS	0- 300	6-15	3-400
MN	PINE	1,414	PLAINS	0- 300	6-15	3-400
MN	PIPESTONE	464	PLAINS	0- 300	6-15	3-400
MN	POLK	2,013	PLAINS	0- 300	6-15	3-400
MN	POPE	669	PLAINS	0- 300	6-15	3-400
MN	RAMSEY	155	PLAINS	0- 300	6-15	3-400
MN	RED LAKE	432	PLAINS	0- 300	6-15	3-400
MN	REDWOOD	874	PLAINS	0- 300	6-15	3-400
MN	RENVILLE	979	PLAINS	0- 300	6-15	3-400
MN	RICE	496	PLAINS	0- 300	6-15	3-400
MN	ROCK	485	PLAINS	0- 300	6-15	3-400
MN	ROSEAU	1,676	PLAINS	0- 300	6-15	3-400
MN	ST LOUIS	6,092	PLAINS	0- 300	6-15	3-400
MN	SCOTT	353	PLAINS	0- 300	6-15	3-400
MN	SHERBURNE	431	PLAINS	0- 300	6-15	3-400
MN	SIBLEY	583	PLAINS	0- 300	6-15	3-400
MN	STEARNS	1,342	PLAINS	0- 300	16-25	3-400
MN	STEELE	425	PLAINS	0- 300	6-15	3-400
MN	STEVENS	558	PLAINS	0- 300	6-15	3-400
MN	SWIFT	739	PLAINS	0- 300	6-15	3-400
MN	TODD	942	PLAINS	0- 300	6-15	3-400
MN	TRAVERSE	568	PLAINS	0- 300	6-15	3-400
MN	WABASHA	522	OPEN-HILLS-MTNS	3- 500	6-15	3-400
MN	WADENA	536	PLAINS	0- 300	6-15	3-400
MN	WASECA	415	PLAINS	0- 300	6-15	3-400
MN	WASHINGTON	386	PLAINS	0- 300	6-15	3-400
MN	WATONWAN	433	PLAINS	0- 300	6-15	3-400
MN	WILKIN	752	PLAINS	0- 300	6-15	3-400
MN	WINONA	620	OPEN-HILLS-MTNS	3- 500	6-15	3-400
MN	WRIGHT	674	PLAINS	0- 300	16-25	3-400
MN	YELLOW MEDICINE	753	PLAINS	0- 300	16-25	3-400
	MISSISSIPPI	47,296				
MS	ADAMS	449	PLAINS	0- 300	16-25	4-500
MS	ALCORN	405	PLAINS	0- 300	16-25	3-400
MS	AMITE	729	PLAINS	0- 300	16-25	4-500
MS	ATTALA	724	PLAINS	0- 300	16-25	3-400
MS	BENTON	412	PLAINS	0- 300	16-25	3-400
MS	BOLIVAR	923	PLAINS	0- 300	16-25	3-400
MS	CALHOUN	575	PLAINS	0- 300	16-25	3-400
MS	CARROLL	637	PLAINS	0- 300	16-25	3-400
MS	CHICKASAW	506	PLAINS	0- 300	26-35	3-400
MS	CHOCTAW	417	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MS	CLAIBORNE	489	PLAINS	0- 300	16-25	4-500
MS	CLARKE	697	PLAINS	0- 300	16-25	4-500
MS	CLAY	414	PLAINS	0- 300	16-25	3-400
MS	COAHOMA	569	PLAINS	0- 300	16-25	3-400
MS	COPIAH	762	PLAINS	0- 300	16-25	4-500
MS	COVINGTON	416	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MS	DE SOTO	476	PLAINS	0- 300	16-25	3-400
MS	FORREST	468	PLAINS	0- 300	16-25	4-500
MS	FRANKLIN	568	PLAINS	0- 300	16-25	4-500
MS	GEORGE	481	PLAINS	0- 300	26-35	4-500
MS	GREENE	728	PLAINS	0- 300	16-25	4-500
MS	GRENADA	431	PLAINS	0- 300	16-25	3-400
MS	HANCOCK	482	PLAINS	0- 300	16-25	4-500
MS	HARRISON	585	PLAINS	0- 300	26-35	4-500
	HINDS	876				
MS	HOLMES	769	PLAINS	0- 300	16-25	4-500
MS	HUMPHREYS	421	PLAINS	0- 300	16-25	3-400
MS	ISSAQUENA	414	PLAINS	0- 300	16-25	3-400
MS	ITAWAMBA	541	PLAINS	0- 300	26-35	3-400
MS	JACKSON	736	PLAINS	0- 300	26-35	3-400
MS	JASPER	683	PLAINS	0- 300	16-25	4-500
MS	JEFFERSON	521	PLAINS	0- 300	16-25	4-500
MS	JEFFERSON DAVIS	414	PLAINS	0- 300	16-25	4-500
MS	JONES	702	PLAINS	0- 300	16-25	4-500
MS	KEMPER	757	OPEN-HILLS-MTNS	0- 300	16-25	4-500
MS	LAFAYETTE	668	PLAINS	0- 300	16-25	4-500
MS	LAMAR	500	PLAINS	0- 300	16-25	3-400
MS	LAUDERDALE	708	OPEN-HILLS-MTNS	0- 300	16-25	4-500
MS	LAWRENCE	433	PLAINS	0- 300	16-25	4-500
MS	LEAKE	586	PLAINS	0- 300	16-25	4-500
MS	LEE	455	PLAINS	0- 300	26-35	3-400
MS	LEFLORE	592	PLAINS	0- 300	16-25	3-400
MS	LINCOLN	586	PLAINS	0- 300	16-25	3-400
MS	LOWNDES	508	PLAINS	0- 300	16-25	4-500
MS	MADISON	727	PLAINS	0- 300	16-25	3-400
MS	MARION	550	PLAINS	0- 300	16-25	3-400
MS	MARSHALL	710	PLAINS	0- 300	16-25	4-500
MS	MONROE	769	PLAINS	0- 300	16-25	3-400
MS	MONTGOMERY	403	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MS	NESHOBA	568	PLAINS	0- 300	16-25	3-400
MS	NEWTON	580	PLAINS	0- 300	16-25	4-500
MS	NOXUBEE	695	PLAINS	0- 300	16-25	3-400
MS	OKTIBBEHA	454	PLAINS	0- 300	16-25	3-400
MS	PANOLA	693	PLAINS	0- 300	16-25	3-400
MS	PEARL RIVER	828	PLAINS	0- 300	16-25	4-500
MS	PERRY	653	PLAINS	0- 300	16-25	4-500
MS	PIKE	409	PLAINS	0- 300	16-25	4-500
MS	PONTOTOC	501	PLAINS	0- 300	16-25	3-400
MS	PRENTISS	418	PLAINS	0- 300	16-25	3-400
MS	QUITMAN	412	PLAINS	0- 300	16-25	3-400
MS	RANKIN	775	PLAINS	0- 300	16-25	4-500
MS	SCOTT	615	PLAINS	0- 300	16-25	4-500
MS	SHARKEY	436	PLAINS	0- 300	16-25	3-400
MS	SIMPSON	587	PLAINS	0- 300	16-25	4-500
MS	SMITH	642	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MS	STONE	448	PLAINS	0- 300	26-35	4-500
MS	SUNFLOWER	694	PLAINS	0- 300	16-25	3-400
MS	TALLAHATCHIE	644	PLAINS	0- 300	16-25	3-400
MS	TATE	405	PLAINS	0- 300	16-25	3-400
MS	TIPPAH	464	PLAINS	0- 300	16-25	3-400
MS	TISHOMINGO	443	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MS	TUNICA	458	PLAINS	0- 300	16-25	3-400
MS	UNION	422	PLAINS	0- 300	16-25	3-400
MS	WALTHALL	403	PLAINS	0- 300	16-25	4-500
MS	WARREN	581	PLAINS	0- 300	16-25	4-500
MS	WASHINGTON	734	PLAINS	0- 300	16-25	3-400
MS	WAYNE	827	PLAINS	0- 300	16-25	4-500
MS	WEBSTER	416	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MS	WILKINSON	674	PLAINS	0- 300	16-25	4-500
MS	WINSTON	606	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MS	YALOBUSHA	488	PLAINS	0- 300	16-25	3-400
MS	YAZOO	938	PLAINS	0- 300	16-25	3-400
	MISSOURI	68.995				
MO	ADAIR	572	OPEN-HILLS-MTNS	0- 300	6-15	3-400
MO	ANDREW	436	PLAINS	0- 300	16-25	3-400
MO	ATCHISON	549	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MO	AUDRAIN	692	PLAINS	0- 300	6-15	3-400
MO	BARRY	783	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	BARTON	594	PLAINS	0- 300	16-25	3-400
MO	BATES	841	PLAINS	0- 300	16-25	3-400
MO	BENTON	735	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	BOLLINGER	621	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	BOONE	685	PLAINS	0- 300	6-15	3-400
MO	BUCHANAN	404	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MO	BUTLER	715	PLAINS	0- 300	16-25	3-400
MO	CALDWELL	430	PLAINS	0- 300	6-15	3-400
MO	CALLAWAY	835	OPEN-HILLS-MTNS	3- 500	6-15	3-400
MO	CAMDEN	640	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	CAPE GIRARDEAU	574	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	CARROLL	697	PLAINS	0- 300	6-15	3-400
MO	CARTER	506	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	CASS	698	PLAINS	0- 300	16-25	3-400
MO	CEDAR	496	PLAINS	0- 300	16-25	3-400
MO	CHARITON	754	PLAINS	0- 300	6-15	3-400
MO	CHRISTIAN	567	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	CLARK	506	OPEN-HILLS-MTNS	0- 300	6-15	3-400
MO	CLAY	412	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MO	CLINTON	420	PLAINS	0- 300	16-25	3-400
MO	COLE	384	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	COOPER	566	PLAINS	0- 300	16-25	3-400
MO	CRAWFORD	760	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	DADE	504	PLAINS	0- 300	16-25	3-400
MO	DALLAS	537	TABLELANDS	3- 500	16-25	3-400
MO	DAVIESS	563	PLAINS	0- 300	6-15	3-400

STATE	AND COUNTY	LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MO	DE KALB	423	PLAINS	0- 300	6-15	3-400
MO	DENT	756	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	DOUGLAS	809	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	DUNKLIN	543	PLAINS	0- 300	16-25	3-400
MO	FRANKLIN	934	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	GASCONADE	519	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	GENTRY	488	PLAINS	0- 300	6-15	3-400
MO	GREENE	677	TABLELANDS	3- 500	16-25	3-400
MO	GRUNDY	435	PLAINS	0- 300	6-15	3-400
MO	HARRISON	720	OPEN-HILLS-MTNS	0- 300	6-15	3-400
MO	HENRY	734	PLAINS	0- 300	16-25	3-400
MO	HICKORY	377	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	HOLT	458	PLAINS	0- 300	16-25	3-400
MO	HOWARD	472	OPEN-HILLS-MTNS	3- 500	6-15	3-400
MO	HOWELL	920	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MO	IRON	554	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	JACKSON	603	PLAINS	0- 300	16-25	3-400
MO	JASPER	642	PLAINS	0- 300	16-25	3-400
MO	JEFFERSON	668	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	JOHNSON	826	PLAINS	0- 300	16-25	3-400
MO	KNOX	512	PLAINS	0- 300	6-15	3-400
MO	LACLEDE	770	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	LAFAYETTE	632	PLAINS	0- 300	16-25	3-400
MO	LAWRENCE	619	TABLELANDS	3- 500	16-25	3-400
MO	LEWIS	508	PLAINS	0- 300	6-15	3-400
MO	LINCOLN	625	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	LINN	622	PLAINS	0- 300	6-15	3-400
MO	LIVINGSTON	530	PLAINS	0- 300	6-15	3-400
MO	MC DONALD	540	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	MACON	798	PLAINS	0- 300	6-15	3-400
MO	MADISON	496	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	MARIES	525	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	MARION	438	PLAINS	0- 300	6-15	3-400
MO	MERCER	455	OPEN-HILLS-MTNS	0- 300	6-15	3-400
MO	MILLER	600	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	MISSISSIPPI	415	PLAINS	0- 300	16-25	3-400
MO	MONITEAU	419	PLAINS	0- 300	16-25	3-400
MO	MONROE	669	PLAINS	0- 300	6-15	3-400
MO	MONTGOMERY	534	PLAINS	0- 300	16-25	3-400
MO	MORGAN	592	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	NEW MADRID	679	PLAINS	0- 300	16-25	3-400
MO	NEWTON	629	TABLELANDS	3- 500	16-25	3-400
MO	NODAWAY	877	PLAINS	0- 300	6-15	3-400
MO	OREGON	784	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	OSAGE	608	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	OZARK	732	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	PEMISCOT	493	PLAINS	0- 300	16-25	3-400
MO	PERRY	471	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	PETTIS	679	PLAINS	0- 300	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MO	PHELPS	677	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	PIKE	681	OPEN-HILLS-MTNS	3- 500	6-15	3-400
MO	PLATTE	427	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MO	POLK	637	TABLELANDS	3- 500	16-25	3-400
MO	PULASKI	551	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	PUTNAM	518	OPEN-HILLS-MTNS	0- 300	6-15	3-400
MO	RALLS	478	PLAINS	0- 300	6-15	3-400
MO	RANDOLPH	473	PLAINS	0- 300	6-15	3-400
MO	RAY	573	OPEN-HILLS-MTNS	0- 300	16-25	3-400
MO	REYNOLDS	817	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MO	RIPLEY	639	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	ST CHARLES	551	PLAINS	0- 300	16-25	3-400
MO	ST CLAIR	697	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	ST FRANCOIS	457	OPEN-HILLS-MTNS	3- 500	16-25	3-400
MO	ST LOUIS	499	OPEN-HILLS-MTNS	3- 500		3-400
MO	STE GENEVIEVE	499	OPEN-HILLS-MTNS	5-1000		3-400
MO	SALINE	757	PLAINS	0- 300		3-400
MO	SCHUYLER	306	OPEN-HILLS-MTNS	0- 300		3-400
MO	SCOTLAND	441	OPEN-HILLS-MTNS	0- 300		3-400
MO	SCOTT	421	PLAINS	0- 300		3-400
MO	SHANNON	999	OPEN-HILLS-MTNS	5-1000		3-400
MO	SHELBY	501	PLAINS	0- 300		3-400
MO	STODDARD	823	PLAINS	0- 300		3-400
MO	STONE	449	OPEN-HILLS-MTNS	5-1000		3-400
MO	SULLIVAN	654	OPEN-HILLS-MTNS	0- 300		3-400
MO	TANEY	615	OPEN-HILLS-MTNS	5-1000		3-400
MO	TEXAS	1,183	OPEN-HILLS-MTNS	3- 500		3-400
MO	VERNON	838	PLAINS	0- 300		3-400
MO	WARREN	426	OPEN-HILLS-MTNS	3- 500		3-400
MO	WASHINGTON	760	OPEN-HILLS-MTNS	5-1000		3-400
MO	WAYNE	766	OPEN-HILLS-MTNS	3- 500		3-400
MO	WEBSTER	590	OPEN-HILLS-MTNS	5-1000		3-400
MO	WORTH	267	OPEN-HILLS-MTNS	0- 300		3-400
MO	WRIGHT	684	OPEN-HILLS-MTNS	5-1000		3-400
	ST LOUIS CITY	61				
	MONTANA	145,587				
MT	BEAVERHEAD	5,551	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	BIG HORN	5,023	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
MT	BLAINE	4,275	TABLELANDS	1-3000	6-15	3-400
MT	BROADWATER	1,193	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	CARBON	2,066	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	CARTER	3,313	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MT	CASCADE	2,661	OPEN-HILLS-MTNS	3000+	6-15	3-400
MT	CHOUTEAU	3,927	TABLELANDS	3- 500	6-15	3-400
MT	CUSTER	3,756	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MT	DANIELS	1,443	TABLELANDS	3- 500	6-15	3-400
MT	DAWSON	2,370	TABLELANDS	3- 500	6-15	3-400
MT	DEER LODGE	745	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	FALLON	1,633	OPEN-HILLS-MTNS	5-1000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
MT	FERGUS	4,242	TABLELANDS	3- 500	6-15	3-400
MT	FLATHEAD	5,137	HILLS-MTNS	3000+	16-25	3-400
MT	GALLATIN	2,517	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	GARFIELD	4,455	TABLELANDS	3- 500	6-15	3-400
MT	GLACIER	2,964	OPEN-HILLS-MTNS	3000+	6-15	3-400
MT	GOLDEN VALLEY	1,176	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
MT	GRANITE	1,733	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	HILL	2,927	TABLELANDS	1-3000	6-15	3-400
MT	JEFFERSON	1,652	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	JUDITH BASIN	1,880	OPEN-HILLS-MTNS	3000+	6-15	3-400
MT	LAKE	1,494	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	LEWIS AND CLARK	3,476	HILLS-MTNS	3000+	16-25	3-400
MT	LIBERTY	1,439	TABLELANDS	3- 500	6-15	3-400
MT	LINCOLN	3,714	HILLS-MTNS	3000+	16-25	3-400
MT	MC CONE	2,607	OPEN-HILLS-MTNS	5-1000	6-15	3-400
MT	MADISON	3,528	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	MEAGHER	2,354	OPEN-HILLS-MTNS	3000+	6-15	3-400
MT	MINERAL	1,222	HILLS-MTNS	3000+	16-25	3-400
MT	MISSOULA	2,612	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	MUSSELSHELL	1,887	TABLELANDS	3- 500	6-15	3-400
MT	PARK	2,626	HILLS-MTNS	3000+	16-25	3-400
MT	PETROLEUM	1,655	OPEN-HILLS-MTNS	3000+	6-15	3-400
MT	PHILLIPS	5,213	TABLELANDS	3- 500	6-15	3-400
MT	PONDERA	1,645	OPEN-HILLS-MTNS	3000+	6-15	3-400
MT	POWDER RIVER	3,288	OPEN-HILLS-MTNS	5-1000	16-25	3-400
MT	POWELL	2,336	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	PRAIRIE	1,730	TABLELANDS	3- 500	6-15	3-400
MT	RAVALLI	2,382	OPEN-HILLS-MTNS	3000+	6-15	3-400
MT	RICHLAND	2,079	TABLELANDS	3- 500	6-15	3-400
MT	ROOSEVELT	2,385	TABLELANDS	3- 500	6-15	3-400
MT	ROSEBUD	5,037	OPEN-HILLS-MTNS	5-1000	6-15	3-400
MT	SANDERS	2,778	HILLS-MTNS	3000+	16-25	3-400
MT	SHERIDAN	1,694	TABLELANDS	3- 500	6-15	3-400
MT	SILVER BOW	715	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	STILLWATER	1,794	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	SWEET GRASS	1,840	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	TETON	2,294	OPEN-HILLS-MTNS	3000+	16-25	3-400
MT	TOOLE	1,950	TABLELANDS	3- 500	16-25	3-400
MT	TREASURE	985	TABLELANDS	3- 500	6-15	3-400
MT	VALLEY	4,974	TABLELANDS	3- 500	6-15	3-400
MT	WHEATLAND	1,420	OPEN-HILLS-MTNS	3000+	6-15	3-400
MT	WIBAUX	890	OPEN-HILLS-MTNS	5-1000	6-15	3-400
MT	YELLOWSTONE	2,642	PLAINS-HILLS-MTNS	5-1000	6-15	3-400
MT	YELLOWSTONE NATIONAL	269	HILLS-MTNS	3000+		3-400
	NEBRASKA	76,483				
NB	ADAMS	562	PLAINS	0- 300	6-15	3-400
NB	ANTELOPE	853	PLAINS	0- 300	6-15	3-400
NB	ARTHUR	704	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	BANNER	738	PLAINS-HILLS-MTNS	3- 500	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
NB	BLAINE	710	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	BOONE	683	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	BOX BUTTE	1,065	PLAINS	0- 300	6-15	3-400
NB	BOYD	538	PLAINS	0- 300	6-15	3-400
NB	BROWN	1,216	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	BUFFALO	949	PLAINS	0- 300	6-15	3-400
NB	BURT	483	PLAINS	0- 300	16-25	3-400
NB	BUTLER	582	PLAINS	0- 300	6-15	3-400
NB	CASS	555	PLAINS	0- 300	16-25	3-400
NB	CEDAR	742	PLAINS	0- 300	6-15	3-400
NB	CHASE	890	PLAINS	0- 300	6-15	3-400
NB	CHERRY	5,966	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	CHEYENNE	1,186	PLAINS	0- 300	6-15	3-400
NB	CLAY	570	PLAINS	0- 300	6-15	3-400
NB	COLFAX	406	PLAINS	0- 300	6-15	3-400
NB	CUMING	571	PLAINS	0- 300	6-15	3-400
NB	CUSTER	2,558	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	DAKOTA	255	PLAINS	0- 300	16-25	3-400
NB	DAWES	1,386	PLAINS	0- 300	6-15	3-400
NB	DAWSON	975	PLAINS	0- 300	6-15	3-400
NB	DEUEL	436	PLAINS	0- 300	6-15	3-400
NB	DIXON	475	PLAINS	0- 300	6-15	3-400
NB	DODGE	528	PLAINS	0- 300	6-15	3-400
NB	DOUGLAS	335	PLAINS	0- 300	16-25	3-400
NB	DUNDY	921	PLAINS	0- 300	6-15	3-400
NB	FILLMORE	577	PLAINS	0- 300	6-15	3-400
NB	FRANKLIN	578	PLAINS	0- 300	6-15	3-400
NB	FRONTIER	962	PLAINS	0- 300	6-15	3-400
NB	FURNAS	722	PLAINS	0- 300	6-15	3-400
NB	GAGE	858	PLAINS	0- 300	6-15	3-400
NB	GARDEN	1,678	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	GARFIELD	569	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	GOSPER	464	PLAINS	0- 300	6-15	3-400
NB	GRANT	764	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	GREELEY	570	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	HALL	537	PLAINS	0- 300	6-15	3-400
NB	HAMILTON	537	PLAINS	0- 300	6-15	3-400
NB	HARLAN	556	PLAINS	0- 300	6-15	3-400
NB	HAYES	711	PLAINS	0- 300	6-15	3-400
NB	HITCHCOCK	712	PLAINS	0- 300	6-15	3-400
NB	HOLT	2,405	PLAINS	0- 300	6-15	3-400
NB	HOOKER	722	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	HOWARD	564	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	JEFFERSON	577	PLAINS	0- 300	6-15	3-400
NB	JOHNSON	377	PLAINS	0- 300	6-15	3-400
NB	KEARNEY	512	PLAINS	0- 300	6-15	3-400
NB	KEITH	1,032	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	KEYA PAHA	768	PLAINS	0- 300	6-15	3-400
NB	KIMBALL	953	PLAINS	0- 300	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
NB	KNOX	1,107	PLAINS	0- 300	6-15	3-400
NB	LANCASTER	845	PLAINS	0- 300	6-15	3-400
NB	LINCOLN	2,522	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	LOGAN	570	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	LOUP	574	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	MC PHERSON	856	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	MADISON	572	PLAINS	0- 300	6-15	3-400
NB	MERRICK	480	PLAINS	0- 300	6-15	3-400
NB	MORRILL	1,402	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
NB	NANCE	439	PLAINS	0- 300	6-15	3-400
NB	NEMAHA	400	PLAINS	0- 300	16-25	3-400
NB	NUCKOLLS	579	PLAINS	0- 300	6-15	3-400
NB	OTOE	619	PLAINS	0- 300	16-25	3-400
NB	PAWNEE	433	PLAINS	0- 300	6-15	3-400
NB	PERKINS	885	PLAINS	0- 300	6-15	3-400
NB	PHELPS	544	PLAINS	0- 300	6-15	3-400
NB	PIERCE	573	PLAINS	0- 300	6-15	3-400
NB	PLATTE	667	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	POLK	432	PLAINS	0- 300	6-15	3-400
NB	RED WILLOW	686	PLAINS	0- 300	6-15	3-400
NB	RICHARDSON	550	PLAINS	0- 300	16-25	3-400
NB	ROCK	1,009	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	SALINE	575	PLAINS	0- 300	6-15	3-400
NB	SARPY	239	PLAINS	0- 300	16-25	3-400
NB	SAUNDERS	759	PLAINS	0- 300	6-15	3-400
NB	SCOTTS BLUFF	726	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
NB	SEWARD	571	PLAINS	0- 300	6-15	3-400
NB	SHERIDAN	2,462	PLAINS	0- 300	6-15	3-400
NB	SHERMAN	567	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	SIOUX	2,063	PLAINS	0- 300	6-15	3-400
NB	STANTON	431	PLAINS	0- 300	6-15	3-400
NB	THAYER	577	PLAINS	0- 300	6-15	3-400
NB	THOMAS	716	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	THURSTON	388	PLAINS	0- 300	16-25	3-400
NB	VALLEY	569	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	WASHINGTON	386	PLAINS	0- 300	16-25	3-400
NB	WAYNE	443	PLAINS	0- 300	6-15	3-400
NB	WEBSTER	575	PLAINS	0- 300	6-15	3-400
NB	WHEELER	576	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NB	YORK	577	PLAINS	0- 300	6-15	3-400
	NEVADA	109,889				
NV	CHURCHILL	4,883	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
NV	CLARK	7,874	PLAINS-HILLS-MTNS	1-3000	26-35	500-
NV	DOUGLAS	703	PLAINS-HILLS-MTNS	3000+	26-35	4-500
NV	ELKO	17,162	PLAINS-HILLS-MTNS	3000+	16-25	3-400
NV	ESMERALDA	3,573	PLAINS-HILLS-MTNS	1-3000	26-35	500-
NV	EUREKA	4,182	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
NV	HUMBOLDT	9,702	PLAINS-HILLS-MTNS	3000+	16-25	3-400
NV	LANDER	5,621	PLAINS-HILLS-MTNS	3000+	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
NV	LINCOLN	10,649	PLAINS-HILLS-MTNS	1-3000	26-35	4-500
NV	LYON	2,030	PLAINS-HILLS-MTNS	3000+	26-35	4-500
NV	MINERAL	3,765	PLAINS-HILLS-MTNS	1-3000	26-35	500-
NV	NYE	18,064	PLAINS-HILLS-MTNS	1-3000	26-35	500-
	ORMSBY	0				
NV	PERSHING	6,001	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
NV	STOREY	262	PLAINS-HILLS-MTNS	3000+	26-35	4-500
NV	WASHOE	6,366	PLAINS-HILLS-MTNS	3000+	26-35	4-500
NV	WHITE PINE	8,904	PLAINS-HILLS-MTNS	3000+	16-25	4-500
	CARSON CITY CITY	150				
	NEW HAMPSHIRE	9,027				
NH	BELKNAP	400	OPEN-HILLS-MTNS	1-3000	6-15	3-400
NH	CARROLL	938	HILLS-MTNS	1-3000	6-15	3-400
NH	CHESHIRE	715	OPEN-HILLS-MTNS	1-3000	16-25	3-400
NH	COOS	1,820	OPEN-HILLS-MTNS	1-3000	6-15	3-400
NH	GRAFTON	1,732	OPEN-HILLS-MTNS	1-3000	6-15	-300
NH	HILLSBOROUGH	887	OPEN-HILLS-MTNS	1-3000	16-25	3-400
NH	MERRIMACK	930	OPEN-HILLS-MTNS	1-3000	6-15	3-400
NH	ROCKINGHAM	691	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
NH	STRAFFORD	376	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
NH	SULLIVAN	539	OPEN-HILLS-MTNS	1-3000	6-15	-300
	NEW JERSEY	7,521				
NJ	ATLANTIC	569	HILLS-MTNS	0- 300	6-15	3-400
NJ	BERGEN	234	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
NJ	BURLINGTON	819	PLAINS	0- 300	6-15	3-400
NJ	CAMDEN	221	PLAINS	0- 300	6-15	3-400
NJ	CAPE MAY	267	HILLS-MTNS	0- 300	6-15	3-400
NJ	CUMBERLAND	500	HILLS-MTNS	0- 300	6-15	3-400
NJ	ESSEX	130	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
NJ	GLOUCESTER	329	PLAINS	0- 300	6-15	3-400
NJ	HUDSON	47	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
NJ	HUNTERDON	423	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
NJ	MERCER	228	PLAINS	0- 300	6-15	3-400
NJ	MIDDLESEX	312	PLAINS	0- 300	16-25	3-400
NJ	MONMOUTH	476	PLAINS	0- 300	16-25	3-400
NJ	MORRIS	468	OPEN-HILLS-MTNS	5-1000	6-15	3-400
NJ	OCEAN	642	HILLS-MTNS	0- 300	6-15	3-400
NJ	PASSAIC	192	OPEN-HILLS-MTNS	5-1000	16-25	3-400
NJ	SALEM	365	HILLS-MTNS	0- 300	6-15	3-400
NJ	SOMERSET	307	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
NJ	SUSSEX	527	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
NJ	UNION	103	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
NJ	WARREN	362	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
	NEW MEXICO	121,412				
NM	BERNALILLO	1,169	PLAINS-HILLS-MTNS	3000+	26-35	500-
NM	CATRON	6,897	OPEN-HILLS-MTNS	3000+	26-35	500-
NM	CHAVES	6,084	PLAINS	0- 300	26-35	500-
NM	COLFAX	3,764	TABLELANDS	5-1000	26-35	4-500
NM	CURRY	1,403	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
NM	DE BACA	2,356	TABLELANDS	3- 500	26-35	500-
NM	DONA ANA	3,804	PLAINS-HILLS-MTNS	1-3000	26-35	500-
NM	EDDY	4,167	PLAINS	0- 300	26-35	500-
NM	GRANT	3,970	HILLS-MTNS	3000+	26-35	500-
NM	GUADALUPE	2,998	TABLELANDS	3- 500	26-35	500-
NM	HARDING	2,134	TABLELANDS	5-1000	26-35	4-500
NM	HIDALGO	3,447	PLAINS-HILLS-MTNS	5-1000	26-35	500-
NM	LEA	4,393	PLAINS	0- 300	16-25	4-500
NM	LINCOLN	4,858	PLAINS-HILLS-MTNS	1-3000	26-35	500-
NM	LOS ALAMOS	108	OPEN-HILLS-MTNS	3000+	26-35	500-
NM	LUNA	2,957	PLAINS-HILLS-MTNS	5-1000	26-35	500-
NM	MC KINLEY	5,454	TABLELANDS	5-1000	26-35	500-
NM	MORA	1,940	TABLELANDS	5-1000	26-35	4-500
NM	OTERO	6,638	PLAINS-HILLS-MTNS	1-3000	26-35	500-
NM	QUAY	2,875	TABLELANDS	3- 500	26-35	4-500
NM	RIO ARRIBA	5,843	OPEN-HILLS-MTNS	3000+	26-35	4-500
NM	ROOSEVELT	2,454	PLAINS	0- 300	16-25	4-500
NM	SANDOVAL	3,714	TABLELANDS	5-1000	26-35	500-
NM	SAN JUAN	5,500	TABLELANDS	5-1000	26-35	500-
NM	SAN MIGUEL	4,741	TABLELANDS	5-1000	26-35	500-
NM	SANTA FE	1,902	TABLELANDS	5-1000	26-35	500-
NM	SIERRA	4,166	PLAINS-HILLS-MTNS	3000+	26-35	500-
NM	SOCORRO	6,603	PLAINS-HILLS-MTNS	3000+	26-35	500-
NM	TAOS	2,256	OPEN-HILLS-MTNS	3000+	26-35	4-500
NM	TORRANCE	3,346	TABLELANDS	3- 500	26-35	500-
NM	UNION	3,816	TABLELANDS	5-1000	26-35	4-500
NM	VALENCIA	5,656	TABLELANDS	3000+	26-35	500-
	NEW YORK	-00,000,007				
NY	ALBANY	526	HILLS-MTNS	1-3000	6-15	-300
NY	ALLEGANY	1,047	OPEN-HILLS-MTNS	5-1000	16-25	3-400
NY	BRONX	41	PLAINS	0- 300	6-15	3-400
NY	BROOME	714	OPEN-HILLS-MTNS	5-1000	6-15	3-400
NY	CATTARAUGUS	1,318	OPEN-HILLS-MTNS	5-1000	16-25	3-400
NY	CAYUGA	698	PLAINS	0- 300	6-15	3-400
NY	CHAUTAUQUA	1,081	TABLELANDS	3- 500	6-15	3-400
NY	CHEMUNG	415	OPEN-HILLS-MTNS	5-1000	16-25	3-400
NY	CHENANGO	903	OPEN-HILLS-MTNS	5-1000	6-15	3-400
NY	CLINTON	1,059	TABLELANDS	5-1000	6-15	-300
NY	COLUMBIA	645	TABLELANDS	3- 500	6-15	-300
NY	CORTLAND	502	OPEN-HILLS-MTNS	5-1000	6-15	3-400
NY	DELAWARE	1,443	HILLS-MTNS	1-3000	6-15	3-400
NY	DUTCHESS	813	TABLELANDS	3- 500	6-15	3-400
NY	ERIE	1,058	PLAINS	0- 300	6-15	3-400
NY	ESSEX	1,823	OPEN-HILLS-MTNS	1-3000	6-15	-300
NY	FRANKLIN	1,674	OPEN-HILLS-MTNS	1-3000	6-15	-300
NY	FULTON	498	TABLELANDS	3- 500	6-15	-300
NY	GENESEE	501	PLAINS	0- 300	6-15	3-400
NY	GREENE	653	HILLS-MTNS	1-3000	6-15	-300
NY	HAMILTON	1,735	OPEN-HILLS-MTNS	1-3000	6-15	-300

STATE	AND COUNTY	LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
NY	HERKIMER	1,435	TABLELANDS	3- 500	6-15	-300
NY	JEFFERSON	1,294	PLAINS	0- 300	6-15	-300
NY	KINGS	70	PLAINS	0- 300	6-15	3-400
NY	LEWIS	1,291	TABLELANDS	3- 500	6-15	-300
NY	LIVINGSTON	638	TABLELANDS	3- 500	6-15	3-400
NY	MADISON	661	TABLELANDS	3- 500	6-15	-300
NY	MONROE	675	PLAINS	0- 300	6-15	3-400
NY	MONTGOMERY	408	TABLELANDS	3- 500	6-15	-300
NY	NASSAU	289	PLAINS	0- 300	6-15	3-400
NY	NEW YORK	23	PLAINS	0- 300	6-15	3-400
NY	NIAGARA	532	PLAINS	0- 300	6-15	3-400
NY	ONEIDA	1,223	PLAINS	0- 300	6-15	-300
NY	ONONDAGA	794	TABLELANDS	3- 500	6-15	3-400
NY	ONTARIO	651	PLAINS	0- 300	6-15	3-400
NY	ORANGE	833	TABLELANDS	3- 500	6-15	3-400
NY	ORLEANS	396	PLAINS	0- 300	6-15	3-400
NY	OSWEGO	964	PLAINS	0- 300	6-15	-300
NY	OTSEGO	1,013	OPEN-HILLS-MTNS	5-1000	6-15	-300
NY	PUTNAM	231	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
NY	QUEENS	108	PLAINS	0- 300	6-15	3-400
NY	RENSSELAER	665	TABLELANDS	3- 500	6-15	-300
NY	RICHMOND	58	PLAINS	0- 300	6-15	3-400
NY	ROCKLAND	176	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
NY	ST LAWRENCE	2,768	PLAINS	0- 300	6-15	-300
NY	SARATOGA	818	TABLELANDS	3- 500	6-15	-300
NY	SCHENECTADY	207	TABLELANDS	3- 500	6-15	-300
NY	SCHOHARIE	624	HILLS-MTNS	1-3000	6-15	-300
NY	SCHUYLER	330	OPEN-HILLS-MTNS	5-1000	6-15	3-400
NY	SENECA	330	OPEN-HILLS-MTNS	3- 500	6-15	3-400
NY	STEUBEN	1,410	OPEN-HILLS-MTNS	5-1000	16-25	3-400
NY	SUFFOLK	929	PLAINS	0- 300	6-15	3-400
NY	SULLIVAN	983	OPEN-HILLS-MTNS	5-1000	6-15	3-400
NY	TIOGA	524	OPEN-HILLS-MTNS	5-1000	16-25	3-400
NY	TOMPKINS	482	OPEN-HILLS-MTNS	5-1000	6-15	3-400
NY	ULSTER	1,141	HILLS-MTNS	1-3000	6-15	3-400
NY	WARREN	887	OPEN-HILLS-MTNS	1-3000	6-15	-300
NY	WASHINGTON	836	PLAINS-HILLS-MTNS	5-1000	6-15	-300
NY	WAYNE	606	PLAINS	0- 300	6-15	3-400
NY	WESTCHESTER	443	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
NY	WYOMING	598	TABLELANDS	3- 500	6-15	3-400
NY	YATES	343	TABLELANDS	3- 500	16-25	3-400
	NORTH CAROLINA	48,798				
NC	ALAMANCE	428	PLAINS	0- 300	16-25	3-400
NC	ALEXANDER	259	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
NC	ALLEGHANY	225	HILLS-MTNS	1-3000	16-25	3-400
NC	ANSON	533	PLAINS	0- 300	16-25	3-400
NC	ASHE	426	HILLS-MTNS	1-3000	16-25	3-400
NC	AVERY	245	HILLS-MTNS	1-3000	16-25	3-400
NC	BEAUFORT	826	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
NC	BERTIE	698	PLAINS	0- 300	16-25	4-500
NC	BLADEN	883	PLAINS	0- 300	16-25	4-500
NC	BRUNSWICK	856	PLAINS	0- 300	16-25	4-500
NC	BUNCOMBE	657	OPEN-HILLS-MTNS	1-3000	16-25	3-400
NC	BURKE	511	OPEN-HILLS-MTNS	1-3000	16-25	3-400
NC	CABARRUS	363	PLAINS	0- 300	16-25	3-400
NC	CALDWELL	469	OPEN-HILLS-MTNS	1-3000	16-25	3-400
NC	CAMDEN	239	PLAINS	0- 300	16-25	4-500
NC	CARTERET	536	PLAINS	0- 300	16-25	4-500
NC	CASWELL	428	PLAINS	0- 300	16-25	3-400
NC	CATAWBA	394	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
NC	CHATHAM	709	PLAINS	0- 300	16-25	3-400
NC	CHEROKEE	452	HILLS-MTNS	1-3000	16-25	3-400
NC	CHOWAN	173	PLAINS	0- 300	16-25	4-500
NC	CLAY	209	HILLS-MTNS	1-3000	16-25	3-400
NC	CLEVELAND	468	PLAINS	0- 300	16-25	3-400
NC	COLUMBUS	945	PLAINS	0- 300	16-25	4-500
NC	CRAVEN	699	PLAINS	0- 300	16-25	4-500
NC	CUMBERLAND	654	PLAINS	0- 300	26-35	4-500
NC	CURRITUCK	246	PLAINS	0- 300	16-25	4-500
NC	DARE	391	PLAINS	0- 300	16-25	4-500
NC	DAVIDSON	549	PLAINS	0- 300	16-25	3-400
NC	DAVIE	265	PLAINS	0- 300	16-25	3-400
NC	DUPLIN	815	PLAINS	0- 300	16-25	4-500
NC	DURHAM	295	PLAINS	0- 300	16-25	3-400
NC	EDGECOMBE	510	PLAINS	0- 300	16-25	4-500
NC	FORSYTH	419	PLAINS	0- 300	16-25	3-400
NC	FRANKLIN	491	PLAINS	0- 300	16-25	3-400
NC	GASTON	356	PLAINS	0- 300	16-25	3-400
NC	GATES	337	PLAINS	0- 300	16-25	3-400
NC	GRAHAM	292	HILLS-MTNS	1-3000	16-25	3-400
NC	GRANVILLE	537	PLAINS	0- 300	16-25	3-400
NC	GREENE	267	PLAINS	0- 300	16-25	4-500
NC	GUILFORD	655	PLAINS	0- 300	16-25	3-400
NC	HALIFAX	734	PLAINS	0- 300	16-25	3-400
NC	HARNETT	603	PLAINS	0- 300	16-25	3-400
NC	HAYWOOD	551	HILLS-MTNS	1-3000	16-25	3-400
NC	HENDERSON	378	OPEN-HILLS-MTNS	1-3000	16-25	3-400
NC	HERTFORD	353	PLAINS	0- 300	16-25	3-400
NC	HOKE	389	PLAINS	0- 300	26-35	4-500
NC	HYDE	613	PLAINS	0- 300	16-25	4-500
NC	IREDELL	572	PLAINS	0- 300	16-25	3-400
NC	JACKSON	491	HILLS-MTNS	1-3000	16-25	3-400
NC	JOHNSTON	797	PLAINS	0- 300	16-25	4-500
NC	JONES	467	PLAINS	0- 300	16-25	4-500
NC	LEE	256	PLAINS	0- 300	16-25	3-400
NC	LENOIR	400	PLAINS	0- 300	16-25	4-500
NC	LINCOLN	297	PLAINS	0- 300	16-25	3-400
NC	MC DOWELL	436	OPEN-HILLS-MTNS	1-3000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
NC	MACON	513	HILLS-MTNS	1-3000	16-25	3-400
NC	MADISON	450	HILLS-MTNS	1-3000	16-25	3-400
NC	MARTIN	455	PLAINS	0- 300	16-25	4-500
NC	MECKLENBURG	530	PLAINS	0- 300	16-25	3-400
NC	MITCHELL	215	HILLS-MTNS	1-3000	16-25	3-400
NC	MONTGOMERY	488	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
NC	MOORE	704	PLAINS	0- 300	16-25	3-400
NC	NASH	544	PLAINS	0- 300	16-25	3-400
NC	NEW HANOVER	185	PLAINS	0- 300	16-25	4-500
NC	NORTHAMPTON	536	PLAINS	0- 300	16-25	3-400
NC	ONSLOW	765	PLAINS	0- 300	16-25	4-500
NC	ORANGE	400	PLAINS	0- 300	16-25	3-400
NC	PAMLICO	338	PLAINS	0- 300	16-25	4-500
NC	PASQUOTANK	228	PLAINS	0- 300	16-25	4-500
NC	PENDER	871	PLAINS	0- 300	16-25	4-500
NC	PERQUIMANS	246	PLAINS	0- 300	16-25	4-500
NC	PERSON	401	PLAINS	0- 300	16-25	3-400
NC	PITT	655	PLAINS	0- 300	16-25	4-500
NC	POLK	239	OPEN-HILLS-MTNS	1-3000	16-25	3-400
NC	RANDOLPH	798	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
NC	RICHMOND	475	PLAINS	0- 300	16-25	3-400
NC	ROBESON	949	PLAINS	0- 300	26-35	4-500
NC	ROCKINGHAM	569	PLAINS	0- 300	16-25	3-400
NC	ROWAN	523	PLAINS	0- 300	16-25	3-400
NC	RUTHERFORD	563	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
NC	SAMPSON	945	PLAINS	0- 300	16-25	4-500
NC	SCOTLAND	319	PLAINS	0- 300	26-35	4-500
NC	STANLY	398	PLAINS	0- 300	16-25	3-400
NC	STOKES	457	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
NC	SURRY	536	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
NC	SWAIN	524	HILLS-MTNS	1-3000	16-25	3-400
NC	TRANSYLVANIA	382	HILLS-MTNS	1-3000	16-25	3-400
NC	TYRRELL	390	PLAINS	0- 300	16-25	4-500
NC	UNION	639	PLAINS	0- 300	16-25	3-400
NC	VANCE	249	PLAINS	0- 300	16-25	3-400
NC	WAKE	858	PLAINS	0- 300	16-25	3-400
NC	WARREN	424	PLAINS	0- 300	16-25	3-400
NC	WASHINGTON	343	PLAINS	0- 300	16-25	4-500
NC	WATAUGA	317	HILLS-MTNS	1-3000	16-25	3-400
NC	WAYNE	557	PLAINS	0- 300	16-25	4-500
NC	WILKES	757	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
NC	WILSON	375	PLAINS	0- 300	16-25	4-500
NC	YADKIN	336	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
NC	YANCEY	312	HILLS-MTNS	1-3000	16-25	3-400
	NORTH DAKOTA	69,273				
ND	ADAMS	989	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ND	BARNES	1,479	PLAINS	0- 300	6-15	3-400
ND	BENSON	1,403	PLAINS	0- 300	6-15	3-400
ND	BILLINGS	1,139	OPEN-HILLS-MTNS	5-1000	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
ND	BOTTINEAU	1,677	PLAINS	0- 300	6-15	3-400
ND	BOWMAN	1,170	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ND	BURKE	1,119	PLAINS	0- 300	6-15	3-400
ND	BURLEIGH	1,625	PLAINS	0- 300	6-15	3-400
ND	CASS	1,749	PLAINS	0- 300	6-15	3-400
ND	CAVALIER	1,512	PLAINS	0- 300	6-15	3-400
ND	DICKEY	1,143	PLAINS	0- 300	6-15	3-400
ND	DIVIDE	1,300	PLAINS	0- 300	6-15	3-400
ND	DUNN	1,992	TABLELANDS	3- 500	6-15	3-400
ND	EDDY	635	PLAINS	0- 300	6-15	3-400
ND	EMMONS	1,503	PLAINS	0- 300	6-15	3-400
ND	FOSTER	645	PLAINS	0- 300	6-15	3-400
ND	GOLDEN VALLEY	1,014	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ND	GRAND FORKS	1,438	PLAINS	0- 300	6-15	3-400
ND	GRANT	1,666	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ND	GRIGGS	710	PLAINS	0- 300	6-15	3-400
ND	HETTINGER	1,134	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ND	KIDDER	1,358	PLAINS	0- 300	6-15	3-400
ND	LA MOURE	1,136	PLAINS	0- 300	6-15	3-400
ND	LOGAN	1,001	PLAINS	0- 300	6-15	3-400
ND	MC HENRY	1,879	PLAINS	0- 300	6-15	3-400
ND	MC INTOSH	992	PLAINS	0- 300	6-15	3-400
ND	MC KENZIE	2,735	OPEN-HILLS-MTNS	5-1000	6-15	3-400
ND	MC LEAN	2,065	PLAINS	0- 300	6-15	3-400
ND	MERCER	1,042	TABLELANDS	3- 500	6-15	3-400
ND	MORTON	1,920	TABLELANDS	3- 500	6-15	3-400
ND	MOUNTRAIL	1,819	PLAINS	0- 300	6-15	3-400
ND	NELSON	995	PLAINS	0- 300	6-15	3-400
ND	OLIVER	721	TABLELANDS	3- 500	6-15	3-400
ND	PEMBINA	1,124	PLAINS	0- 300	6-15	3-400
ND	PIERCE	1,038	PLAINS	0- 300	6-15	3-400
ND	RAMSEY	1,248	PLAINS	0- 300	6-15	3-400
ND	RANSOM	861	PLAINS	0- 300	6-15	3-400
ND	RENVILLE	886	PLAINS	0- 300	6-15	3-400
ND	RICHLAND	1,449	PLAINS	0- 300	6-15	3-400
ND	ROLETTE	913	PLAINS	0- 300	6-15	3-400
ND	SARGENT	853	PLAINS	0- 300	6-15	3-400
ND	SHERIDAN	989	PLAINS	0- 300	6-15	3-400
ND	SIOUX	1,103	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ND	SLOPE	1,225	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
ND	STARK	1,316	TABLELANDS	3- 500	6-15	3-400
ND	STEELE	710	PLAINS	0- 300	6-15	3-400
ND	STUTSMAN	2,264	PLAINS	0- 300	6-15	3-400
ND	TOWNER	1,043	PLAINS	0- 300	6-15	3-400
ND	TRAILL	861	PLAINS	0- 300	6-15	3-400
ND	WALSH	1,286	PLAINS	0- 300	6-15	3-400
ND	WARD	2,044	PLAINS	0- 300	6-15	3-400
ND	WELLS	1,299	PLAINS	0- 300	6-15	3-400
ND	WILLIAMS	2,064	TABLELANDS	3- 500	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
	OHIO	40,975				
OH	ADAMS	587	TABLELANDS	3- 500	16-25	3-400
OH	ALLEN	410	PLAINS	0- 300	6-15	3-400
OH	ASHLAND	424	TABLELANDS	3- 500	6-15	3-400
OH	ASHTABULA	700	PLAINS	0- 300	6-15	3-400
OH	ATHENS	504	HILLS-MTNS	5-1000	16-25	3-400
OH	AUGLAIZE	400	PLAINS	0- 300	6-15	3-400
OH	BELMONT	534	HILLS-MTNS	5-1000	6-15	3-400
OH	BROWN	490	TABLELANDS	3- 500	16-25	3-400
OH	BUTLER	471	TABLELANDS	3- 500	16-25	3-400
OH	CARROLL	390	HILLS-MTNS	5-1000	6-15	3-400
OH	CHAMPAIGN	432	PLAINS	0- 300	6-15	3-400
OH	CLARK	402	PLAINS	0- 300	6-15	3-400
OH	CLERMONT	458	TABLELANDS	3- 500	16-25	3-400
OH	CLINTON	410	PLAINS	0- 300	16-25	3-400
OH	COLUMBIANA	534	HILLS-MTNS	5-1000	6-15	3-400
OH	COSHOCTON	562	HILLS-MTNS	5-1000	6-15	3-400
OH	CRAWFORD	404	PLAINS	0- 300	6-15	3-400
OH	CUYAHOGA	456	TABLELANDS	3- 500	6-15	3-400
OH	DARKE	605	PLAINS	0- 300	6-15	3-400
OH	DEFIANCE	412	PLAINS	0- 300	6-15	3-400
OH	DELAWARE	450	PLAINS	0- 300	6-15	3-400
OH	ERIE	264	PLAINS	0- 300	6-15	3-400
OH	FAIRFIELD	505	TABLELANDS	3- 500	16-25	3-400
OH	FAYETTE	404	PLAINS	0- 300	6-15	3-400
OH	FRANKLIN	538	PLAINS	0- 300	16-25	3-400
OH	FULTON	407	PLAINS	0- 300	6-15	3-400
OH	GALLIA	471	HILLS-MTNS	5-1000	16-25	3-400
OH	GEAUGA	407	PLAINS	0- 300	6-15	3-400
OH	GREENE	415	PLAINS	0- 300	6-15	3-400
OH	GUERNSEY	528	HILLS-MTNS	5-1000	6-15	3-400
OH	HAMILTON	414	TABLELANDS	3- 500	16-25	3-400
OH	HANCOCK	532	PLAINS	0- 300	6-15	3-400
OH	HARDIN	467	PLAINS	0- 300	6-15	3-400
OH	HARRISON	401	HILLS-MTNS	5-1000	6-15	3-400
OH	HENRY	416	PLAINS	0- 300	6-15	3-400
OH	HIGHLAND	549	PLAINS	0- 300	16-25	3-400
OH	HOCKING	421	HILLS-MTNS	5-1000	16-25	3-400
OH	HOLMES	424	TABLELANDS	3- 500	6-15	3-400
OH	HURON	497	PLAINS	0- 300	6-15	3-400
OH	JACKSON	419	HILLS-MTNS	5-1000	16-25	3-400
OH	JEFFERSON	411	HILLS-MTNS	5-1000	6-15	3-400
OH	KNOX	531	TABLELANDS	3- 500	6-15	3-400
OH	LAKE	231	PLAINS	0- 300	6-15	3-400
OH	LAWRENCE	456	HILLS-MTNS	5-1000	16-25	3-400
OH	LICKING	686	TABLELANDS	3- 500	16-25	3-400
OH	LOGAN	460	PLAINS	0- 300	6-15	3-400
OH	LORAIN	495	PLAINS	0- 300	6-15	3-400
OH	LUCAS	343	PLAINS	0- 300	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
OH	MADISON	463	PLAINS	0- 300	6-15	3-400
OH	MAHONING	415	PLAINS	0- 300	6-15	3-400
OH	MARION	405	PLAINS	0- 300	6-15	3-400
OH	MEDINA	425	PLAINS	0- 300	6-15	3-400
OH	MEIGS	436	HILLS-MTNS	5-1000	16-25	3-400
OH	MERCER	444	PLAINS	0- 300	6-15	3-400
OH	MIAMI	407	PLAINS	0- 300	6-15	3-400
OH	MONROE	456	HILLS-MTNS	5-1000	16-25	3-400
OH	MONTGOMERY	459	PLAINS	0- 300	6-15	3-400
OH	MORGAN	420	HILLS-MTNS	5-1000	16-25	3-400
OH	MORROW	403	PLAINS	0- 300	6-15	3-400
OH	MUSKINGUM	651	HILLS-MTNS	5-1000	16-25	3-400
OH	NOBLE	398	HILLS-MTNS	5-1000	16-25	3-400
OH	OTTAWA	261	PLAINS	0- 300	6-15	3-400
OH	PAULDING	417	PLAINS	0- 300	6-15	3-400
OH	PERRY	410	HILLS-MTNS	5-1000	16-25	3-400
OH	PICKAWAY	504	PLAINS	0- 300	16-25	3-400
OH	PIKE	443	HILLS-MTNS	5-1000	16-25	3-400
OH	PORTAGE	495	PLAINS	0- 300	6-15	3-400
OH	PREBLE	427	PLAINS	0- 300	6-15	3-400
OH	PUTNAM	486	PLAINS	0- 300	6-15	3-400
OH	RICHLAND	496	TABLELANDS	3- 500	6-15	3-400
OH	ROSS	687	HILLS-MTNS	5-1000	16-25	3-400
OH	SANDUSKY	409	PLAINS	0- 300	6-15	3-400
OH	SCIOTO	608	HILLS-MTNS	5-1000	16-25	3-400
OH	SENECA	551	PLAINS	0- 300	6-15	3-400
OH	SHELBY	408	PLAINS	0- 300	6-15	3-400
OH	STARK	576	PLAINS	0- 300	6-15	3-400
OH	SUMMIT	408	TABLELANDS	3- 500	6-15	3-400
OH	TRUMBULL	608	PLAINS	0- 300	6-15	3-400
OH	TUSCARAWAS	569	HILLS-MTNS	5-1000	6-15	3-400
OH	UNION	434	PLAINS	0- 300	6-15	3-400
OH	VAN WERT	409	PLAINS	0- 300	6-15	3-400
OH	VINTON	411	HILLS-MTNS	5-1000	16-25	3-400
OH	WARREN	408	TABLELANDS	3- 500	16-25	3-400
OH	WASHINGTON	641	HILLS-MTNS	5-1000	16-25	3-400
OH	WAYNE	561	TABLELANDS	3- 500	6-15	3-400
OH	WILLIAMS	421	PLAINS	0- 300	6-15	3-400
OH	WOOD	619	PLAINS	0- 300	6-15	3-400
OH	WYANDOT	406	PLAINS	0- 300	6-15	3-400
	OKLAHOMA	68,782				
OK	ADAIR	570	TABLELANDS	3- 500	16-25	4-500
OK	ALFALFA	868	PLAINS	0- 300	6-15	4-500
OK	ATOKA	991	PLAINS	0- 300	16-25	4-500
OK	BEAVER	1,790	TABLELANDS	3- 500	6-15	4-500
OK	BECKHAM	907	PLAINS	0- 300	16-25	4-500
OK	BLAINE	917	PLAINS	0- 300	16-25	4-500
OK	BRYAN	889	PLAINS	0- 300	16-25	4-500
OK	CADDO	1,272	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
OK	CANADIAN	897	PLAINS	0- 300	16-25	4-500
OK	CARTER	830	PLAINS	0- 300	16-25	4-500
OK	CHEROKEE	756	HILLS-MTNS	5-1000	16-25	4-500
OK	CHOCTAW	778	PLAINS	0- 300	16-25	4-500
OK	CIMARRON	1,843	PLAINS	0- 300	6-15	4-500
OK	CLEVELAND	527	PLAINS	0- 300	16-25	4-500
OK	COAL	526	PLAINS	0- 300	16-25	4-500
OK	COMANCHE	1,084	PLAINS	0- 300	16-25	4-500
OK	COTTON	651	PLAINS	0- 300	16-25	4-500
OK	CRAIG	764	PLAINS	0- 300	6-15	3-400
OK	CREEK	936	PLAINS	0- 300	16-25	4-500
OK	CUSTER	980	PLAINS	0- 300	16-25	4-500
OK	DELAWARE	707	TABLELANDS	3- 500	6-15	3-400
OK	DEWEY	1,018	TABLELANDS	3- 500	6-15	4-500
OK	ELLIS	1,242	TABLELANDS	3- 500	6-15	4-500
OK	GARFIELD	1,054	PLAINS	0- 300	6-15	4-500
OK	GARVIN	814	PLAINS	0- 300	16-25	4-500
OK	GRADY	1,096	PLAINS	0- 300	16-25	4-500
OK	GRANT	1,007	PLAINS	0- 300	6-15	4-500
OK	GREER	633	PLAINS	0- 300	16-25	4-500
OK	HARMON	545	PLAINS	0- 300	16-25	4-500
OK	HARPER	1,041	PLAINS	0- 300	6-15	4-500
OK	HASKELL	602	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
OK	HUGHES	807	PLAINS	0- 300	16-25	4-500
OK	JACKSON	810	PLAINS	0- 300	16-25	4-500
OK	JEFFERSON	780	PLAINS	0- 300	16-25	4-500
OK	JOHNSTON	638	PLAINS	0- 300	16-25	4-500
OK	KAY	950	PLAINS	0- 300	6-15	4-500
OK	KINGFISHER	904	PLAINS	0- 300	6-15	4-500
OK	KIOWA	1,027	HILLS-MTNS	1-3000	16-25	4-500
OK	LATIMER	737	OPEN-HILLS-MTNS	1-3000	16-25	4-500
OK	LE FLORE	1,560	OPEN-HILLS-MTNS	1-3000	16-25	4-500
OK	LINCOLN	973	PLAINS	0- 300	16-25	4-500
OK	LOGAN	751	PLAINS	0- 300	6-15	4-500
OK	LOVE	513	PLAINS	0- 300	16-25	4-500
OK	MC CLAIN	573	PLAINS	0- 300	16-25	4-500
OK	MC CURTAIN	1,800	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
OK	MC INTOSH	608	PLAINS	0- 300	16-25	4-500
OK	MAJOR	963	PLAINS	0- 300	6-15	4-500
OK	MARSHALL	366	PLAINS	0- 300	16-25	4-500
OK	MAYES	648	TABLELANDS	3- 500	6-15	4-500
OK	MURRAY	423	PLAINS	0- 300	16-25	4-500
OK	MUSKOGEE	818	PLAINS	0- 300	16-25	4-500
OK	NOBLE	743	PLAINS	0- 300	6-15	4-500
OK	NOWATA	537	PLAINS	0- 300	6-15	4-500
OK	OKFUSKEE	637	PLAINS	0- 300	16-25	4-500
OK	OKLAHOMA	700	PLAINS	0- 300	16-25	4-500
OK	OKMULGEE	700	PLAINS	0- 300	16-25	4-500
OK	OSAGE	2,272	PLAINS	0- 300	6-15	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
OK	OTTAWA	464	PLAINS	0- 300	6-15	3-400
OK	PAWNEE	561	PLAINS	0- 300	6-15	4-500
OK	PAYNE	694	PLAINS	0- 300	6-15	4-500
OK	PITTSBURG	1,241	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
OK	PONTOTOC	714	PLAINS	0- 300	16-25	4-500
OK	POTTAWATOMIE	794	PLAINS	0- 300	16-25	4-500
OK	PUSHMATAHA	1,420	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
OK	ROGER MILLS	1,140	TABLELANDS	3- 500	6-15	4-500
OK	ROGERS	685	PLAINS	0- 300	6-15	4-500
OK	SEMINOLE	630	PLAINS	0- 300	16-25	4-500
OK	SEQUOYAH	696	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
OK	STEPHENS	891	PLAINS	0- 300	16-25	4-500
OK	TEXAS	2,062	PLAINS	0- 300	6-15	4-500
OK	TILLMAN	901	PLAINS	0- 300	16-25	4-500
OK	TULSA	573	PLAINS	0- 300	6-15	4-500
OK	WAGONER	563	PLAINS	0- 300	16-25	4-500
OK	WASHINGTON	424	OPEN-HILLS-MTNS	3- 500	6-15	4-500
OK	WASHITA	1,009	PLAINS	0- 300	16-25	4-500
OK	WOODS	1,298	PLAINS	0- 300	6-15	4-500
OK	WOODWARD	1,251	PLAINS	0- 300	6-15	4-500
	OREGON	96,184				
OR	BAKER	3,068	OPEN-HILLS-MTNS	3000+	16-25	3-400
OR	BENTON	668	HILLS-MTNS	1-3000	16-25	3-400
OR	CLACKAMAS	1,884	HILLS-MTNS	3000+	16-25	3-400
OR	CLATSOP	805	HILLS-MTNS	1-3000	6-15	3-400
OR	COLUMBIA	639	HILLS-MTNS	1-3000	16-25	3-400
OR	COOS	1,604	HILLS-MTNS	1-3000	6-15	3-400
OR	CROOK	2,975	OPEN-HILLS-MTNS	3000+	16-25	3-400
OR	CURRY	1,627	HILLS-MTNS	3000+	6-15	3-400
OR	DESCHUTES	3,031	TABLELANDS	1-3000	16-25	3-400
OR	DOUGLAS	5,063	HILLS-MTNS	1-3000	6-15	3-400
OR	GILLIAM	1,208	TABLELANDS	3000+	16-25	3-400
OR	GRANT	4,530	OPEN-HILLS-MTNS	3000+	16-25	3-400
OR	HARNEY	10,166	TABLELANDS	1-3000	16-25	3-400
OR	HOOD RIVER	523	OPEN-HILLS-MTNS	3000+	16-25	3-400
OR	JACKSON	2,812	OPEN-HILLS-MTNS	3000+	16-25	3-400
OR	JEFFERSON	1,793	TABLELANDS	3000+	16-25	3-400
OR	JOSEPHINE	1,625	HILLS-MTNS	3000+	16-25	3-400
OR	KLAMATH	5,970	TABLELANDS	1-3000	16-25	3-400
OR	LAKE	8,231	TABLELANDS	1-3000	16-25	3-400
OR	LANE	4,552	HILLS-MTNS	3000+	6-15	3-400
OR	LINCOLN	986	HILLS-MTNS	1-3000	6-15	3-400
OR	LINN	2,283	HILLS-MTNS	3000+	16-25	3-400
OR	MALHEUR	9,859	TABLELANDS	3000+	16-25	3-400
OR	MARION	1,166	HILLS-MTNS	3000+	16-25	3-400
OR	MORROW	2,060	TABLELANDS	3000+	16-25	3-400
OR	MULTNOMAH	423	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
OR	POLK	736	HILLS-MTNS	1-3000	16-25	3-400
OR	SHERMAN	830	TABLELANDS	3000+	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
OR	TILLAMOOK	1,115	HILLS-MTNS	1-3000	6-15	3-400
OR	UMATILLA	3,227	TABLELANDS	3000+	16-25	3-400
OR	UNION	2,032	OPEN-HILLS-MTNS	3000+	16-25	3-400
OR	WALLOWA	3,178	OPEN-HILLS-MTNS	3000+	16-25	3-400
OR	WASCO	2,381	TABLELANDS	3000+	16-25	3-400
OR	WASHINGTON	716	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
OR	WHEELER	1,707	OPEN-HILLS-MTNS	3000+	16-25	3-400
OR	YAMHILL	711	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
	PENNSYLVANIA	44,966				
PA	ADAMS	526	PLAINS	0- 300	6-15	3-400
PA	ALLEGHENY	728	HILLS-MTNS	1-3000	6-15	3-400
PA	ARMSTRONG	652	HILLS-MTNS	1-3000	6-15	3-400
PA	BEAVER	440	HILLS-MTNS	1-3000	6-15	3-400
PA	BEDFORD	1,018	HILLS-MTNS	1-3000	6-15	3-400
PA	BERKS	862	PLAINS-HILLS-MTNS	1-3000	6-15	3-400
PA	BLAIR	530	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	BRADFORD	1,148	OPEN-HILLS-MTNS	5-1000	16-25	3-400
PA	BUCKS	614	TABLELANDS	3- 500	16-25	3-400
PA	BUTLER	794	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	CAMBRIA	692	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	CAMERON	401	HILLS-MTNS	1-3000	6-15	3-400
PA	CARBON	404	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	CENTRE	1,115	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	CHESTER	761	PLAINS	0- 300	16-25	3-400
PA	CLARION	597	HILLS-MTNS	1-3000	6-15	3-400
PA	CLEARFIELD	1,139	HILLS-MTNS	1-3000	6-15	3-400
PA	CLINTON	899	HILLS-MTNS	1-3000	6-15	3-400
PA	COLUMBIA	484	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	CRAWFORD	1,012	TABLELANDS	3- 500	6-15	3-400
PA	CUMBERLAND	555	PLAINS	0- 300	6-15	3-400
PA	DAUPHIN	518	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	DELAWARE	184	PLAINS	0- 300	16-25	3-400
PA	ELK	807	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	ERIE	813	PLAINS	0- 300	6-15	3-400
PA	FAYETTE	802	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	FOREST	419	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	FRANKLIN	754	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	FULTON	435	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	GREENE	578	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	HUNTINGDON	895	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	INDIANA	825	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	JEFFERSON	652	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	JUNIATA	386	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	LACKAWANNA	454	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	LANCASTER	946	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
PA	LAWRENCE	367	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	LEBANON	363	PLAINS	0- 300	16-25	3-400
PA	LEHIGH	348	PLAINS-HILLS-MTNS	1-3000	6-15	3-400
PA	LUZERNE	886	OPEN-HILLS-MTNS	1-3000	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
PA	LYCOMING	1,216	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	MC KEAN	992	OPEN-HILLS-MTNS	5-1000	16-25	3-400
PA	MERCER	670	TABLELANDS	3- 500	6-15	3-400
PA	MIFFLIN	431	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	MONROE	611	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	MONTGOMERY	496	TABLELANDS	3- 500	16-25	3-400
PA	MONTOUR	130	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	NORTHAMPTON	376	PLAINS-HILLS-MTNS	1-3000	6-15	3-400
PA	NORTHUMBERLAND	453	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	PERRY	551	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	PHILADELPHIA	129	PLAINS	0- 300	16-25	3-400
PA	PIKE	542	OPEN-HILLS-MTNS	5-1000	16-25	3-400
PA	POTTER	1,092	HILLS-MTNS	1-3000	16-25	3-400
PA	SCHUYLKILL	784	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	SNYDER	327	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	SOMERSET	1,078	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	SULLIVAN	478	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	SUSQUEHANNA	833	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	TIOGA	1,146	OPEN-HILLS-MTNS	1-3000	16-25	3-400
PA	UNION	318	OPEN-HILLS-MTNS	1-3000	6-15	3-400
PA	VENANGO	678	OPEN-HILLS-MTNS	5-1000	16-25	3-400
PA	WARREN	905	OPEN-HILLS-MTNS	5-1000	16-25	3-400
PA	WASHINGTON	857	HILLS-MTNS	1-3000	6-15	3-400
PA	WAYNE	741	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	WESTMORELAND	1,024	HILLS-MTNS	1-3000	6-15	3-400
PA	WYOMING	398	OPEN-HILLS-MTNS	5-1000	6-15	3-400
PA	YORK	909	PLAINS	0- 300	16-25	3-400
	RHODE ISLAND	1,049				
RI	BRISTOL	25	PLAINS	0- 300	6-15	3-400
RI	KENT	173	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
RI	NEWPORT	115	PLAINS	0- 300	6-15	3-400
RI	PROVIDENCE	416	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
RI	WASHINGTON	321	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
	SOUTH CAROLINA	30,225				
SC	ABBEVILLE	506	PLAINS	0- 300	16-25	3-400
SC	AIKEN	1,087	PLAINS	0- 300	16-25	4-500
SC	ALLENDALE	418	PLAINS	0- 300	16-25	4-500
SC	ANDERSON	749	PLAINS	0- 300	16-25	3-400
SC	BAMBERG	395	PLAINS	0- 300	16-25	4-500
SC	BARNWELL	553	PLAINS	0- 300	16-25	4-500
SC	BEAUFORT	579	PLAINS	0- 300	16-25	4-500
SC	BERKELEY	1,110	PLAINS	0- 300	16-25	4-500
SC	CALHOUN	377	PLAINS	0- 300	16-25	4-500
SC	CHARLESTON	939	PLAINS	0- 300	16-25	4-500
SC	CHEROKEE	394	PLAINS	0- 300	16-25	3-400
SC	CHESTER	584	PLAINS	0- 300	16-25	3-400
SC	CHESTERFIELD	790	PLAINS	0- 300	16-25	3-400
SC	CLARENDON	599	PLAINS	0- 300	16-25	4-500
SC	COLLETON	1,049	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
SC	DARLINGTON	543	PLAINS	0- 300	16-25	4-500
SC	DILLON	407	PLAINS	0- 300	26-35	4-500
SC	DORCHESTER	569	PLAINS	0- 300	16-25	4-500
SC	EDGEFIELD	482	PLAINS	0- 300	16-25	3-400
SC	FAIRFIELD	696	PLAINS	0- 300	16-25	3-400
SC	FLORENCE	805	PLAINS	0- 300	16-25	4-500
SC	GEORGETOWN	812	PLAINS	0- 300	16-25	4-500
SC	GREENVILLE	792	PLAINS	0- 300	16-25	3-400
SC	GREENWOOD	446	PLAINS	0- 300	16-25	3-400
SC	HAMPTON	562	PLAINS	0- 300	16-25	4-500
SC	HORRY	1,154	PLAINS	0- 300	16-25	4-500
SC	JASPER	652	PLAINS	0- 300	16-25	4-500
SC	KERSHAW	781	PLAINS	0- 300	16-25	3-400
SC	LANCASTER	502	PLAINS	0- 300	16-25	3-400
SC	LAURENS	711	PLAINS	0- 300	16-25	3-400
SC	LEE	409	PLAINS	0- 300	16-25	4-500
SC	LEXINGTON	717	PLAINS	0- 300	16-25	4-500
SC	MC CORMICK	360	PLAINS	0- 300	16-25	3-400
SC	MARION	487	PLAINS	0- 300	16-25	4-500
SC	MARLBORO	483	PLAINS	0- 300	26-35	4-500
SC	NEWBERRY	635	PLAINS	0- 300	16-25	3-400
SC	OCONEE	654	OPEN-HILLS-MTNS	5-1000	16-25	3-400
SC	ORANGEBURG	1,106	PLAINS	0- 300	16-25	4-500
SC	PICKENS	492	OPEN-HILLS-MTNS	5-1000	16-25	3-400
SC	RICHLAND	748	PLAINS	0- 300	16-25	4-500
SC	SALUDA	458	PLAINS	0- 300	16-25	3-400
SC	SPARTANBURG	831	PLAINS	0- 300	16-25	3-400
SC	SUMTER	672	PLAINS	0- 300	16-25	4-500
SC	UNION	514	PLAINS	0- 300	16-25	3-400
SC	WILLIAMSBURG	935	PLAINS	0- 300	16-25	4-500
SC	YORK	684	PLAINS	0- 300	16-25	3-400
	SOUTH DAKOTA	75,955				
	ARMSTRONG	0				
SD	AURORA	709	PLAINS	0- 300	6-15	3-400
SD	BEADLE	1,259	PLAINS	0- 300	6-15	3-400
SD	BENNETT	1,181	OPEN-HILLS-MTNS	3- 500	6-15	3-400
SD	BON HOMME	560	PLAINS	0- 300	6-15	3-400
SD	BROOKINGS	800	PLAINS	0- 300	6-15	3-400
SD	BROWN	1,674	PLAINS	0- 300	6-15	3-400
SD	BRULE	818	PLAINS	0- 300	6-15	3-400
SD	BUFFALO	482	PLAINS	0- 300	6-15	3-400
SD	BUTTE	2,250	PLAINS	0- 300	6-15	3-400
SD	CAMPBELL	732	PLAINS	0- 300	6-15	3-400
SD	CHARLES MIX	1,097	PLAINS	0- 300	6-15	3-400
SD	CLARK	964	TABLELANDS	3- 500	6-15	3-400
SD	CLAY	405	PLAINS	0- 300	6-15	3-400
SD	CODINGTON	687	PLAINS	0- 300	6-15	3-400
SD	CORSON	2,470	TABLELANDS	3- 500	6-15	3-400
SD	CUSTER	1,557	HILLS-MTNS	1-3000	6-15	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
SD	DAVISON	432	PLAINS	0- 300	6-15	3-400
SD	DAY	1,030	TABLELANDS	3- 500	6-15	3-400
SD	DEUEL	639	TABLELANDS	3- 500	6-15	3-400
SD	DEWEY	2,351	OPEN-HILLS-MTNS	3- 500	6-15	3-400
SD	DOUGLAS	435	PLAINS	0- 300	6-15	3-400
SD	EDMUNDS	1,154	PLAINS	0- 300	6-15	3-400
SD	FALL RIVER	1,743	PLAINS-HILLS-MTNS	3- 500	6-15	3-400
SD	FAULK	996	PLAINS	0- 300	16-25	3-400
SD	GRANT	681	PLAINS	0- 300	16-25	3-400
SD	GREGORY	997	PLAINS	0- 300	16-25	3-400
SD	HAAKON	1,816	TABLELANDS	3- 500	16-25	3-400
SD	HAMLIN	511	PLAINS	0- 300	16-25	3-400
SD	HAND	1,432	PLAINS	0- 300	16-25	3-400
SD	HANSON	430	PLAINS	0- 300	16-25	3-400
SD	HARDING	2,682	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
SD	HUGHES	748	PLAINS	0- 300	16-25	3-400
SD	HUTCHINSON	815	PLAINS	0- 300	16-25	3-400
SD	HYDE	863	PLAINS	0- 300	16-25	3-400
SD	JACKSON	808	TABLELANDS	3- 500	16-25	3-400
SD	JERAULD	527	PLAINS	0- 300	16-25	3-400
SD	JONES	973	TABLELANDS	3- 500	16-25	3-400
SD	KINGSBURY	818	PLAINS	0- 300	16-25	3-400
SD	LAKE	567	PLAINS	0- 300	16-25	3-400
SD	LAWRENCE	800	HILLS-MTNS	1-3000	16-25	3-400
SD	LINCOLN	576	PLAINS	0- 300	16-25	3-400
SD	LYMAN	1,683	TABLELANDS	3- 500	16-25	3-400
SD	MC COOK	575	PLAINS	0- 300	16-25	3-400
SD	MC PHERSON	1,147	PLAINS	0- 300	16-25	3-400
SD	MARSHALL	848	TABLELANDS	3- 500	16-25	3-400
SD	MEADE	3,465	TABLELANDS	3- 500	16-25	3-400
SD	MELLETTE	1,306	TABLELANDS	3- 500	16-25	3-400
SD	MINER	570	PLAINS	0- 300	16-25	3-400
SD	MINNEHAHA	813	PLAINS	0- 300	16-25	3-400
SD	MOODY	523	PLAINS	0- 300	16-25	3-400
SD	PENNINGTON	2,779	HILLS-MTNS	1-3000	16-25	3-400
SD	PERKINS	2,860	TABLELANDS	3- 500	16-25	3-400
SD	POTTER	869	PLAINS	0- 300	16-25	3-400
SD	ROBERTS	1,108	PLAINS	0- 300	16-25	3-400
SD	SANBORN	570	PLAINS	0- 300	16-25	3-400
SD	SHANNON	2,100	OPEN-HILLS-MTNS	3- 500	16-25	3-400
SD	SPINK	1,505	PLAINS	0- 300	16-25	3-400
SD	STANLEY	1,414	OPEN-HILLS-MTNS	3- 500	16-25	3-400
SD	SULLY	1,004	PLAINS	0- 300	16-25	3-400
SD	TODD	1,388	OPEN-HILLS-MTNS	3- 500	16-25	3-400
SD	TRIPP	1,620	TABLELANDS	3- 500	16-25	3-400
SD	TURNER	612	PLAINS	0- 300	16-25	3-400
SD	UNION	452	PLAINS	0- 300	16-25	3-400
SD	WALWORTH	718	PLAINS	0- 300	16-25	3-400
SD	WASHABAUGH	1,061	OPEN-HILLS-MTNS	3- 500	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
	WASHINGTON	0				
SD	YANKTON	519	PLAINS	0- 300	16-25	3-400
SD	ZIEBACH	1,981	TABLELANDS	3- 500	16-25	3-400
	TENNESSEE	41,328				
TN	ANDERSON	335	OPEN-HILLS-MTNS	3- 500		3-400
TN	BEDFORD	482	PLAINS-HILLS-MTNS	3- 500		3-400
TN	BENTON	392	OPEN-HILLS-MTNS	3- 500		3-400
TN	BLEDSOE	404	HILLS-MTNS	1-3000		3-400
TN	BLOUNT	575	OPEN-HILLS-MTNS	3- 500		3-400
TN	BRADLEY	334	OPEN-HILLS-MTNS	3- 500		3-400
TN	CAMPBELL	451	HILLS-MTNS	1-3000		3-400
TN	CANNON	271	TABLELANDS	3- 500		3-400
TN	CARROLL	596	PLAINS	0- 300		3-400
TN	CARTER	348	OPEN-HILLS-MTNS	1-3000		3-400
TN	CHEATHAM	305	OPEN-HILLS-MTNS	3- 500		3-400
TN	CHESTER	285	PLAINS	0- 300		3-400
TN	CLAIBORNE	444	OPEN-HILLS-MTNS	3- 500		3-400
TN	CLAY	233	OPEN-HILLS-MTNS	5-1000		3-400
TN	COCKE	424	OPEN-HILLS-MTNS	3- 500		3-400
TN	COFFEE	434	TABLELANDS	3- 500		3-400
TN	CROCKETT	269	PLAINS	0- 300		3-400
TN	CUMBERLAND	678	OPEN-HILLS-MTNS	1-3000		3-400
TN	DAVIDSON	508	PLAINS-HILLS-MTNS	3- 500		3-400
TN	DECATUR	337	OPEN-HILLS-MTNS	3- 500		3-400
TN	DE KALB	278	TABLELANDS	3- 500		3-400
TN	DICKSON	485	OPEN-HILLS-MTNS	3- 500		3-400
TN	DYER	529	PLAINS	0- 300		3-400
TN	FAYETTE	704	PLAINS	0- 300		3-400
TN	FENTRESS	498	TABLELANDS	5-1000		3-400
TN	FRANKLIN	553	OPEN-HILLS-MTNS	1-3000		3-400
TN	GIBSON	607	PLAINS	0- 300		3-400
TN	GILES	619	OPEN-HILLS-MTNS	3- 500		3-400
TN	GRAINGER	262	OPEN-HILLS-MTNS	3- 500		3-400
TN	GREENE	613	OPEN-HILLS-MTNS	3- 500		3-400
TN	GRUNDY	358	TABLELANDS	5-1000		3-400
TN	HAMBLEN	155	OPEN-HILLS-MTNS	3- 500		3-400
TN	HAMILTON	550	PLAINS-HILLS-MTNS	3- 500		3-400
TN	HANCOCK	230	OPEN-HILLS-MTNS	1-3000		3-400
TN	HARDEMAN	656	PLAINS	0- 300		3-400
TN	HARDIN	587	OPEN-HILLS-MTNS	3- 500		3-400
TN	HAWKINS	480	OPEN-HILLS-MTNS	3- 500		3-400
TN	HAYWOOD	519	PLAINS	0- 300		3-400
TN	HENDERSON	515	PLAINS	0- 300		3-400
TN	HENRY	567	PLAINS	0- 300		3-400
TN	HICKMAN	610	OPEN-HILLS-MTNS	3- 500		3-400
TN	HOUSTON	201	OPEN-HILLS-MTNS	3- 500		3-400
TN	HUMPHREYS	539	OPEN-HILLS-MTNS	3- 500		3-400
TN	JACKSON	323	OPEN-HILLS-MTNS	5-1000		3-400
TN	JEFFERSON	274	OPEN-HILLS-MTNS	3- 500		3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
TN	JOHNSON	293	OPEN-HILLS-MTNS	1-3000		3-400
TN	KNOX	508	OPEN-HILLS-MTNS	3- 500		3-400
TN	LAKE	167	PLAINS	0- 300		3-400
TN	LAUDERDALE	477	PLAINS	0- 300		3-400
TN	LAWRENCE	634	OPEN-HILLS-MTNS	3- 500		3-400
TN	LEWIS	285	OPEN-HILLS-MTNS	3- 500		3-400
TN	LINCOLN	580	OPEN-HILLS-MTNS	3- 500		3-400
TN	LOUDON	237	OPEN-HILLS-MTNS	3- 500		3-400
	MC MINN	432				
TN	MC NAIRY	569	PLAINS	0- 300		3-400
TN	MACON	304	PLAINS	0- 300		3-400
TN	MADISON	560	PLAINS	0- 300		3-400
TN	MARION	506	OPEN-HILLS-MTNS	1-3000		3-400
TN	MARSHALL	377	OPEN-HILLS-MTNS	3- 500		3-400
TN	MAURY	614	PLAINS-HILLS-MTNS	3- 500		3-400
TN	MEIGS	191	OPEN-HILLS-MTNS	3- 500		3-400
TN	MONROE	660	HILLS-MTNS	1-3000		3-400
TN	MONTGOMERY	539	OPEN-HILLS-MTNS	3- 500		3-400
TN	MOORE	124	OPEN-HILLS-MTNS	3- 500		3-400
TN	MORGAN	539	OPEN-HILLS-MTNS	1-3000		3-400
TN	OBION	556	PLAINS	0- 300		3-400
TN	OVERTON	441	TABLELANDS	3- 500		3-400
TN	PERRY	411	OPEN-HILLS-MTNS	3- 500		3-400
TN	PICKETT	158	TABLELANDS	3- 500	16-25	3-400
TN	POLK	434	HILLS-MTNS	1-3000	16-25	3-400
TN	PUTNAM	405	TABLELANDS	3- 500	16-25	3-400
TN	RHEA	312	OPEN-HILLS-MTNS	3- 500	16-25	3-400
TN	ROANE	350	OPEN-HILLS-MTNS	3- 500	16-25	3-400
TN	ROBERTSON	476	PLAINS	0- 300	16-25	3-400
TN	RUTHERFORD	612	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
TN	SCOTT	544	OPEN-HILLS-MTNS	1-3000	16-25	3-400
TN	SEQUATCHIE	273	OPEN-HILLS-MTNS	1-3000	16-25	3-400
TN	SEVIER	597	HILLS-MTNS	1-3000	16-25	3-400
TN	SHELBY	755	PLAINS	0- 300	16-25	3-400
TN	SMITH	323	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
TN	STEWART	470	OPEN-HILLS-MTNS	3- 500	16-25	3-400
TN	SULLIVAN	413	OPEN-HILLS-MTNS	3- 500	16-25	3-400
TN	SUMNER	534	PLAINS	0- 300	16-25	3-400
TN	TIPTON	459	PLAINS	0- 300	16-25	3-400
TN	TROUSDALE	114	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
TN	UNICOI	185	HILLS-MTNS	1-3000	16-25	3-400
TN	UNION	212	OPEN-HILLS-MTNS	3- 500	16-25	3-400
TN	VAN BUREN	254	TABLELANDS	5-1000	16-25	3-400
TN	WARREN	439	TABLELANDS	3- 500	16-25	3-400
TN	WASHINGTON	323	OPEN-HILLS-MTNS	3- 500	16-25	3-400
TN	WAYNE	739	OPEN-HILLS-MTNS	3- 500	16-25	3-400
TN	WEAKLEY	576	PLAINS	0- 300	16-25	3-400
TN	WHITE	382	TABLELANDS	3- 500	16-25	3-400
TN	WILLIAMSON	593	PLAINS-HILLS-MTNS	3- 500	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
TN	WILSON	567	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
	TEXAS	262,134				
TX	ANDERSON	1,072	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	ANDREWS	1,504	PLAINS	0- 300	16-25	4-500
TX	ANGELINA	738	PLAINS	0- 300	16-25	4-500
TX	ARANSAS	275	PLAINS	0- 300	16-25	4-500
TX	ARCHER	913	PLAINS	0- 300	16-25	4-500
TX	ARMSTRONG	907	TABLELANDS	3- 500	16-25	4-500
TX	ATASCOSA	1,206	PLAINS	0- 300	16-25	4-500
TX	AUSTIN	663	PLAINS	0- 300	16-25	4-500
TX	BAILEY	835	PLAINS	0- 300	16-25	4-500
TX	BANDERA	763	HILLS-MTNS	5-1000	16-25	4-500
TX	BASTROP	890	PLAINS	0- 300	16-25	4-500
TX	BAYLOR	845	PLAINS	0- 300	6-15	4-500
TX	BEE	842	PLAINS	0- 300	16-25	4-500
TX	BELL	1,047	PLAINS	0- 300	16-25	4-500
TX	BEXAR	1,246	PLAINS	0- 300	16-25	4-500
TX	BLANCO	719	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
TX	BORDEN	907	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	BOSQUE	990	TABLELANDS	3- 500	16-25	4-500
TX	BOWIE	891	PLAINS	0- 300	16-25	4-500
TX	BRAZORIA	1,423	PLAINS	0- 300	16-25	4-500
TX	BRAZOS	586	PLAINS	0- 300	16-25	4-500
TX	BREWSTER	6,204	OPEN-HILLS-MTNS	1-3000	16-25	500-
TX	BRISCOE	874	TABLELANDS	3- 500	16-25	4-500
TX	BROOKS	904	PLAINS	0- 300	16-25	4-500
TX	BROWN	938	PLAINS	0- 300	16-25	4-500
TX	BURLESON	670	PLAINS	0- 300	16-25	4-500
TX	BURNET	996	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
TX	CALDWELL	544	PLAINS	0- 300	16-25	4-500
TX	CALHOUN	527	PLAINS	0- 300	16-25	4-500
TX	CALLAHAN	856	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	CAMERON	896	PLAINS	0- 300	16-25	4-500
TX	CAMP	192	PLAINS	0- 300	16-25	4-500
TX	CARSON	900	PLAINS	0- 300	6-15	4-500
TX	CASS	941	PLAINS	0- 300	16-25	4-500
TX	CASTRO	880	PLAINS	0- 300	16-25	4-500
TX	CHAMBERS	616	PLAINS	0- 300	16-25	4-500
TX	CHEROKEE	1,049	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	CHILDRESS	699	PLAINS	0- 300	16-25	4-500
TX	CLAY	1,102	PLAINS	0- 300	16-25	4-500
TX	COCHRAN	783	PLAINS	0- 300	16-25	4-500
TX	COKE	911	TABLELANDS	3- 500	16-25	4-500
TX	COLEMAN	1,280	PLAINS	0- 300	16-25	4-500
TX	COLLIN	836	PLAINS	0- 300	6-15	4-500
TX	COLLINGSWORTH	894	TABLELANDS	3- 500	16-25	4-500
TX	COLORADO	949	PLAINS	0- 300	16-25	4-500
TX	COMAL	567	OPEN-HILLS-MTNS	5-1000	16-25	4-500
TX	COMANCHE	944	TABLELANDS	3- 500	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
TX	CONCHO	1,004	PLAINS	0- 300	16-25	4-500
TX	COOKE	905	PLAINS	0- 300	16-25	4-500
TX	CORYELL	1,043	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
TX	COTTLE	900	TABLELANDS	3- 500	16-25	4-500
TX	CRANE	795	PLAINS	0- 300	16-25	4-500
TX	CROCKETT	2,794	TABLELANDS	3- 500	16-25	4-500
TX	CROSBY	911	TABLELANDS	3- 500	16-25	4-500
TX	CULBERSON	3,851	HILLS-MTNS	1-3000	16-25	500-
TX	DALLAM	1,494	PLAINS	0- 300	6-15	4-500
TX	DALLAS	859	PLAINS	0- 300	6-15	4-500
TX	DAWSON	902	PLAINS	0- 300	16-25	4-500
TX	DEAF SMITH	1,510	PLAINS	0- 300	16-25	4-500
TX	DELTA	276	PLAINS	0- 300	16-25	4-500
TX	DENTON	911	PLAINS	0- 300	16-25	4-500
TX	DE WITT	910	PLAINS	0- 300	16-25	4-500
TX	DICKENS	931	TABLELANDS	3- 500	16-25	4-500
TX	DIMMIT	1,344	PLAINS	0- 300	16-25	4-500
TX	DONLEY	905	TABLELANDS	3- 500	16-25	4-500
TX	DUVAL	1,814	PLAINS	0- 300	16-25	4-500
TX	EASTLAND	952	PLAINS	0- 300	16-25	4-500
TX	ECTOR	907	PLAINS	0- 300	16-25	4-500
TX	EDWARDS	2,076	HILLS-MTNS	5-1000	16-25	4-500
TX	ELLIS	940	PLAINS	0- 300	6-15	4-500
TX	EL PASO	1,057	HILLS-MTNS	3000+	16-25	500-
TX	ERATH	1,085	PLAINS	0- 300	16-25	4-500
TX	FALLS	764	PLAINS	0- 300	16-25	4-500
TX	FANNIN	905	PLAINS	0- 300	16-25	4-500
TX	FAYETTE	934	PLAINS	0- 300	16-25	4-500
TX	FISHER	904	PLAINS	0- 300	6-15	4-500
TX	FLOYD	993	PLAINS	0- 300	16-25	4-500
TX	FOARD	676	PLAINS	0- 300	16-25	4-500
TX	FORT BEND	869	PLAINS	0- 300	16-25	4-500
TX	FRANKLIN	293	PLAINS	0- 300	16-25	4-500
TX	FREESTONE	865	PLAINS	0- 300	16-25	4-500
TX	FRIO	1,116	PLAINS	0- 300	16-25	4-500
TX	GAINES	1,489	PLAINS	0- 300	16-25	4-500
TX	GALVESTON	399	PLAINS	0- 300	16-25	4-500
TX	GARZA	914	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	GILLESPIE	1,055	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
TX	GLASSCOCK	863	PLAINS	0- 300	16-25	4-500
TX	GOLIAD	871	PLAINS	0- 300	16-25	4-500
TX	GONZALES	1,056	PLAINS	0- 300	16-25	4-500
TX	GRAY	934	TABLELANDS	3- 500	6-15	4-500
TX	GRAYSON	940	PLAINS	0- 300	16-25	4-500
TX	GREGG	282	OPEN-HILLS-MTNS	0- 300	16-25	4-500
TX	GRIMES	801	PLAINS	0- 300	16-25	4-500
TX	GUADALUPE	714	PLAINS	0- 300	16-25	4-500
TX	HALE	979	PLAINS	0- 300	16-25	4-500
TX	HALL	885	TABLELANDS	3- 500	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
TX	HAMILTON	844	TABLELANDS	3- 500	16-25	4-500
TX	HANSFORD	907	PLAINS	0- 300	6-15	4-500
TX	HARDEMAN	687	PLAINS	0- 300	16-25	4-500
TX	HARDIN	897	PLAINS	0- 300	16-25	4-500
TX	HARRIS	1,723	PLAINS	0- 300	16-25	4-500
TX	HARRISON	894	PLAINS	0- 300	16-25	4-500
TX	HARTLEY	1,488	PLAINS	0- 300	6-15	4-500
TX	HASKELL	877	PLAINS	0- 300	16-25	4-500
TX	HAYS	650	OPEN-HILLS-MTNS	5-1000	16-25	4-500
TX	HEMPHILL	904	TABLELANDS	3- 500	6-15	4-500
TX	HENDERSON	943	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	HIDALGO	1,543	PLAINS	0- 300	16-25	4-500
TX	HILL	1,010	PLAINS	0- 300	16-25	4-500
TX	HOCKLEY	908	PLAINS	0- 300	16-25	4-500
TX	HOOD	426	TABLELANDS	3- 500	16-25	4-500
TX	HOPKINS	793	PLAINS	0- 300	16-25	4-500
TX	HOUSTON	1,237	PLAINS	0- 300	16-25	4-500
TX	HOWARD	911	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	HUDSPETH	4,554	HILLS-MTNS	1-3000	16-25	500-
TX	HUNT	826	PLAINS	0- 300	16-25	4-500
TX	HUTCHINSON	875	TABLELANDS	3- 500	6-15	4-500
TX	IRION	1,073	TABLELANDS	3- 500	16-25	4-500
TX	JACK	945	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	JACKSON	850	PLAINS	0- 300	16-25	4-500
TX	JASPER	907	PLAINS	0- 300	16-25	4-500
TX	JEFF DAVIS	2,259	HILLS-MTNS	1-3000	16-25	500-
TX	JEFFERSON	951	PLAINS	0- 300	16-25	4-500
TX	JIM HOGG	1,143	PLAINS	0- 300	16-25	4-500
TX	JIM WELLS	845	PLAINS	0- 300	16-25	4-500
TX	JOHNSON	740	PLAINS	0- 300	16-25	4-500
TX	JONES	956	PLAINS	0- 300	6-15	4-500
TX	KARNES	758	PLAINS	0- 300	16-25	4-500
TX	KAUFMAN	815	PLAINS	0- 300	16-25	4-500
TX	KENDALL	670	OPEN-HILLS-MTNS	5-1000	16-25	4-500
TX	KENEDY	1,394	PLAINS	0- 300	16-25	4-500
TX	KENT	880	TABLELANDS	3- 500	16-25	4-500
TX	KERR	1,101	TABLELANDS	3- 500	16-25	4-500
TX	KIMBLE	1,274	TABLELANDS	3- 500	16-25	4-500
TX	KING	944	TABLELANDS	3- 500	16-25	4-500
TX	KINNEY	1,393	PLAINS	0- 300	16-25	4-500
TX	KLEBERG	851	PLAINS	0- 300	16-25	4-500
TX	KNOX	851	PLAINS	0- 300	6-15	4-500
TX	LAMAR	894	PLAINS	0- 300	16-25	4-500
TX	LAMB	1,022	PLAINS	0- 300	16-25	4-500
TX	LAMPASAS	726	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
TX	LA SALLE	1,509	PLAINS	0- 300	16-25	4-500
TX	LAVACA	975	PLAINS	0- 300	16-25	4-500
TX	LEE	637	PLAINS	0- 300	16-25	4-500
TX	LEON	1,102	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
TX	LIBERTY	1,180	PLAINS	0- 300	16-25	4-500
TX	LIMESTONE	931	PLAINS	0- 300	16-25	4-500
TX	LIPSCOMB	934	TABLELANDS	3- 500	6-15	4-500
TX	LIVE OAK	1,055	PLAINS	0- 300	16-25	4-500
TX	LLANO	941	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
TX	LOVING	648	PLAINS	0- 300	16-25	4-500
TX	LUBBOCK	893	PLAINS	0- 300	16-25	4-500
TX	LYNN	915	PLAINS	0- 300	16-25	4-500
TX	MC CULLOCH	1,066	PLAINS	0- 300	16-25	4-500
TX	MC LENNAN	1,009	PLAINS	0- 300	16-25	4-500
TX	MC MULLEN	1,159	PLAINS	0- 300	16-25	4-500
TX	MADISON	480	PLAINS	0- 300	16-25	4-500
TX	MARION	380	PLAINS	0- 300	16-25	4-500
TX	MARTIN	911	PLAINS	0- 300	16-25	4-500
TX	MASON	935	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
TX	MATAGORDA	1,157	PLAINS	0- 300	16-25	4-500
TX	MAVERICK	1,269	PLAINS	0- 300	16-25	4-500
TX	MEDINA	1,352	PLAINS	0- 300	16-25	4-500
TX	MENARD	914	TABLELANDS	3- 500	16-25	4-500
TX	MIDLAND	939	PLAINS	0- 300	16-25	4-500
TX	MILAM	1,028	PLAINS	0- 300	16-25	4-500
TX	MILLS	734	TABLELANDS	3- 500	16-25	4-500
TX	MITCHELL	920	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	MONTAGUE	932	TABLELANDS	3- 500	16-25	4-500
TX	MONTGOMERY	1,090	PLAINS	0- 300	16-25	4-500
TX	MOORE	909	PLAINS	0- 300	6-15	4-500
TX	MORRIS	260	PLAINS	0- 300	16-25	4-500
TX	MOTLEY	980	TABLELANDS	3- 500	16-25	4-500
TX	NACOGDOCHES	902	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	NAVARRO	1,070	PLAINS	0- 300	16-25	4-500
TX	NEWTON	949	PLAINS	0- 300	16-25	4-500
TX	NOLAN	922	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	NUECES	841	PLAINS	0- 300	16-25	4-500
TX	OCHILTREE	907	PLAINS	0- 300	6-15	4-500
TX	OLDHAM	1,478	TABLELANDS	3- 500	6-15	4-500
TX	ORANGE	359	PLAINS	0- 300	16-25	4-500
TX	PALO PINTO	948	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX	PANOLA	869	PLAINS	0- 300	16-25	4-500
TX	PARKER	903	TABLELANDS	3- 500	16-25	4-500
TX	PARMER	859	PLAINS	0- 300	16-25	4-500
TX	PECOS	4,740	PLAINS-HILLS-MTNS	5-1000	16-25	4-500
TX	POLK	1,100	PLAINS	0- 300	16-25	4-500
TX	POTTER	898	TABLELANDS	3- 500	6-15	4-500
TX	PRESIDIO	3,892	PLAINS-HILLS-MTNS	1-3000	16-25	500-
TX	RAINS	210	PLAINS	0- 300	16-25	4-500
TX	RANDALL	914	PLAINS	0- 300	16-25	4-500
TX	REAGAN	1,132	PLAINS	0- 300	16-25	4-500
TX	REAL	622	HILLS-MTNS	5-1000	16-25	4-500
TX	RED RIVER	1,033	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY	LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
TX REEVES	2,608	PLAINS	0- 300	16-25	500-
TX REFUGIO	774	PLAINS	0- 300	16-25	4-500
TX ROBERTS	899	TABLELANDS	3- 500	6-15	4-500
TX ROBERTSON	877	PLAINS	0- 300	16-25	4-500
TX ROCKWALL	147	PLAINS	0- 300	16-25	4-500
TX RUNNELS	1,058	PLAINS	0- 300	16-25	4-500
TX RUSK	939	PLAINS	0- 300	16-25	4-500
TX SABINE	456	PLAINS	0- 300	16-25	4-500
TX SAN AUGUSTINE	473	PLAINS	0- 300	16-25	4-500
TX SAN JACINTO	624	PLAINS	0- 300	16-25	4-500
TX SAN PATRICIO	685	PLAINS	0- 300	16-25	4-500
TX SAN SABA	1,120	TABLELANDS	3- 500	16-25	4-500
TX SCHLEICHER	1,331	PLAINS	0- 300	16-25	4-500
TX SCURRY	904	PLAINS	0- 300	16-25	4-500
TX SHACKELFORD	887	PLAINS-HILLS-MTNS	3- 500	6-15	4-500
TX SHELBY	778	PLAINS	0- 300	16-25	4-500
TX SHERMAN	916	PLAINS	0- 300	6-15	4-500
TX SMITH	934	PLAINS	0- 300	16-25	4-500
TX SOMERVELL	197	TABLELANDS	3- 500	16-25	4-500
TX STARR	1,211	PLAINS	0- 300	16-25	4-500
TX STEPHENS	899	PLAINS	0- 300	16-25	4-500
TX STERLING	914	TABLELANDS	3- 500	16-25	4-500
TX STONEWALL	926	PLAINS	0- 300	6-15	4-500
TX SUTTON	1,493	PLAINS	0- 300	16-25	4-500
TX SWISHER	896	PLAINS	0- 300	16-25	4-500
TX TARRANT	861	PLAINS	0- 300	16-25	4-500
TX TAYLOR	912	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX TERRELL	2,391	OPEN-HILLS-MTNS	5-1000	16-25	4-500
TX TERRY	899	PLAINS	0- 300	16-25	4-500
TX THROCKMORTON	920	PLAINS	0- 300	6-15	4-500
TX TITUS	418	PLAINS	0- 300	16-25	4-500
TX TOM GREEN	1,500	PLAINS	0- 300	16-25	4-500
TX TRAVIS	1,012	PLAINS	0- 300	16-25	4-500
TX TRINITY	707	PLAINS	0- 300	16-25	4-500
TX TYLER	919	PLAINS	0- 300	16-25	4-500
TX UPSHUR	584	PLAINS	0- 300	16-25	4-500
TX UPTON	1,312	PLAINS	0- 300	16-25	4-500
TX UVALDE	1,588	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
TX VAL VERDE	3,241	HILLS-MTNS	5-1000	16-25	4-500
TX VAN ZANDT	845	PLAINS	0- 300	16-25	4-500
TX VICTORIA	892	PLAINS	0- 300	16-25	4-500
TX WALKER	790	PLAINS	0- 300	16-25	4-500
TX WALLER	509	PLAINS	0- 300	16-25	4-500
TX WARD	827	PLAINS	0- 300	16-25	4-500
TX WASHINGTON	594	PLAINS	0- 300	16-25	4-500
TX WEBB	3,306	PLAINS	0- 300	16-25	4-500
TX WHARTON	1,076	PLAINS	0- 300	16-25	4-500
TX WHEELER	914	TABLELANDS	3- 500	6-15	4-500
TX WICHITA	611	PLAINS	0- 300	16-25	4-500

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
TX	WILBARGER	952	PLAINS	0- 300	16-25	4-500
TX	WILLACY	591	PLAINS	0- 300	16-25	4-500
TX	WILLIAMSON	1,104	PLAINS	0- 300	16-25	4-500
TX	WILSON	802	PLAINS	0- 300	16-25	4-500
TX	WINKLER	887	PLAINS	0- 300	16-25	4-500
TX	WISE	922	TABLELANDS	3- 500	16-25	4-500
TX	WOOD	721	PLAINS	0- 300	16-25	4-500
TX	YOAKUM	830	PLAINS	0- 300	16-25	4-500
TX	YOUNG	888	PLAINS	0- 300	16-25	4-500
TX	ZAPATA	957	PLAINS	0- 300	16-25	4-500
TX	ZAVALA	1,291	PLAINS	0- 300	16-25	4-500
	UTAH	82,096				
UT	BEAVER	2,584	PLAINS-HILLS-MTNS	1-3000	26-35	4-500
UT	BOX ELDER	5,603	PLAINS-HILLS-MTNS	3000+	16-25	3-400
UT	CACHE	1,174	OPEN-HILLS-MTNS	3000+	16-25	3-400
UT	CARBON	1,476	OPEN-HILLS-MTNS	1-3000	26-35	4-500
UT	DAGGETT	682	HILLS-MTNS	3000+	16-25	4-500
UT	DAVIS	297	PLAINS-HILLS-MTNS	3000+	16-25	3-400
UT	DUCHESNE	3,255	PLAINS-HILLS-MTNS	3000+	16-25	4-500
UT	EMERY	4,439	TABLELANDS	5-1000	26-35	4-500
UT	GARFIELD	5,158	TABLELANDS	3000+	16-25	4-500
UT	GRAND	3,682	TABLELANDS	5-1000	26-35	4-500
UT	IRON	3,300	PLAINS-HILLS-MTNS	1-3000	26-35	4-500
UT	JUAB	3,412	PLAINS-HILLS-MTNS	3000+	26-35	4-500
UT	KANE	3,904	TABLELANDS	1-3000	16-25	4-500
UT	MILLARD	6,793	PLAINS-HILLS-MTNS	3000+	26-35	4-500
UT	MORGAN	607	HILLS-MTNS	3000+	16-25	3-400
UT	PIUTE	754	OPEN-HILLS-MTNS	3000+	26-35	4-500
UT	RICH	1,023	OPEN-HILLS-MTNS	1-3000	16-25	3-400
UT	SALT LAKE	764	PLAINS-HILLS-MTNS	3000+	16-25	3-400
UT	SAN JUAN	7,707	TABLELANDS	1-3000	16-25	4-500
UT	SANPETE	1,597	OPEN-HILLS-MTNS	3000+	26-35	4-500
UT	SEVIER	1,929	OPEN-HILLS-MTNS	3000+	26-35	4-500
UT	SUMMIT	1,849	OPEN-HILLS-MTNS	3000+	16-25	3-400
UT	TOOELE	6,923	PLAINS-HILLS-MTNS	3000+	16-25	3-400
UT	UINTAH	4,487	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
UT	UTAH	2,014	OPEN-HILLS-MTNS	3000+	16-25	3-400
UT	WASATCH	1,191	OPEN-HILLS-MTNS	1-3000	16-25	3-400
UT	WASHINGTON	2,427	TABLELANDS	3000+	26-35	4-500
UT	WAYNE	2,486	PLAINS-HILLS-MTNS	3000+	26-35	4-500
UT	WEBER	581	PLAINS-HILLS-MTNS	3000+	16-25	3-400
	VERMONT	9,267				
VT	ADDISON	784	PLAINS-HILLS-MTNS	5-1000	6-15	-300
VT	BENNINGTON	672	OPEN-HILLS-MTNS	1-3000	6-15	-300
VT	CALEDONIA	612	OPEN-HILLS-MTNS	1-3000	6-15	-300
VT	CHITTENDEN	533	PLAINS-HILLS-MTNS	5-1000	6-15	-300
VT	ESSEX	663	OPEN-HILLS-MTNS	1-3000	6-15	-300
VT	FRANKLIN	660	PLAINS-HILLS-MTNS	5-1000	6-15	-300
VT	GRAND ISLE	83	PLAINS-HILLS-MTNS	5-1000	6-15	-300

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
VT	LAMOILLE	474	HILLS-MTNS	1-3000	6-15	-300
VT	ORANGE	690	OPEN-HILLS-MTNS	1-3000	6-15	-300
VT	ORLEANS	715	OPEN-HILLS-MTNS	1-3000	6-15	-300
VT	RUTLAND	927	OPEN-HILLS-MTNS	1-3000	6-15	-300
VT	WASHINGTON	707	OPEN-HILLS-MTNS	1-3000	6-15	-300
VT	WINDHAM	784	OPEN-HILLS-MTNS	1-3000	6-15	-300
VT	WINDSOR	962	OPEN-HILLS-MTNS	1-3000	6-15	-300
	VIRGINA	39,780				
VA	ACCOMACK	476	PLAINS	0- 300	16-25	3-400
VA	ALBEMARLE	740	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	ALLEGHANY	444	HILLS-MTNS	1-3000	16-25	3-400
VA	AMELIA	366	PLAINS	0- 300	16-25	3-400
VA	AMHERST	470	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	APPOMATTOX	345	PLAINS	0- 300	16-25	3-400
VA	ARLINGTON	26	PLAINS	0- 300	16-25	3-400
VA	AUGUSTA	986	OPEN-HILLS-MTNS	1-3000	16-25	3-400
VA	BATH	540	HILLS-MTNS	1-3000	16-25	3-400
VA	BEDFORD	727	TABLELANDS	5-1000	16-25	3-400
VA	BLAND	369	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	BOTETOURT	548	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	BRUNSWICK	579	PLAINS	0- 300	16-25	3-400
VA	BUCHANAN	508	HILLS-MTNS	1-3000	16-25	3-400
VA	BUCKINGHAM	582	PLAINS	0- 300	16-25	3-400
VA	CAMPBELL	529	PLAINS	0- 300	16-25	3-400
VA	CAROLINE	545	PLAINS	0- 300	16-25	3-400
VA	CARROLL	494	HILLS-MTNS	1-3000	16-25	3-400
VA	CHARLES CITY	181	PLAINS	0- 300	16-25	3-400
VA	CHARLOTTE	470	PLAINS	0- 300	16-25	3-400
VA	CHESTERFIELD	442	PLAINS	0- 300	16-25	3-400
VA	CLARKE	174	PLAINS	0- 300	16-25	3-400
VA	CRAIG	336	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	CULPEPER	389	PLAINS	0- 300	16-25	3-400
VA	CUMBERLAND	291	PLAINS	0- 300	16-25	3-400
VA	DICKENSON	332	HILLS-MTNS	1-3000	16-25	3-400
VA	DINWIDDIE	507	PLAINS	0- 300	16-25	3-400
	ELIZABETH CITY	0				
VA	ESSEX	250	PLAINS	0- 300	16-25	3-400
VA	FAIRFAX	399	PLAINS	0- 300	16-25	3-400
VA	FAUQUIER	660	PLAINS	0- 300	16-25	3-400
VA	FLOYD	383	HILLS-MTNS	1-3000	16-25	3-400
VA	FLUVANNA	288	PLAINS	0- 300	16-25	3-400
VA	FRANKLIN	716	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	FREDERICK	405	PLAINS	0- 300	16-25	3-400
VA	GILES	363	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	GLOUCESTER	228	PLAINS	0- 300	16-25	3-400
VA	GOOCHLAND	289	PLAINS	0- 300	16-25	3-400
VA	GRAYSON	452	HILLS-MTNS	1-3000	16-25	3-400
VA	GREENE	153	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	GREENSVILLE	299	PLAINS	0- 300	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
VA	HALIFAX	796	PLAINS	0- 300	16-25	3-400
VA	HANOVER	465	PLAINS	0- 300	16-25	3-400
VA	HENRICO	229	PLAINS	0- 300	16-25	3-400
VA	HENRY	381	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	HIGHLAND	416	HILLS-MTNS	1-3000	16-25	3-400
VA	ISLE OF WIGHT	317	PLAINS	0- 300	16-25	3-400
VA	JAMES CITY	152	PLAINS	0- 300	16-25	3-400
VA	KING AND QUEEN	318	PLAINS	0- 300	16-25	3-400
VA	KING GEORGE	176	PLAINS	0- 300	16-25	3-400
VA	KING WILLIAM	278	PLAINS	0- 300	16-25	3-400
VA	LANCASTER	137	PLAINS	0- 300	16-25	3-400
VA	LEE	438	HILLS-MTNS	1-3000	16-25	3-400
VA	LOUDOUN	517	PLAINS	0- 300	16-25	3-400
VA	LOUISA	517	PLAINS	0- 300	16-25	3-400
VA	LUNENBERG	442	PLAINS	0- 300	16-25	3-400
VA	MADISON	327	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	MATHEWS	89	PLAINS	0- 300	16-25	3-400
VA	MECKLENBURG	612	PLAINS	0- 300	16-25	3-400
VA	MIDDLESEX	130	PLAINS	0- 300	16-25	3-400
VA	MONTGOMERY	394	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	NANSEMOND	0	PLAINS	0- 300	16-25	3-400
VA	NELSON	471	PLAINS	0- 300	16-25	3-400
VA	NEW KENT	210	PLAINS	0- 300	16-25	3-400
	NORFOLK	0				
VA	NORTHAMPTON	220	PLAINS	0- 300	16-25	3-400
VA	NORTHUMBERLAND	190	PLAINS	0- 300	16-25	3-400
VA	NOTTOWAY	308	PLAINS	0- 300	16-25	3-400
VA	ORANGE	355	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	PAGE	316	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	PATRICK	464	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	PITTSYLVANIA	1,001	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	POWHATAN	269	PLAINS	0- 300	16-25	3-400
VA	PRINCE EDWARD	357	PLAINS	0- 300	16-25	3-400
VA	PRINCE GEORGE	276	PLAINS	0- 300	16-25	3-400
VA	PRINCE WILLIAM	347	PLAINS	0- 300	16-25	3-400
	PRINCESS ANNE	0				
VA	PULASKI	328	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	RAPPAHANNOCK	267	OPEN-HILLS-MTNS	1-3000	16-25	3-400
VA	RICHMOND	190	PLAINS	0- 300	16-25	3-400
VA	ROANOKE	262	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	ROCKBRIDGE	601	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	ROCKINGHAM	865	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	RUSSELL	487	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	SCOTT	539	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	SHENANDOAH	507	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	SMYTH	435	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	SOUTHAMPTON	602	PLAINS	0- 300	16-25	3-400
VA	SPOTSYLVANIA	409	PLAINS	0- 300	16-25	3-400
VA	STAFFORD	270	PLAINS	0- 300	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
VA	SURRY	277	PLAINS	0- 300	16-25	3-400
VA	SUSSEX	494	PLAINS	0- 300	16-25	3-400
VA	TAZEWELL	522	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	WARREN	219	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
	WARWICK	0				
VA	WASHINGTON	574	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
VA	WESTMORELAND	229	PLAINS	0- 300	16-25	3-400
VA	WISE	412	HILLS-MTNS	1-3000	16-25	3-400
VA	WYTHE	460	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
VA	YORK	129	PLAINS	0- 300	16-25	3-400
	ALEXANDRIA CITY	15				
	BEDFORD CITY	7				
	BRISTOL CITY	4				
	BUENA VISTA CITY	7				
	CHARLOTTESVILLE CITY	10				
	CHESAPEAKE CITY	341				
	CLIFTON FORGE CITY	4				
	COLONIAL HEIGHTS CITY	8				
	COVINGTON CITY	4				
	DANVILLE CITY	17				
	EMPORIA CITY	2				
	FAIRFAX CITY	6				
	FALLS CHURCH CITY	2				
	FRANKLIN CITY	4				
	FREDERICKSBURG CITY	6				
	GALAX CITY	7				
	HAMPTON CITY	55				
	HARRISONBURG CITY	6				
	HOPEWELL CITY	9				
	LEXINGTON CITY	3				
	LYNCHBURG CITY	25				
	MANASSES CITY	2				
	MANASSES PARK CITY	1				
	MARTINSVILLE CITY	11				
	NEWPORT NEWS CITY	69				
	NORFOLK CITY	53				
	NORTON CITY	4				
	PETERSBURG CITY	8				
	POQUOSON CITY	17				
	PORTSMOUTH CITY	29				
	RADFORD CITY	5				
	RICHMOND CITY	60				
	ROANOKE CITY	27				
	SALEM CITY	14				
	SOUTH BOSTON CITY	5				
	SOUTH NORFOLK CITY	0				
	STAUNTON CITY	9				
	SUFFOLK CITY	410				
	VIRGINIA BEACH CITY	259				

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
	WARWICK CITY	0				
	WAYNESBORO CITY	7				
	WILLIAMSBURG CITY	5				
	WINCHESTER CITY	3				
	WASHINGTON	66,570				
WA	ADAMS	1,894	TABLELANDS	3- 500	16-25	3-400
WA	ASOTIN	633	TABLELANDS	1-3000	16-25	3-400
WA	BENTON	1,722	OPEN-HILLS-MTNS	1-3000	16-25	3-400
WA	CHELAN	2,918	HILLS-MTNS	3000+	16-25	3-400
WA	CLALLAM	1,753	HILLS-MTNS	3000+	6-15	3-400
WA	CLARK	627	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
WA	COLUMBIA	853	OPEN-HILLS-MTNS	3- 500	16-25	3-400
WA	COWLITZ	1,144	OPEN-HILLS-MTNS	3- 500	16-25	3-400
WA	DOUGLAS	1,831	TABLELANDS	1-3000	16-25	3-400
WA	FERRY	2,202	HILLS-MTNS	1-3000	6-15	-300
WA	FRANKLIN	1,253	PLAINS	0- 300	16-25	3-400
WA	GARFIELD	709	TABLELANDS	1-3000	16-25	3-400
WA	GRANT	2,675	PLAINS	0- 300	26-35	3-400
WA	GRAYS HARBOR	1,910	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WA	ISLAND	212	TABLELANDS	3- 500	16-25	3-400
WA	JEFFERSON	1,805	HILLS-MTNS	3000+	6-15	3-400
WA	KING	2,128	TABLELANDS	3- 500	6-15	-300
WA	KITSAP	393	TABLELANDS	3- 500	16-25	3-400
WA	KITTITAS	2,317	HILLS-MTNS	3000+	16-25	3-400
WA	KLICKITAT	1,908	TABLELANDS	1-3000	16-25	3-400
WA	LEWIS	2,423	HILLS-MTNS	3000+	16-25	3-400
WA	LINCOLN	2,306	TABLELANDS	3- 500	6-15	3-400
WA	MASON	962	TABLELANDS	3- 500	6-15	3-400
WA	OKANOGAN	5,301	HILLS-MTNS	3000+	16-25	-300
WA	PACIFIC	908	HILLS-MTNS	1-3000	6-15	3-400
WA	PEND OREILLE	1,402	HILLS-MTNS	1-3000	6-15	3-400
WA	PIERCE	1,676	HILLS-MTNS	3000+	6-15	3-400
WA	SAN JUAN	179	PLAINS-HILLS-MTNS	1-3000	16-25	3-400
WA	SKAGIT	1,735	HILLS-MTNS	3000+	16-25	-300
WA	SKAMANIA	1,672	HILLS-MTNS	3000+	16-25	3-400
WA	SNOHOMISH	2,098	HILLS-MTNS	3000+	6-15	-300
WA	SPOKANE	1,758	TABLELANDS	3- 500	16-25	3-400
WA	STEVENS	2,481	HILLS-MTNS	1-3000	6-15	3-400
WA	THURSTON	714	TABLELANDS	3- 500	6-15	3-400
WA	WAHKIAKUM	261	HILLS-MTNS	1-3000	16-25	3-400
WA	WALLA WALLA	1,262	PLAINS	0- 300	16-25	3-400
WA	WHATCOM	2,126	HILLS-MTNS	3000+	16-25	-300
WA	WHITMAN	2,153	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
WA	YAKIMA	4,268	OPEN-HILLS-MTNS	1-3000	16-25	3-400
	WEST VIRGINIA	24,070				
WV	BARBOUR	341	HILLS-MTNS	5-1000	16-25	3-400
WV	BERKELEY	316	OPEN-HILLS-MTNS	1-3000	16-25	3-400
WV	BOONE	501	HILLS-MTNS	1-3000	16-25	3-400
WV	BRAXTON	511	HILLS-MTNS	5-1000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
WV	BROOKE	88	HILLS-MTNS	5-1000	16-25	3-400
WV	CABELL	279	HILLS-MTNS	5-1000	16-25	3-400
WV	CALHOUN	281	HILLS-MTNS	5-1000	16-25	3-400
WV	CLAY	343	HILLS-MTNS	5-1000	16-25	3-400
WV	DODDRIDGE	319	HILLS-MTNS	5-1000	16-25	3-400
WV	FAYETTE	663	HILLS-MTNS	1-3000	16-25	3-400
WV	GILMER	339	HILLS-MTNS	5-1000	16-25	3-400
WV	GRANT	478	OPEN-HILLS-MTNS	1-3000	16-25	3-400
WV	GREENBRIER	1,026	HILLS-MTNS	1-3000	16-25	3-400
WV	HAMPSHIRE	639	OPEN-HILLS-MTNS	1-3000	16-25	3-400
WV	HANCOCK	83	HILLS-MTNS	5-1000	16-25	3-400
WV	HARDY	585	HILLS-MTNS	1-3000	16-25	3-400
WV	HARRISON	418	HILLS-MTNS	5-1000	16-25	3-400
WV	JACKSON	461	HILLS-MTNS	3- 500	16-25	3-400
WV	JEFFERSON	211	PLAINS	0- 300	16-25	3-400
WV	KANAWHA	907	HILLS-MTNS	5-1000	16-25	3-400
WV	LEWIS	392	HILLS-MTNS	5-1000	16-25	3-400
WV	LINCOLN	438	HILLS-MTNS	5-1000	16-25	3-400
WV	LOGAN	456	HILLS-MTNS	1-3000	16-25	3-400
WV	MC DOWELL	533	HILLS-MTNS	1-3000	16-25	3-400
WV	MARION	311	HILLS-MTNS	5-1000	16-25	3-400
WV	MARSHALL	304	HILLS-MTNS	5-1000	16-25	3-400
WV	MASON	433	HILLS-MTNS	3- 500	16-25	3-400
WV	MERCER	417	HILLS-MTNS	1-3000	16-25	3-400
WV	MINERAL	330	OPEN-HILLS-MTNS	1-3000	16-25	3-400
WV	MINGO	423	HILLS-MTNS	1-3000	16-25	3-400
WV	MONONGALIA	365	HILLS-MTNS	5-1000	16-25	3-400
WV	MONROE	473	HILLS-MTNS	1-3000	16-25	3-400
WV	MORGAN	233	OPEN-HILLS-MTNS	1-3000	16-25	3-400
WV	NICHOLAS	642	HILLS-MTNS	1-3000	16-25	3-400
WV	OHIO	106	HILLS-MTNS	5-1000	16-25	3-400
WV	PENDLETON	695	HILLS-MTNS	1-3000	16-25	3-400
WV	PLEASANTS	129	HILLS-MTNS	3- 500	16-25	3-400
WV	POCAHONTAS	943	HILLS-MTNS	1-3000	16-25	3-400
WV	PRESTON	645	OPEN-HILLS-MTNS	1-3000	16-25	3-400
WV	PUTNAM	348	HILLS-MTNS	3- 500	16-25	3-400
WV	RALEIGH	605	HILLS-MTNS	1-3000	16-25	3-400
WV	RANDOLPH	1,036	HILLS-MTNS	1-3000	16-25	3-400
WV	RITCHIE	452	HILLS-MTNS	5-1000	16-25	3-400
WV	ROANE	486	HILLS-MTNS	5-1000	16-25	3-400
WV	SUMMERS	350	HILLS-MTNS	1-3000	16-25	3-400
WV	TAYLOR	174	HILLS-MTNS	5-1000	16-25	3-400
WV	TUCKER	421	OPEN-HILLS-MTNS	1-3000	16-25	3-400
WV	TYLER	256	HILLS-MTNS	5-1000	16-25	3-400
WV	UPSHUR	352	HILLS-MTNS	5-1000	16-25	3-400
WV	WAYNE	513	HILLS-MTNS	5-1000	16-25	3-400
WV	WEBSTER	551	HILLS-MTNS	1-3000	16-25	3-400
WV	WETZEL	363	HILLS-MTNS	5-1000	16-25	3-400
WV	WIRT	235	HILLS-MTNS	5-1000	16-25	3-400

STATE AND COUNTY		LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
WV	WOOD	368	HILLS-MTNS	3- 500	16-25	3-400
WV	WYOMING	504	HILLS-MTNS	1-3000	16-25	3-400
	WISCONSIN	54,464				
WI	ADAMS	646	PLAINS	0- 300	6-15	3-400
WI	ASHLAND	1,038	PLAINS	0- 300	6-15	3-400
WI	BARRON	864	PLAINS	0- 300	6-15	3-400
WI	BAYFIELD	1,460	PLAINS	0- 300	6-15	3-400
WI	BROWN	524	PLAINS	0- 300	6-15	3-400
WI	BUFFALO	711	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	BURNETT	840	PLAINS	0- 300	6-15	3-400
WI	CALUMET	322	PLAINS	0- 300	6-15	3-400
WI	CHIPPEWA	1,018	PLAINS	0- 300	6-15	3-400
WI	CLARK	1,221	PLAINS	0- 300	6-15	3-400
WI	COLUMBIA	776	PLAINS	0- 300	6-15	3-400
WI	CRAWFORD	568	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	DANE	1,198	PLAINS	0- 300	6-15	3-400
WI	DODGE	889	PLAINS	0- 300	6-15	3-400
WI	DOOR	492	PLAINS	0- 300	6-15	3-400
WI	DOUGLAS	1,305	PLAINS	0- 300	6-15	3-400
WI	DUNN	853	PLAINS	0- 300	6-15	3-400
WI	EAU CLAIRE	647	PLAINS	0- 300	6-15	3-400
WI	FLORENCE	487	PLAINS	0- 300	6-15	3-400
WI	FOND DU LAC	725	PLAINS	0- 300	6-15	3-400
WI	FOREST	1,007	PLAINS	0- 300	6-15	3-400
WI	GRANT	1,147	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	GREEN	585	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	GREEN LAKE	354	PLAINS	0- 300	6-15	3-400
WI	IOWA	762	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	IRON	747	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	JACKSON	999	PLAINS	0- 300	6-15	3-400
WI	JEFFERSON	564	PLAINS	0- 300	6-15	3-400
WI	JUNEAU	774	PLAINS	0- 300	6-15	3-400
WI	KENOSHA	272	PLAINS	0- 300	6-15	3-400
WI	KEWAUNEE	330	PLAINS	0- 300	6-15	3-400
WI	LA CROSSE	451	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	LAFAYETTE	643	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	LANGLADE	856	PLAINS	0- 300	6-15	3-400
WI	LINCOLN	892	PLAINS	0- 300	6-15	3-400
WI	MANITOWOC	590	PLAINS	0- 300	6-15	3-400
WI	MARATHON	1,586	PLAINS	0- 300	6-15	3-400
WI	MARINETTE	1,378	PLAINS	0- 300	6-15	3-400
WI	MARQUETTE	455	PLAINS	0- 300	6-15	3-400
WI	MENOMINEE	360	PLAINS	0- 300	6-15	3-400
WI	MILWAUKEE	237	PLAINS	0- 300	6-15	3-400
WI	MONROE	915	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	OCONTO	1,001	PLAINS	0- 300	6-15	3-400
WI	ONEIDA	1,112	PLAINS	0- 300	6-15	3-400
WI	OUTAGAMIE	634	PLAINS	0- 300	6-15	3-400
WI	OZAUKEE	236	PLAINS	0- 300	6-15	3-400

STATE	AND COUNTY	LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
WI	PEPIN	235	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	PIERCE	590	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	POLK	931	PLAINS	0- 300	6-15	3-400
WI	PORTAGE	806	PLAINS	0- 300	6-15	3-400
WI	PRICE	1,260	PLAINS	0- 300	6-15	3-400
WI	RACINE	337	PLAINS	0- 300	6-15	3-400
WI	RICHLAND	583	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	ROCK	721	PLAINS	0- 300	6-15	3-400
WI	RUSK	906	PLAINS	0- 300	6-15	3-400
WI	ST CROIX	734	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	SAUK	841	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	SAWYER	1,259	PLAINS	0- 300	6-15	3-400
WI	SHAWANO	919	PLAINS	0- 300	6-15	3-400
WI	SHEBOYGAN	505	PLAINS	0- 300	6-15	3-400
WI	TAYLOR	975	PLAINS	0- 300	6-15	3-400
WI	TREMPEALEAU	735	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	VERNON	802	OPEN-HILLS-MTNS	3- 500	6-15	3-400
WI	VILAS	867	PLAINS	0- 300	6-15	3-400
WI	WALWORTH	557	PLAINS	0- 300	6-15	3-400
WI	WASHBURN	817	PLAINS	0- 300	6-15	3-400
WI	WASHINGTON	429	PLAINS	0- 300	6-15	3-400
WI	WAUKESHA	554	PLAINS	0- 300	6-15	3-400
WI	WAUPACA	751	PLAINS	0- 300	6-15	3-400
WI	WAUSHARA	627	PLAINS	0- 300	6-15	3-400
WI	WINNEBAGO	448	PLAINS	0- 300	6-15	3-400
WI	WOOD	807	PLAINS	0- 300	6-15	3-400
	WYOMING	97,203				
WY	ALBANY	4,248	PLAINS	0- 300	6-15	4-500
WY	BIG HORN	3,157	HILLS-MTNS	3000+	16-25	4-500
WY	CAMPBELL	4,756	PLAINS-HILLS-MTNS	3- 500	16-25	
WY	CARBON	7,905	PLAINS-HILLS-MTNS	5-1000	6-15	4-500
WY	CONVERSE	4,281	TABLELANDS	3- 500	6-15	4-500
WY	CROOK	2,882	PLAINS	0- 300	16-25	3-400
WY	FREMONT	9,196	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
WY	GOSHEN	2,228	PLAINS	0- 300	6-15	3-400
WY	HOT SPRINGS	2,022	OPEN-HILLS-MTNS	5-1000	16-25	4-500
WY	JOHNSON	4,175	PLAINS-HILLS-MTNS	3- 500	16-25	4-500
WY	LARAMIE	2,703	PLAINS	0- 300	6-15	3-400
WY	LINCOLN	4,085	PLAINS-HILLS-MTNS	3- 500	16-25	3-400
WY	NATRONA	5,342	TABLELANDS	3- 500	6-15	4-500
WY	NIOBRARA	2,614	TABLELANDS	3- 500	6-15	3-400
WY	PARK	6,959	PLAINS-HILLS-MTNS	5-1000	16-25	3-400
WY	PLATTE	2,086	PLAINS-HILLS-MTNS	3- 500	6-15	4-500
WY	SHERIDAN	2,532	OPEN-HILLS-MTNS	5-1000	16-25	4-500
WY	SUBLETTE	4,851	HILLS-MTNS	3000+	16-25	4-500
WY	SWEETWATER	10,429	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
WY	TETON	4,000	HILLS-MTNS	3000+	16-25	3-400
WY	UINTA	2,086	PLAINS-HILLS-MTNS	1-3000	16-25	4-500
WY	WASHAKIE	2,262	PLAINS-HILLS-MTNS	3- 500	16-25	4-500

STATE AND COUNTY	LAND AREA 1975	LAND SURFACE FORMS	LOCAL RELIEF	FREQ OF INSTABILITY	SOLAR RADIAT
WY WESTON	2,407	HILLS-MTNS	3000+	16-25	3-400
YELLOWSTONE NAT. PARK	0				

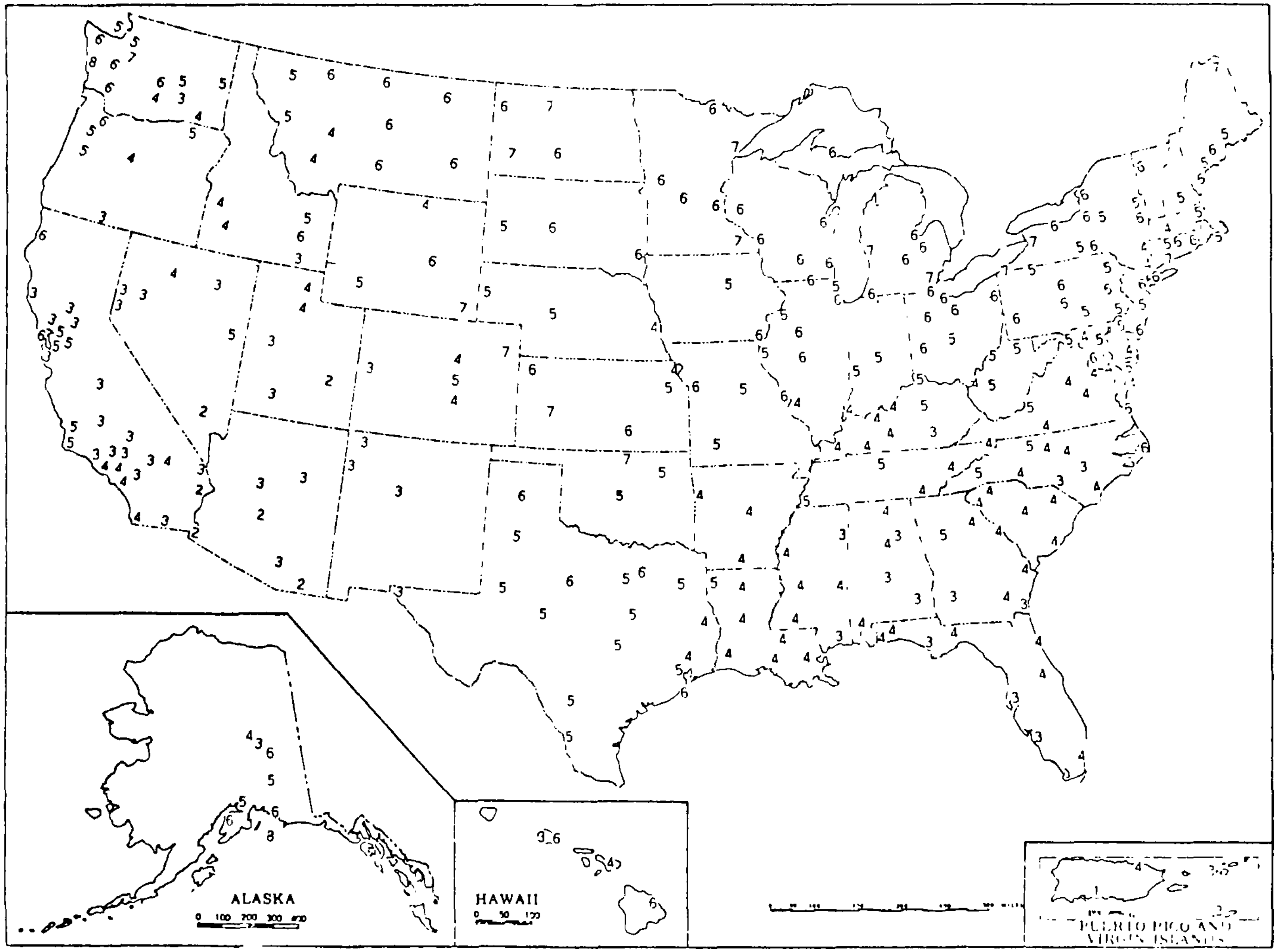


Figure H- I. PERCENT FREQUENCY · NEUTRAL CATEGORY · ANNUAL

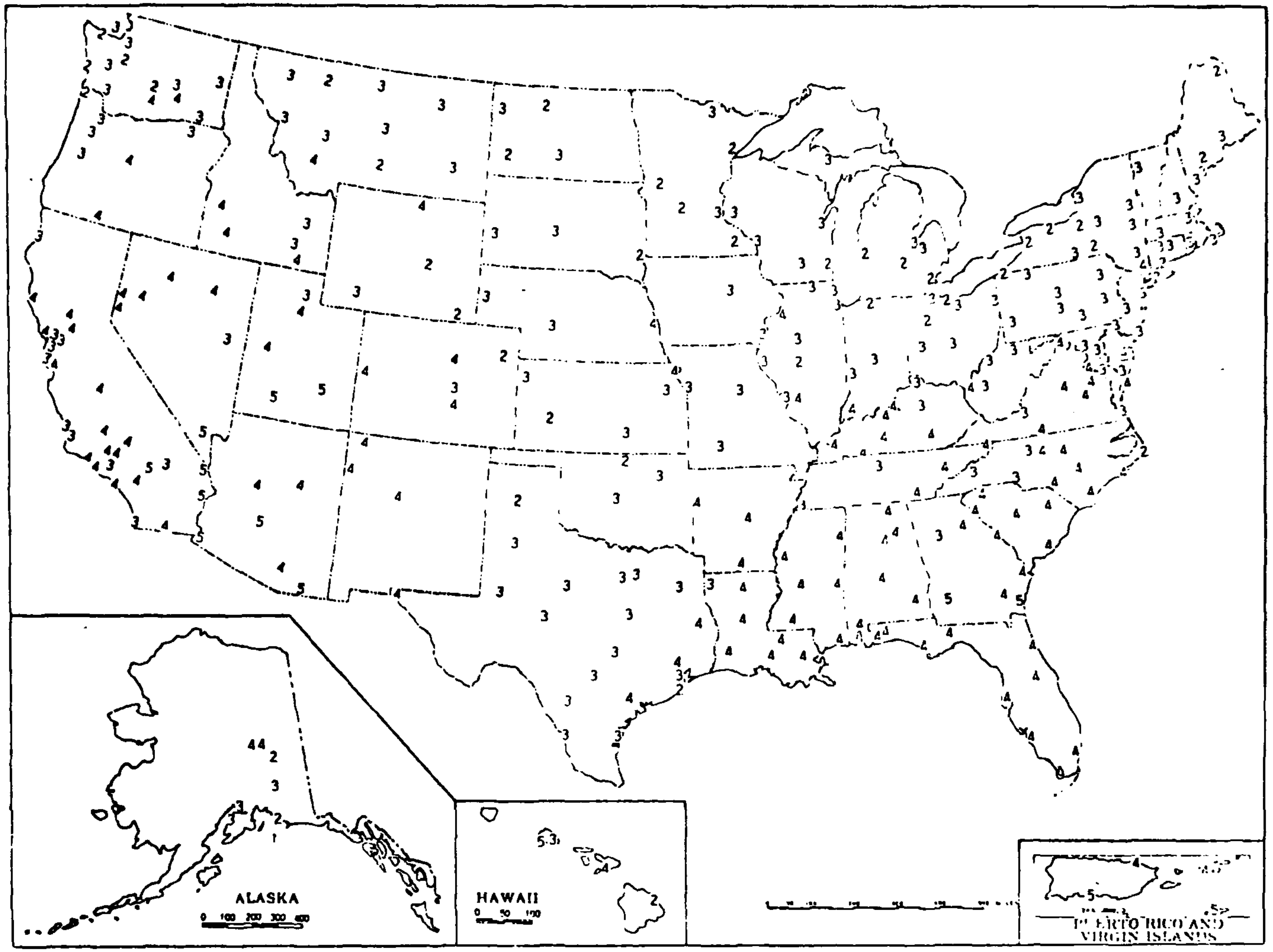


Figure H-2. PERCENT FREQUENCY - STABLE CATEGORY - ANNUAL

KEY

CODE VALUE	RANGE OF PERCENT FREQUENCY
0	0 - 5
1	6 - 15
2	16 - 25
3	26 - 35
4	36 - 45
5	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
9	86 - 95
10	96 - 100

Reference: Doty, S.R. et al, <u>A Climmatological Analysis of Pasquill Stability Categories Based on 'STAR' Summaries</u>, National Climatic Center, April 1976

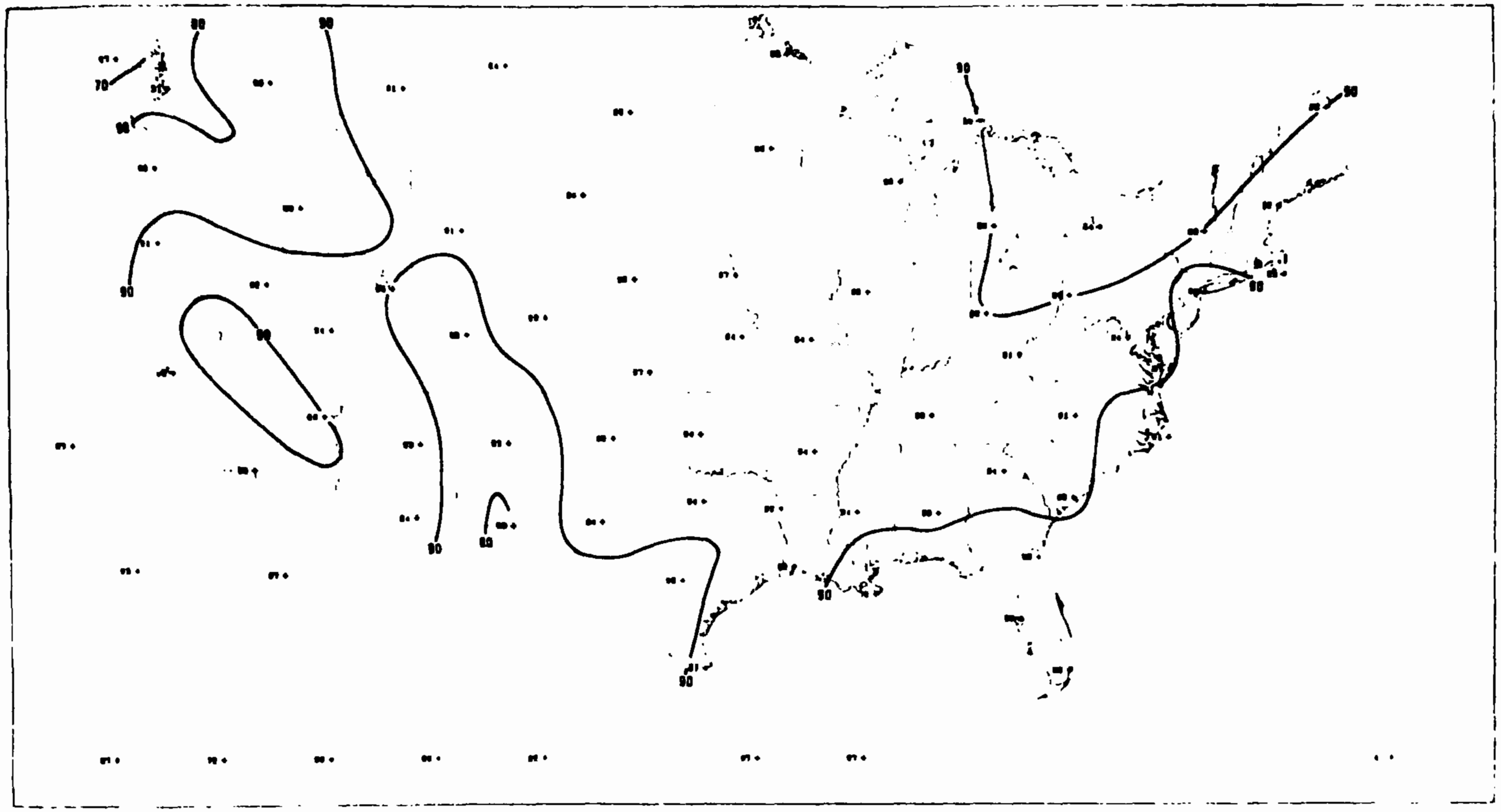


Figure II-3. Percentage of all 1115 GMT soundings with a surface-based or elevated inversion below 3000 m AGL

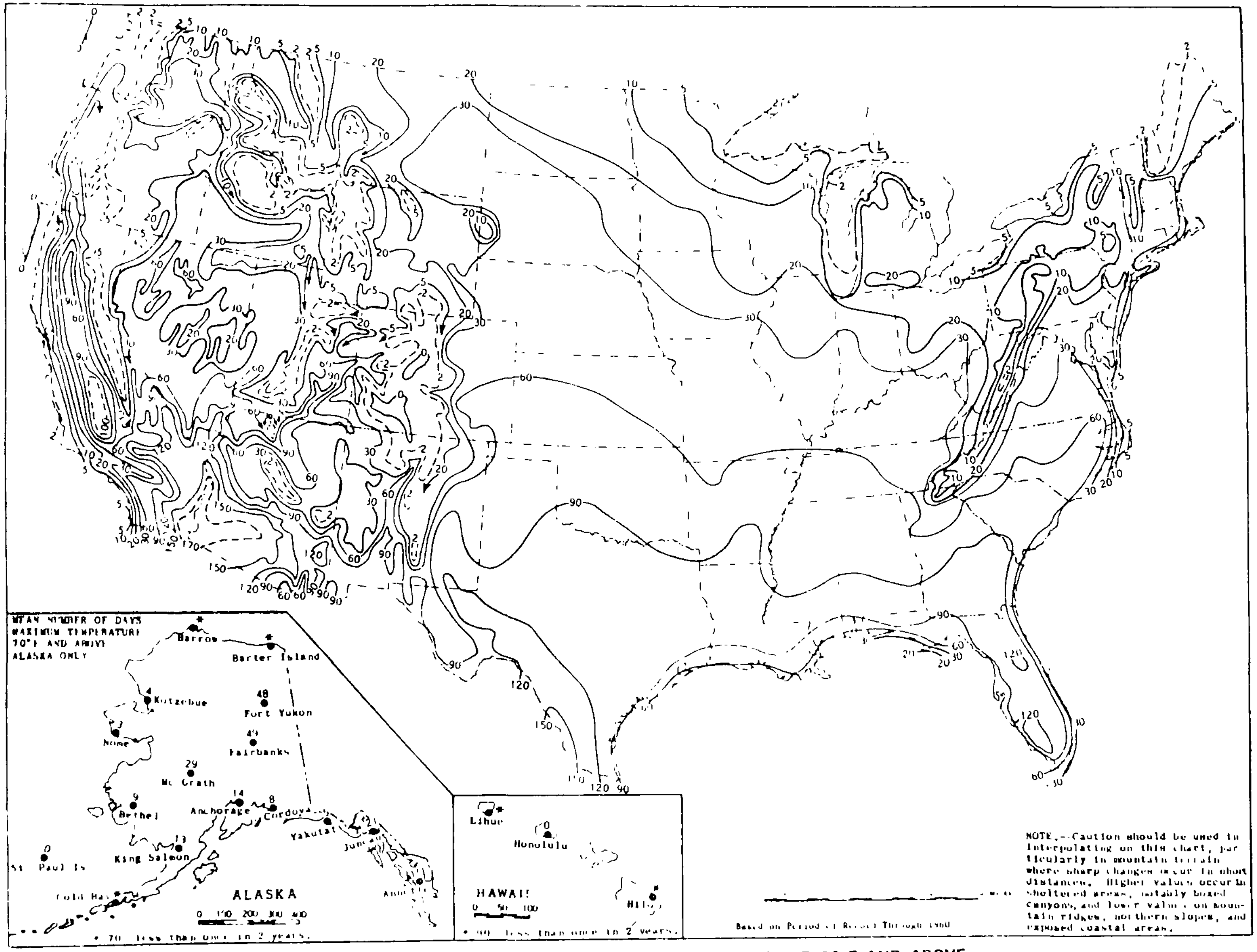
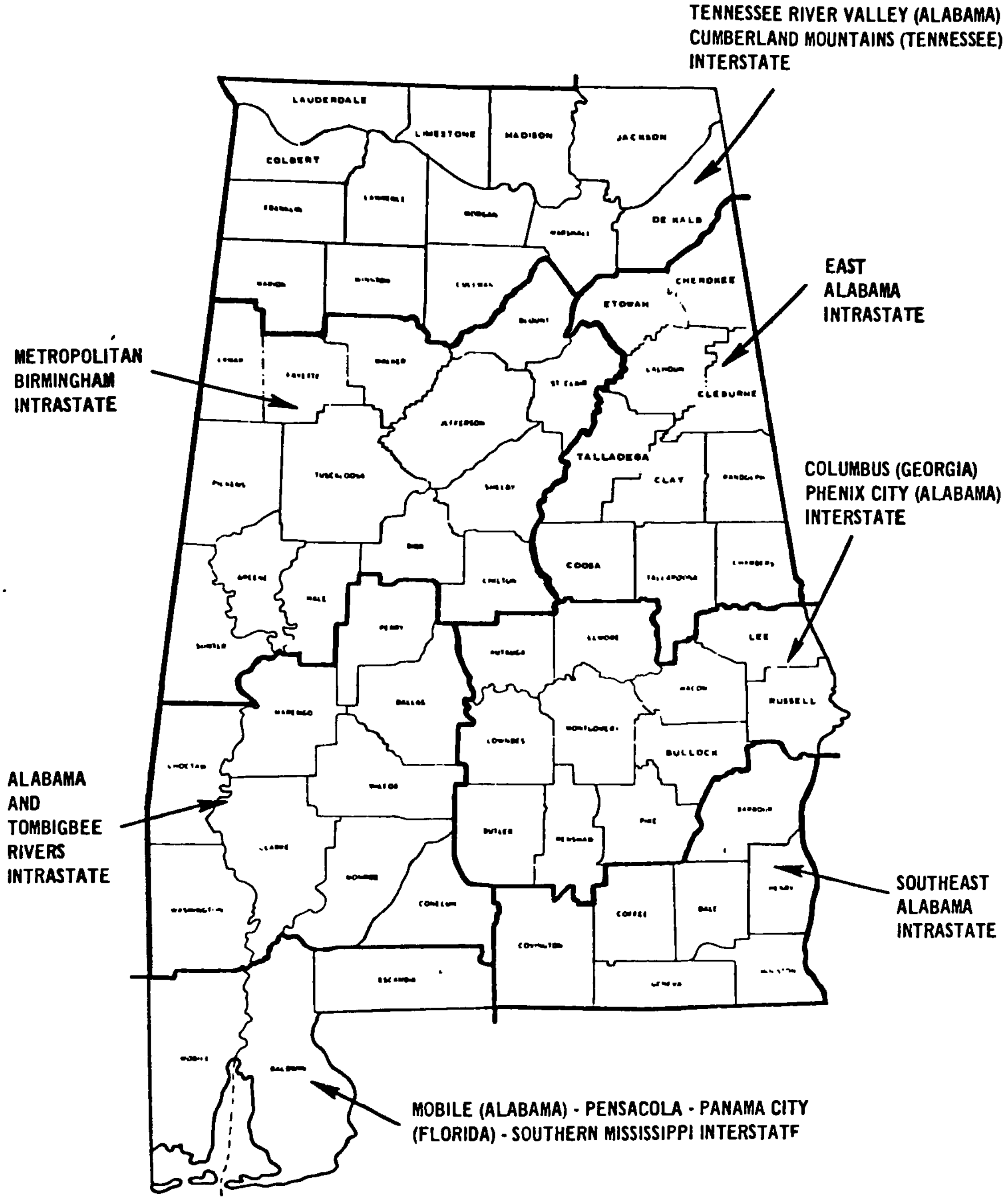
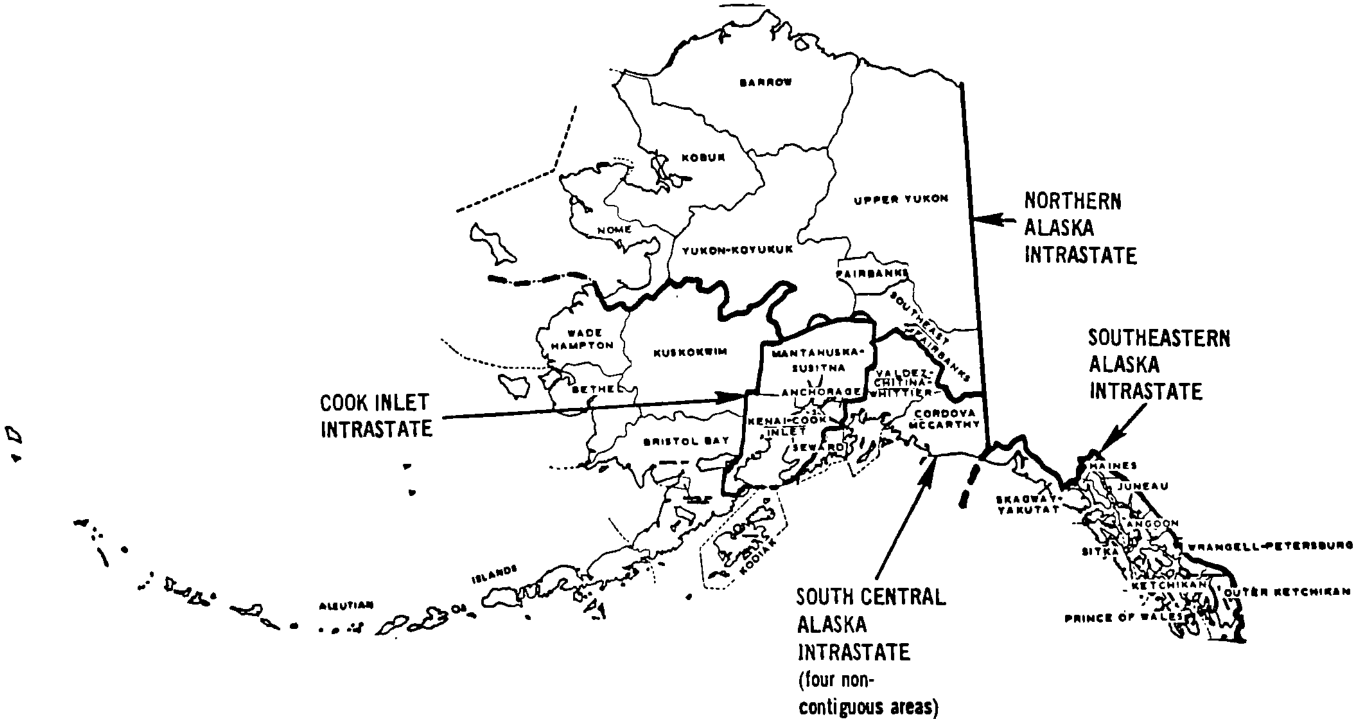


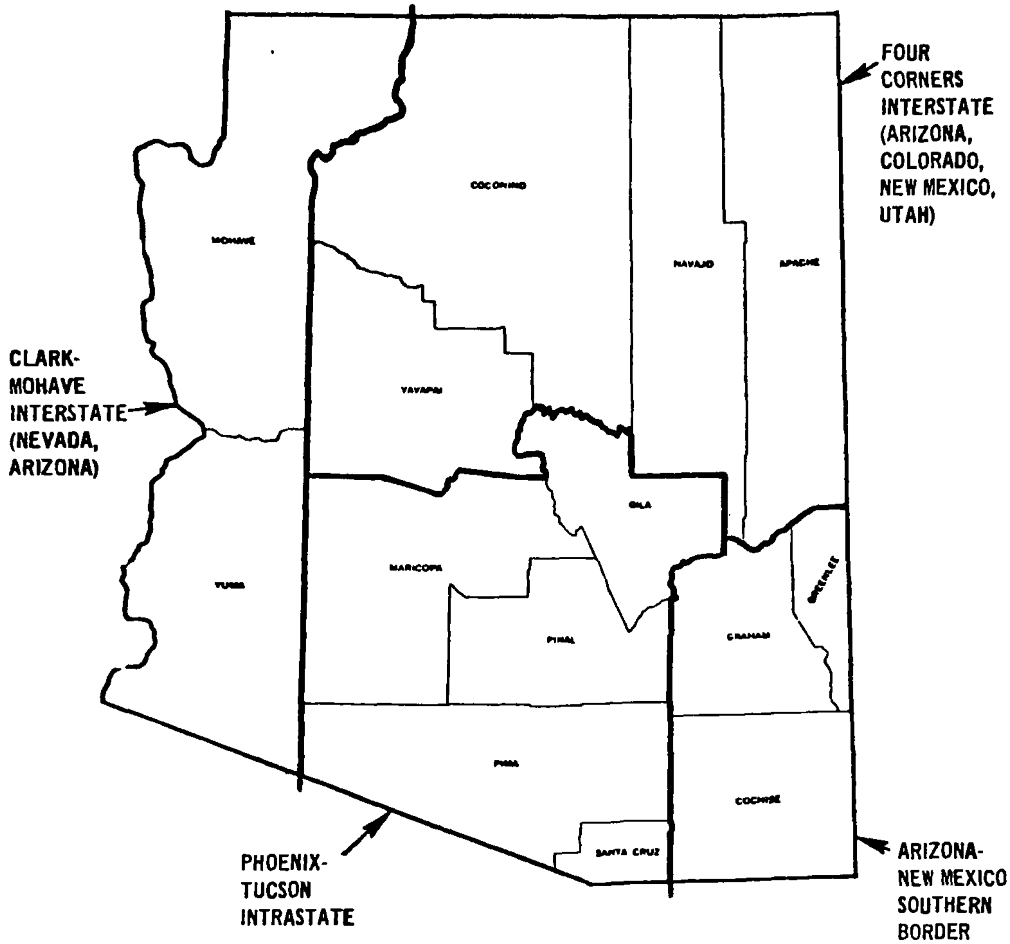
Figure H–4. MEAN ANNUAL NUMBER OF DAYS MAXIMUM TEMPERATURE 90°F AND ABOVE
Except 70° and Above in Alaska



Air Quality Control Regions in Alabama.

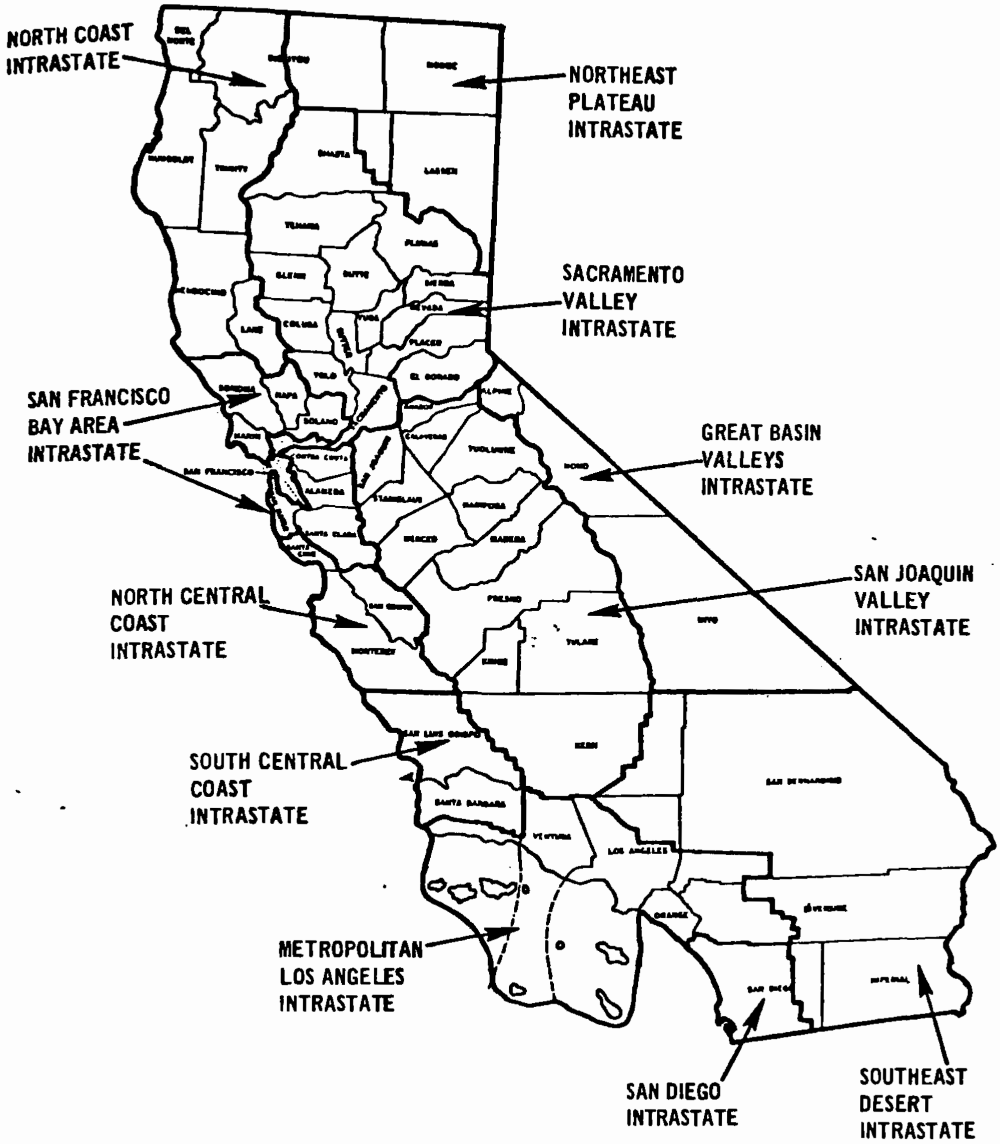


Air Quality Control Regions In Alaska.

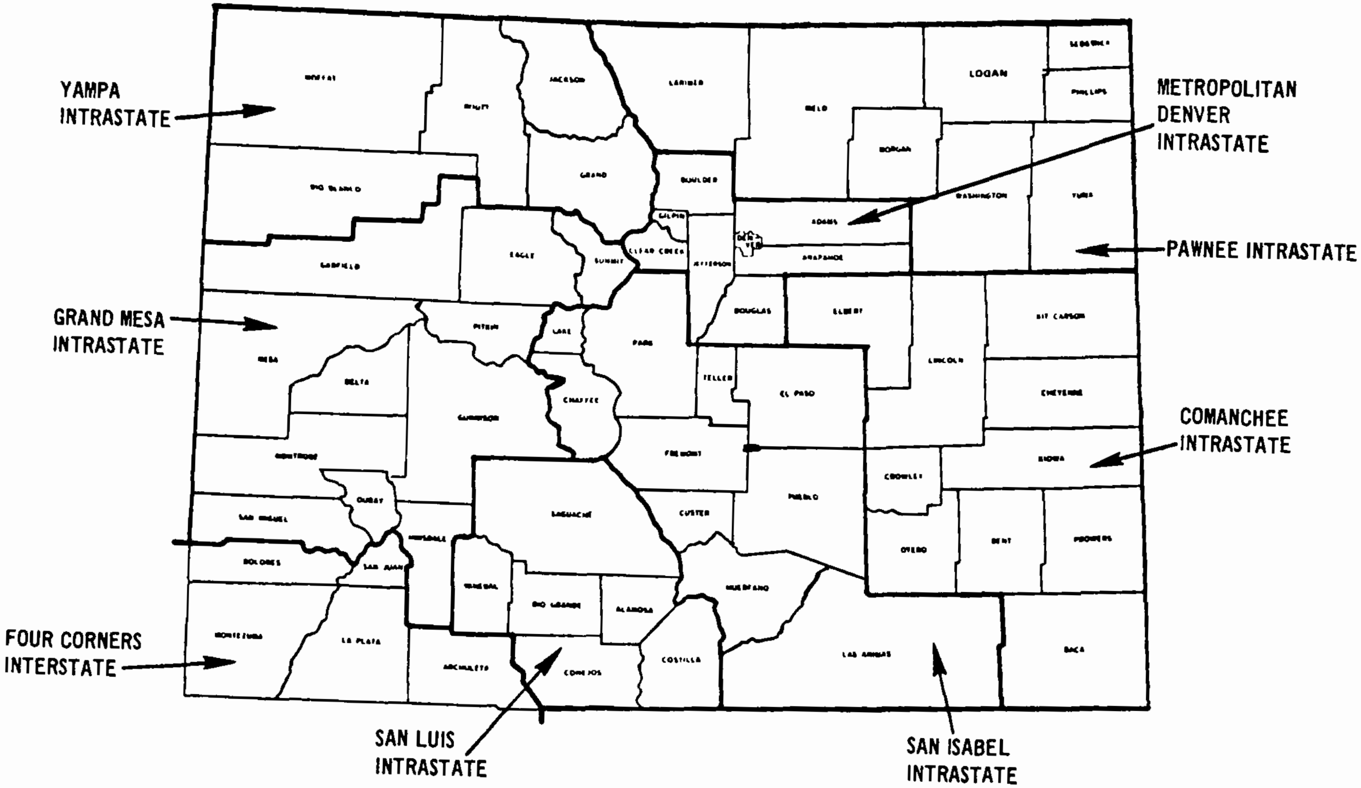


Air Quality Control Regions in Arizona.

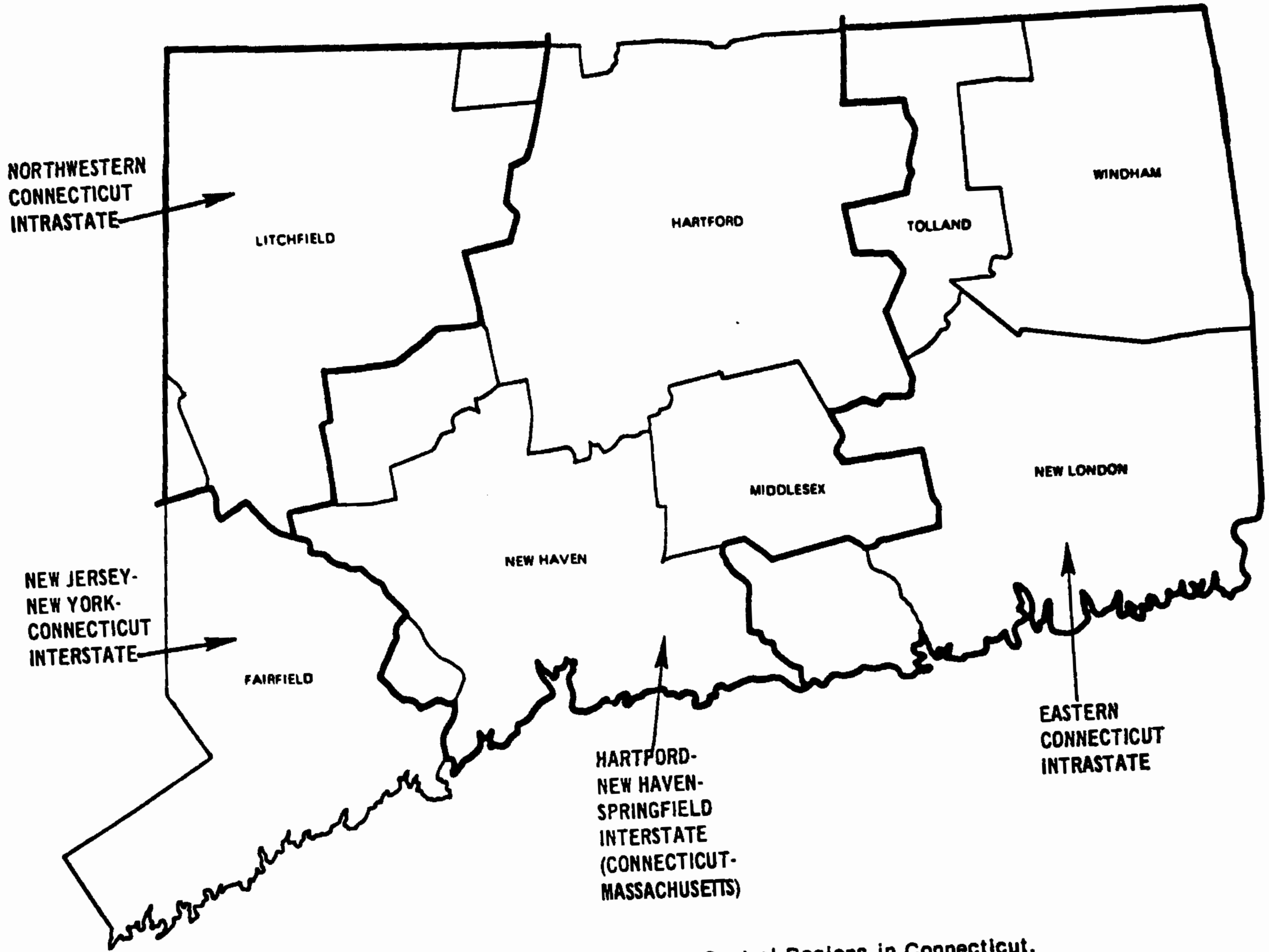
Air Quality Control Regions in Arkansas.



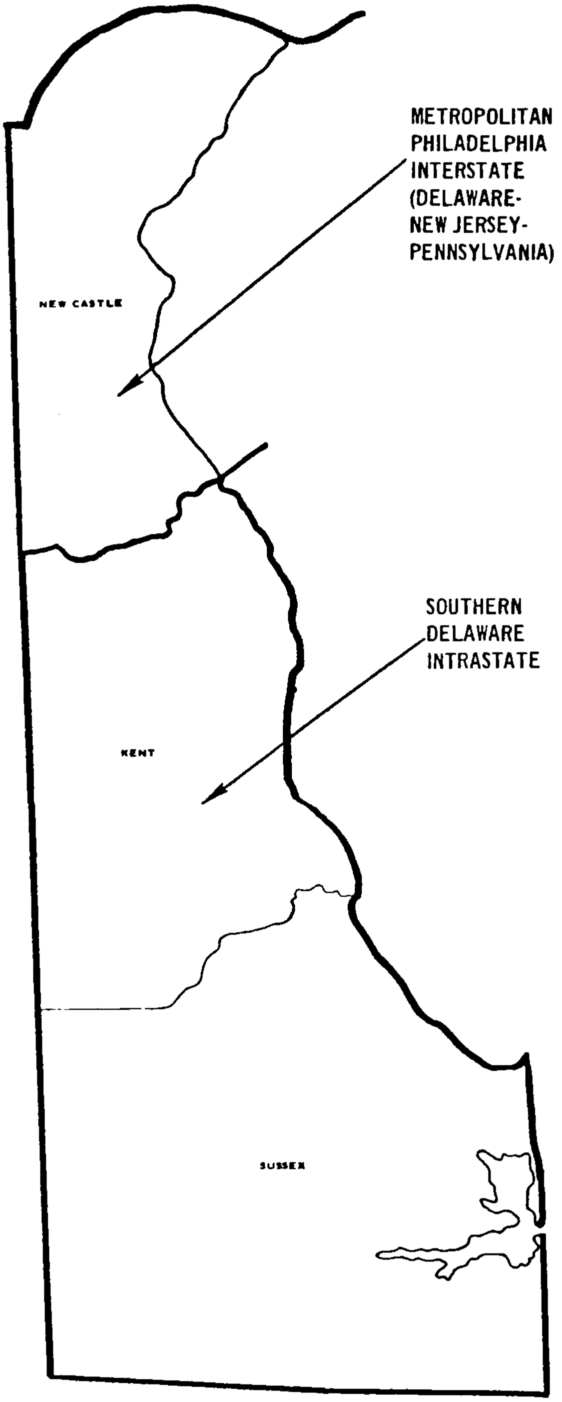
Air Quality Control Regions in California.



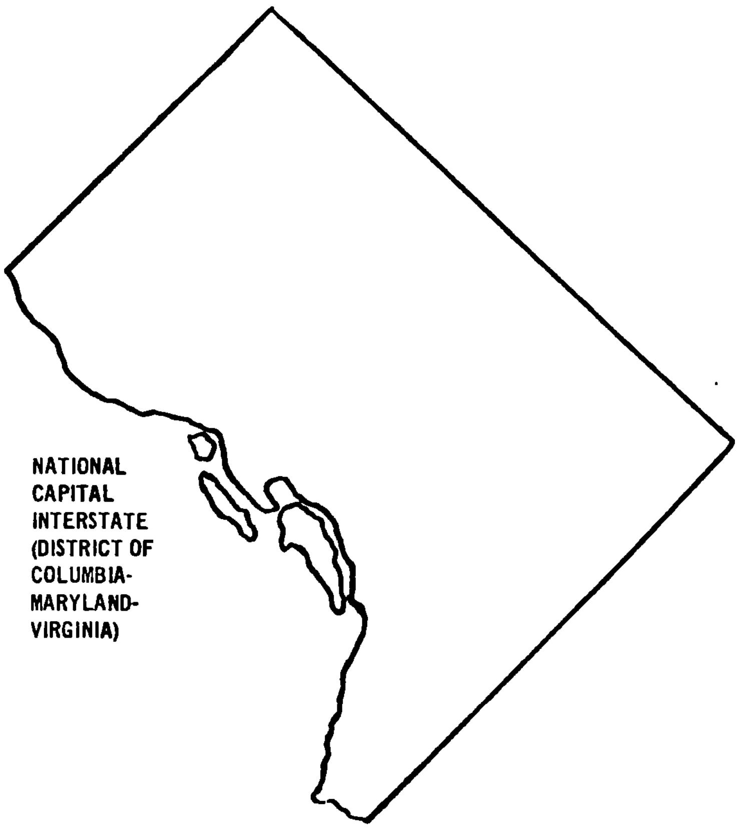
Air Quality Control Regions in Colorado.



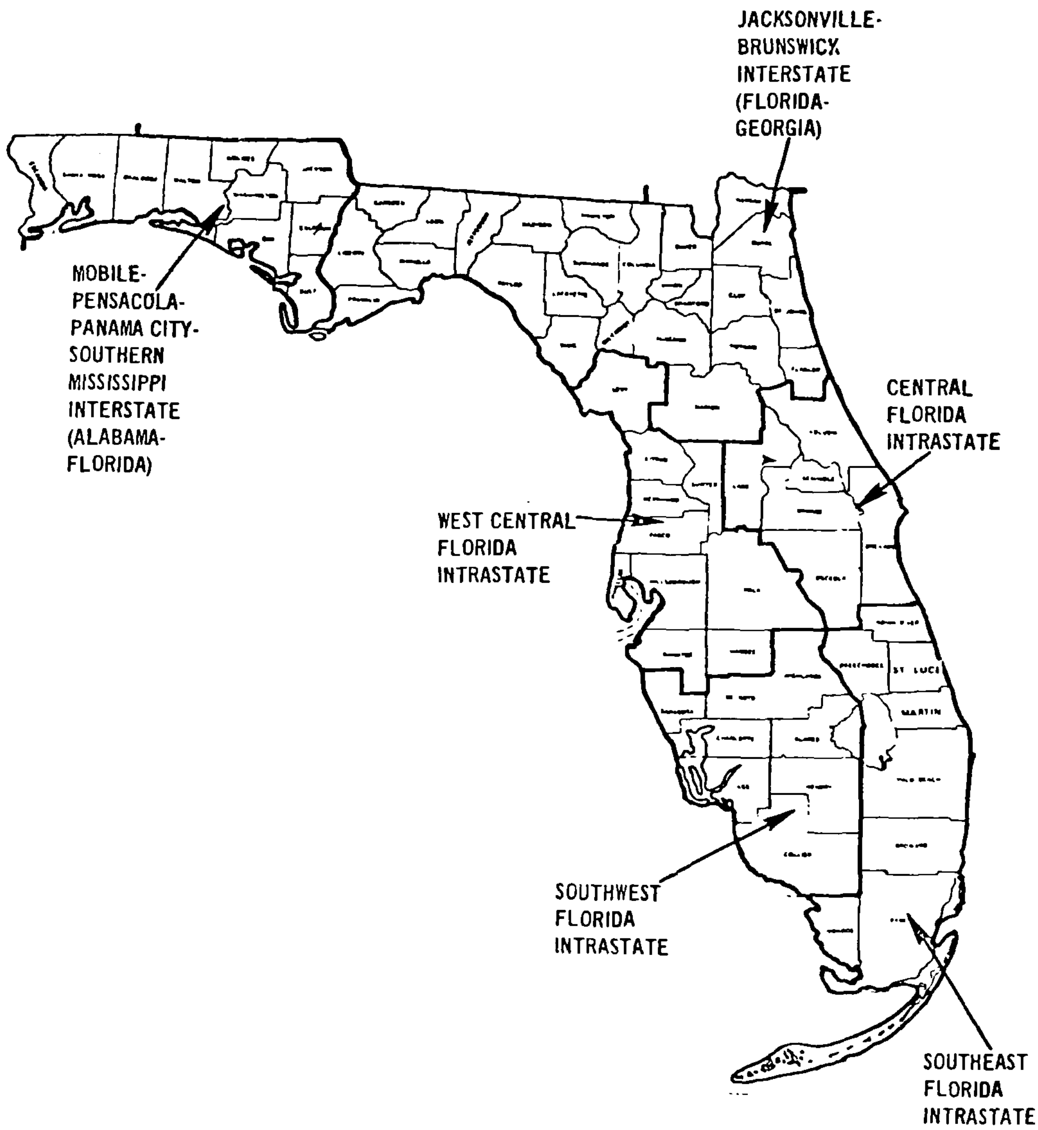
Air Quality Control Regions in Connecticut.



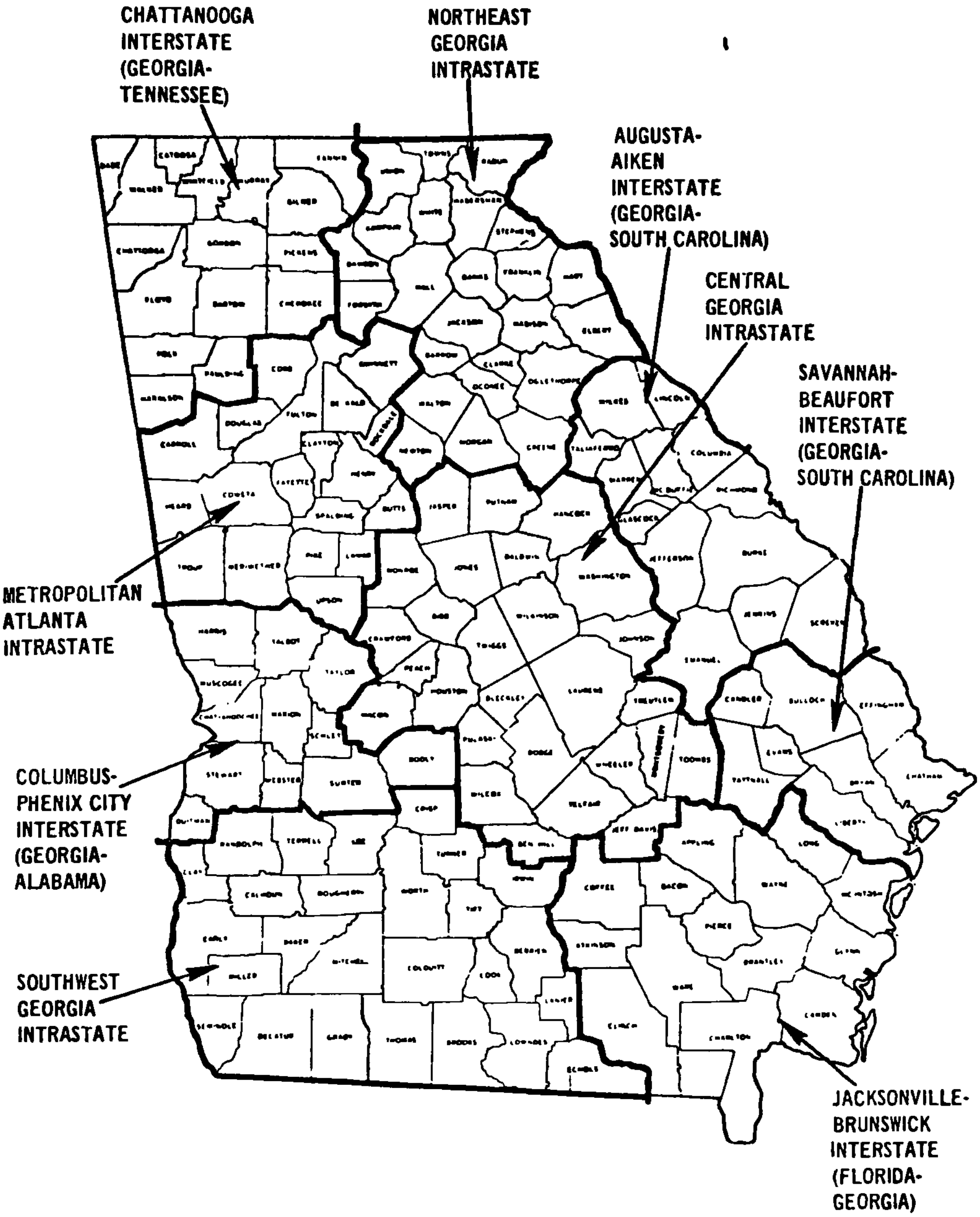
Air Quality Control Regions in Delaware.



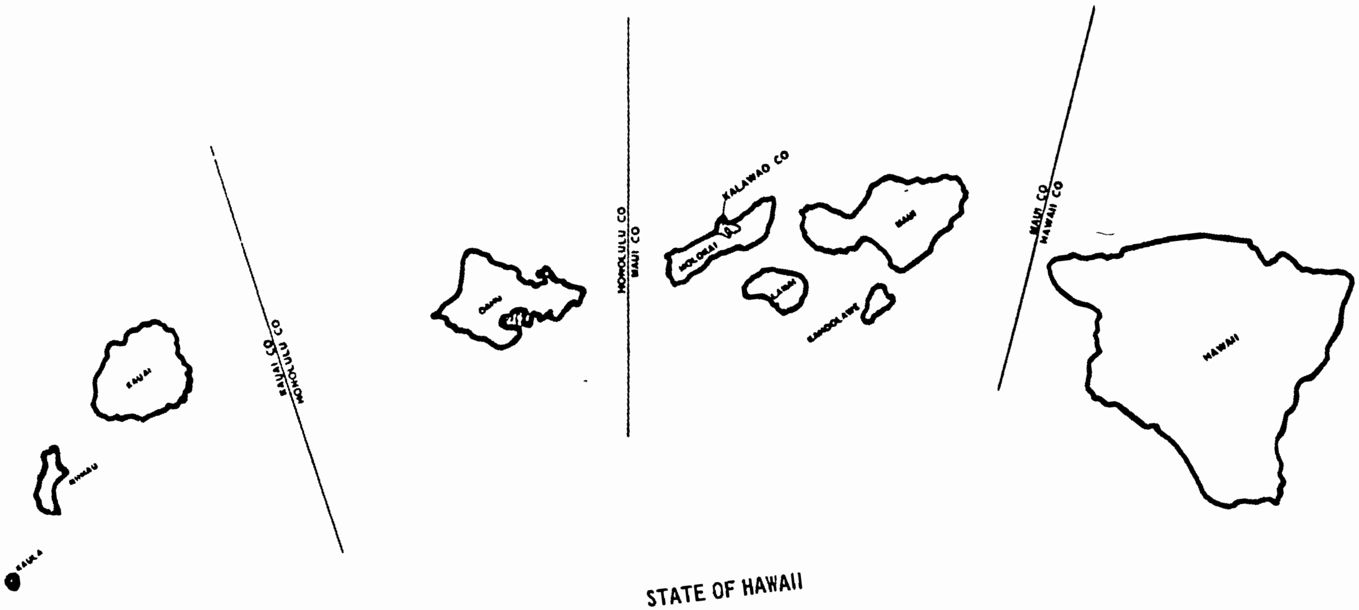
Air Quality Control Region in the District of Columbia.



Air Quality Control Regions in Florida.

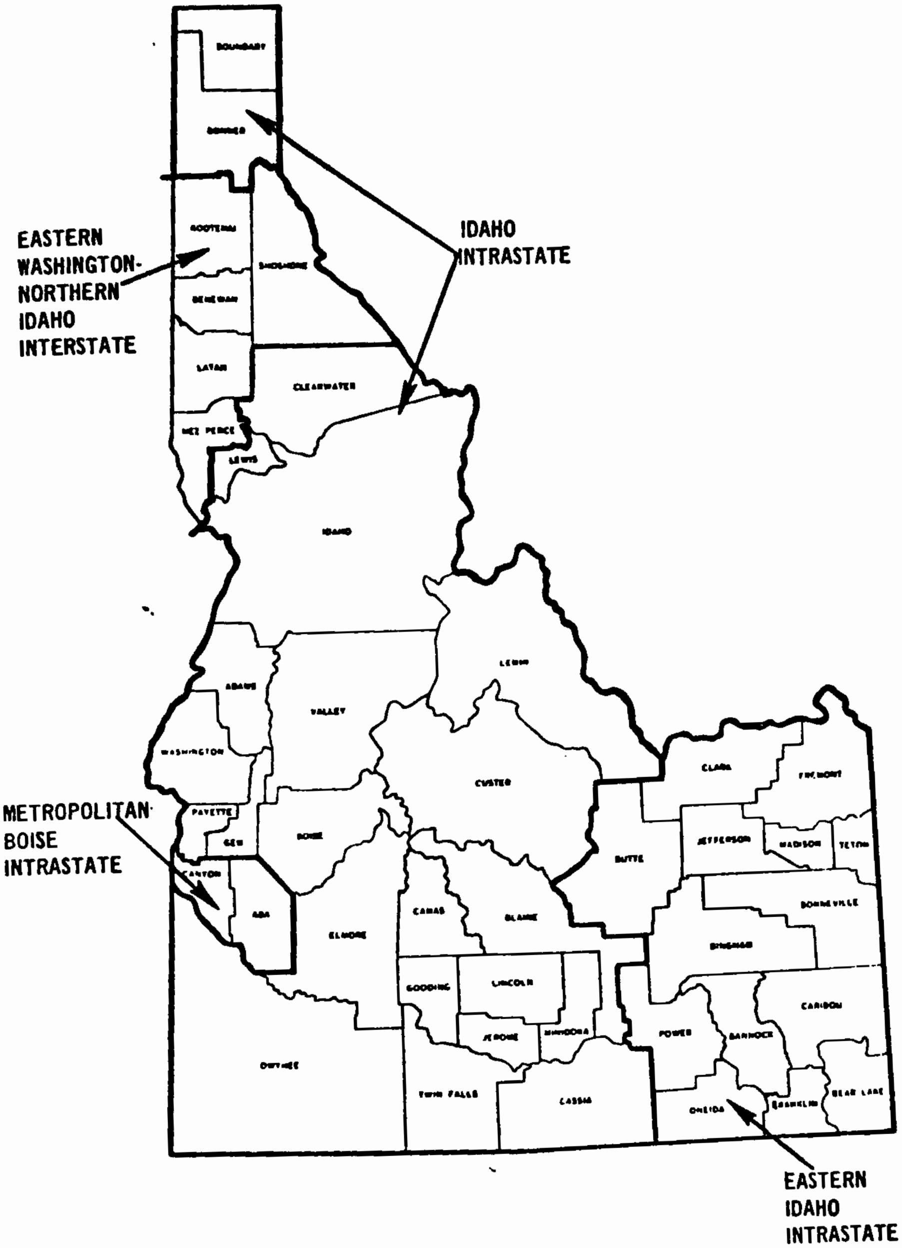


Air Quality Control Regions in Georgia.

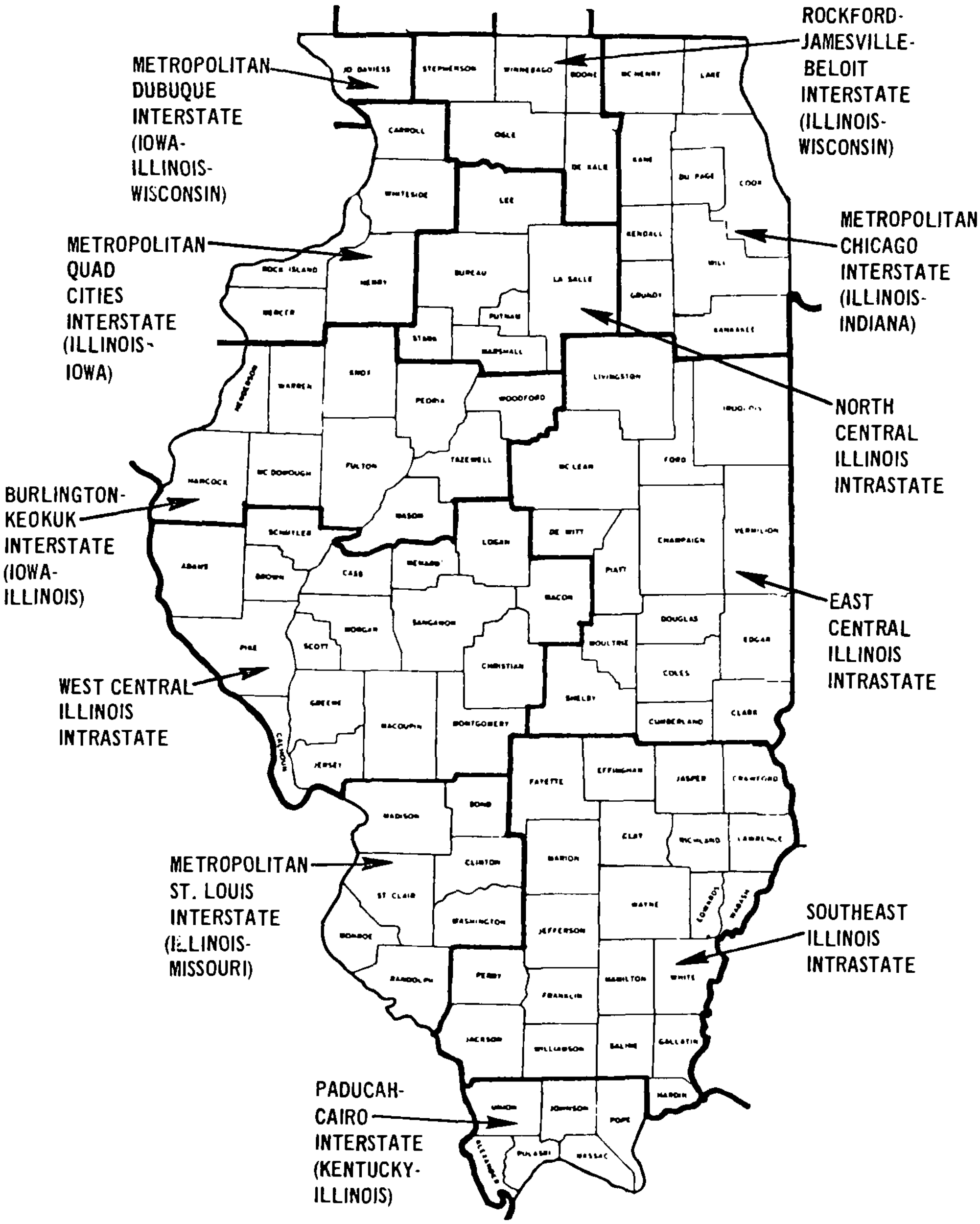


STATE OF HAWAII

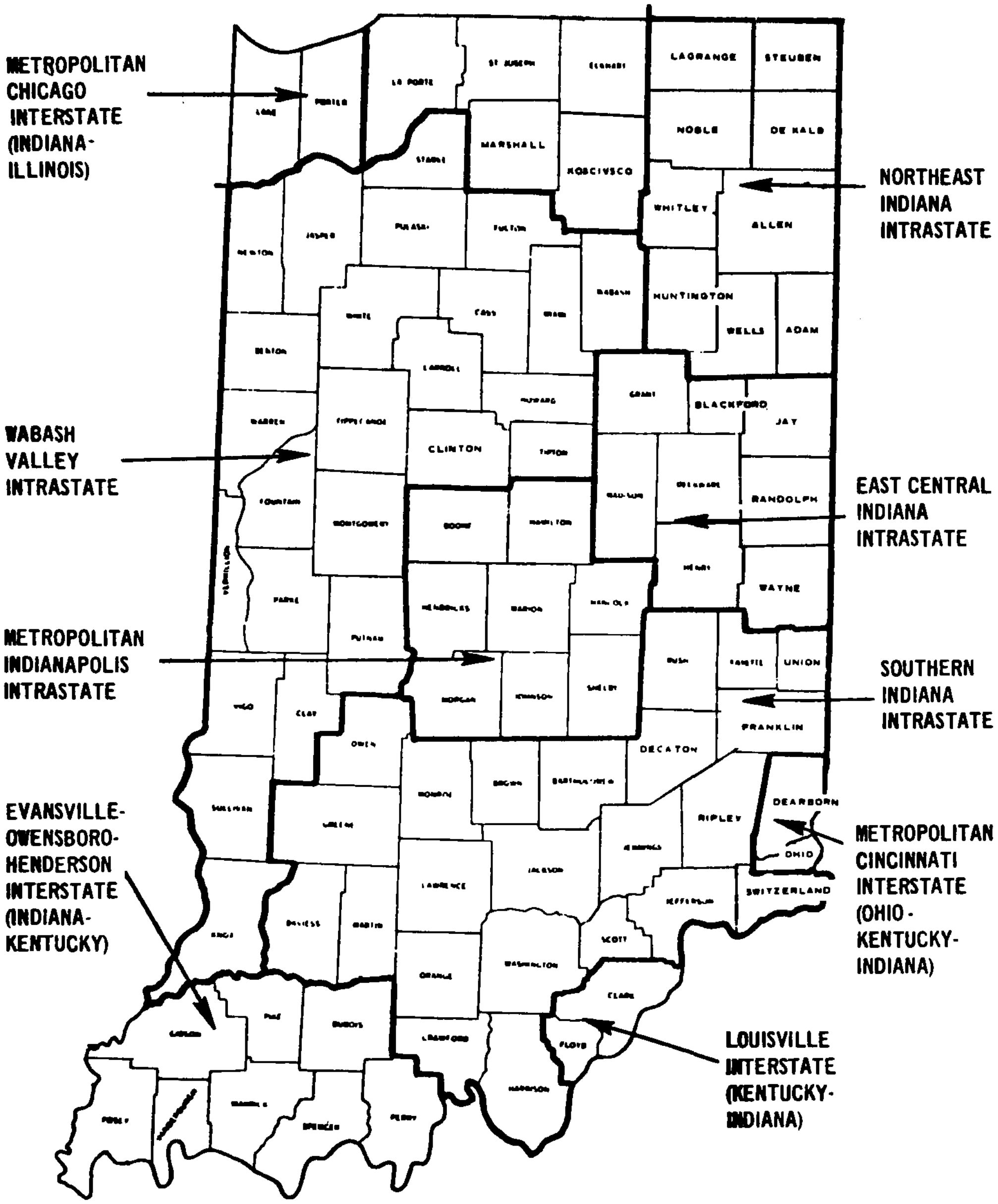
Air Quality Control Region in Hawaii (principal islands).



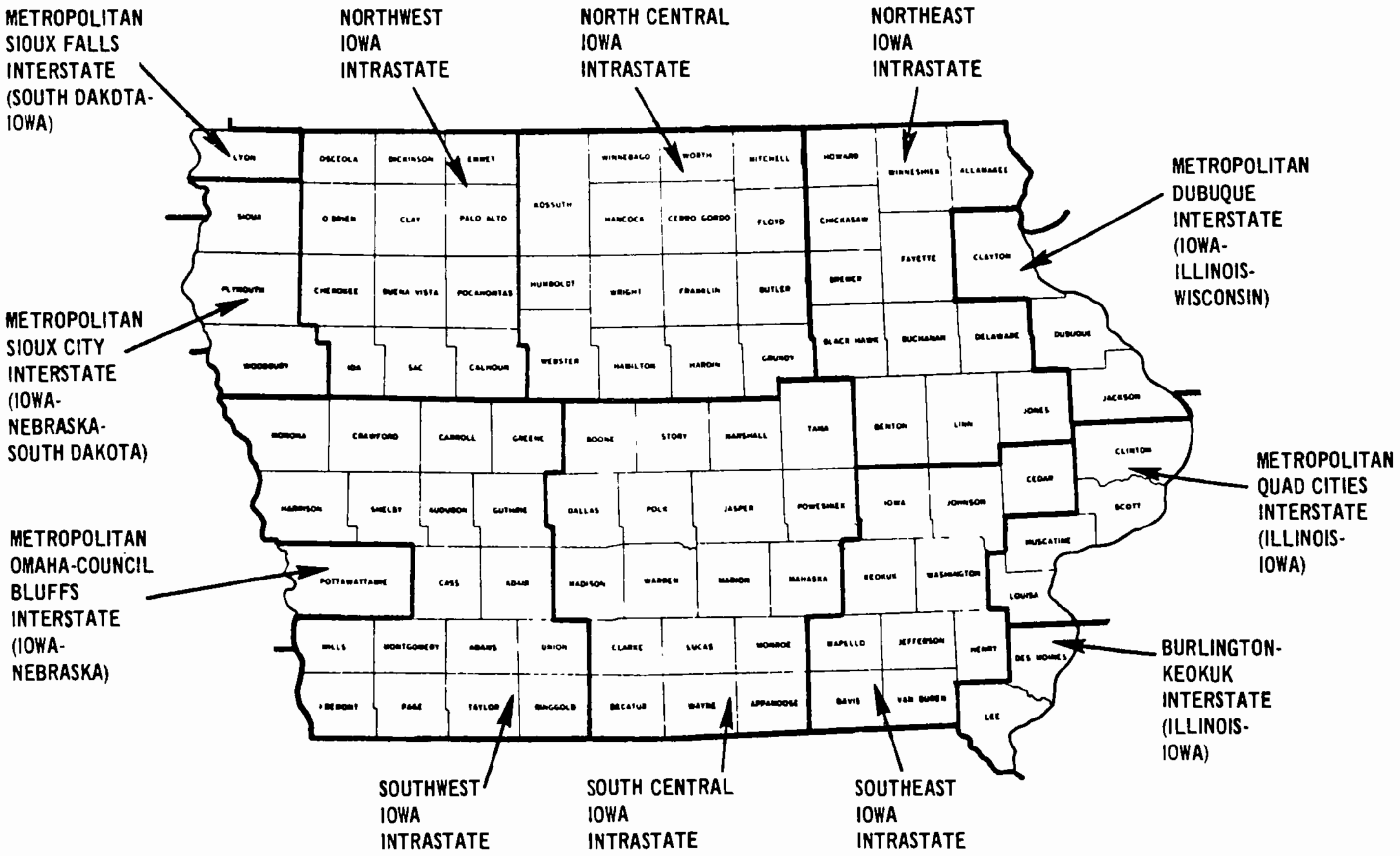
Air Quality Control Regions in Idaho.



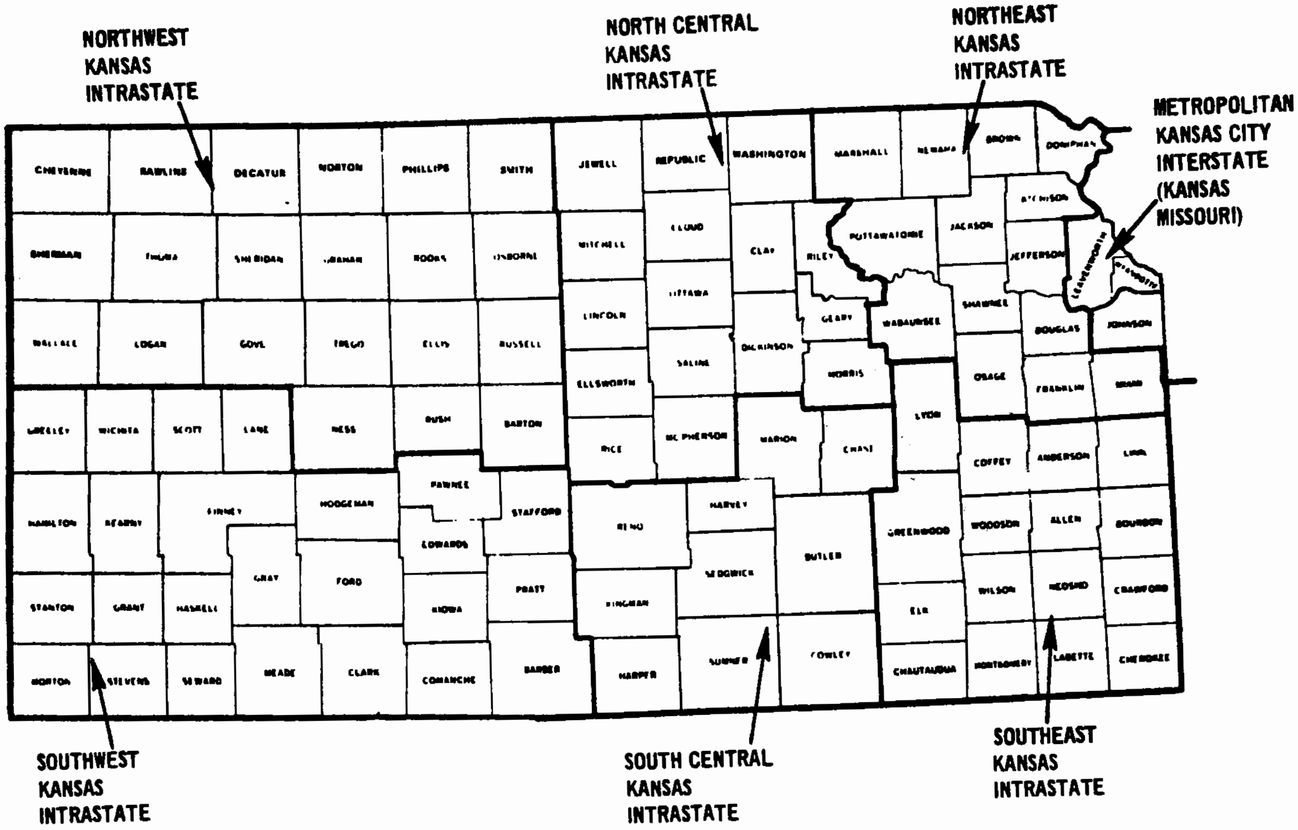
Air Quality Control Regions in Illinois.



Air Quality Control Regions in Indiana.



Air Quality Control Regions in Iowa.



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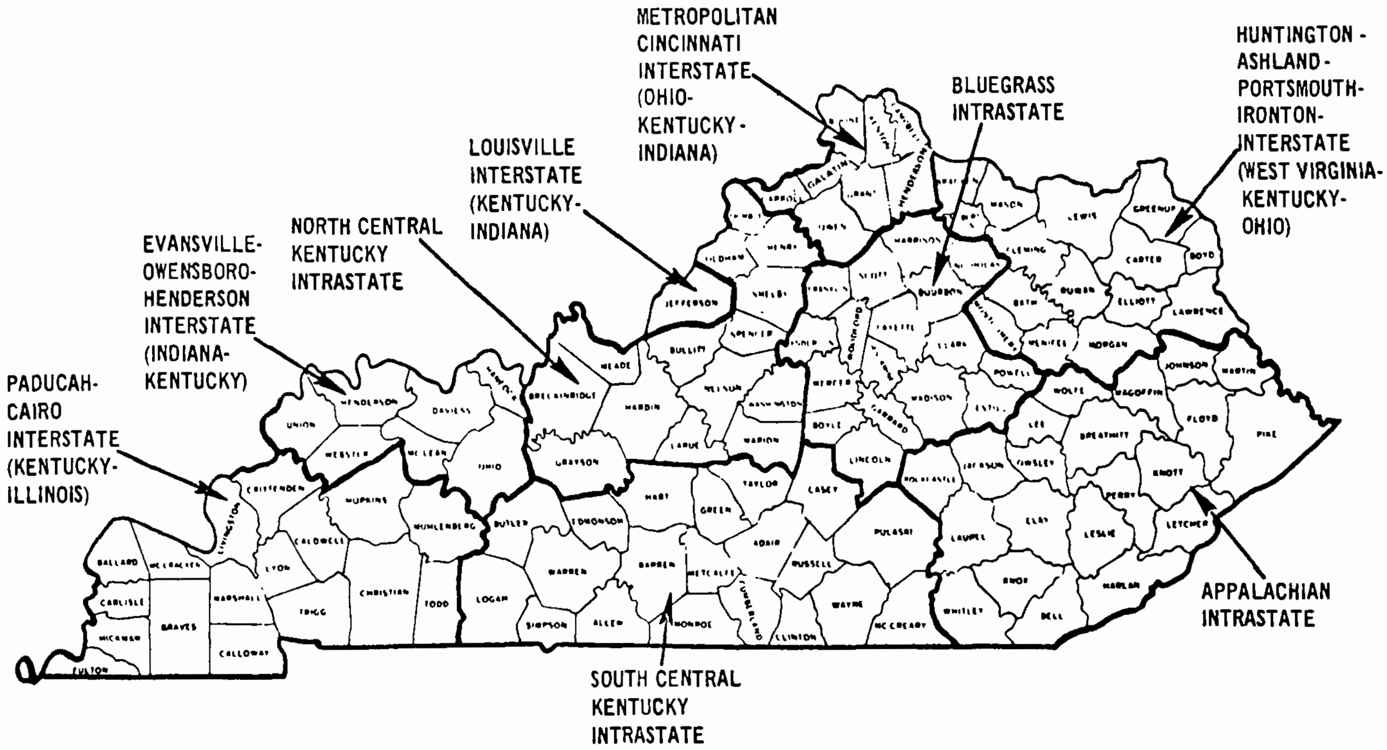

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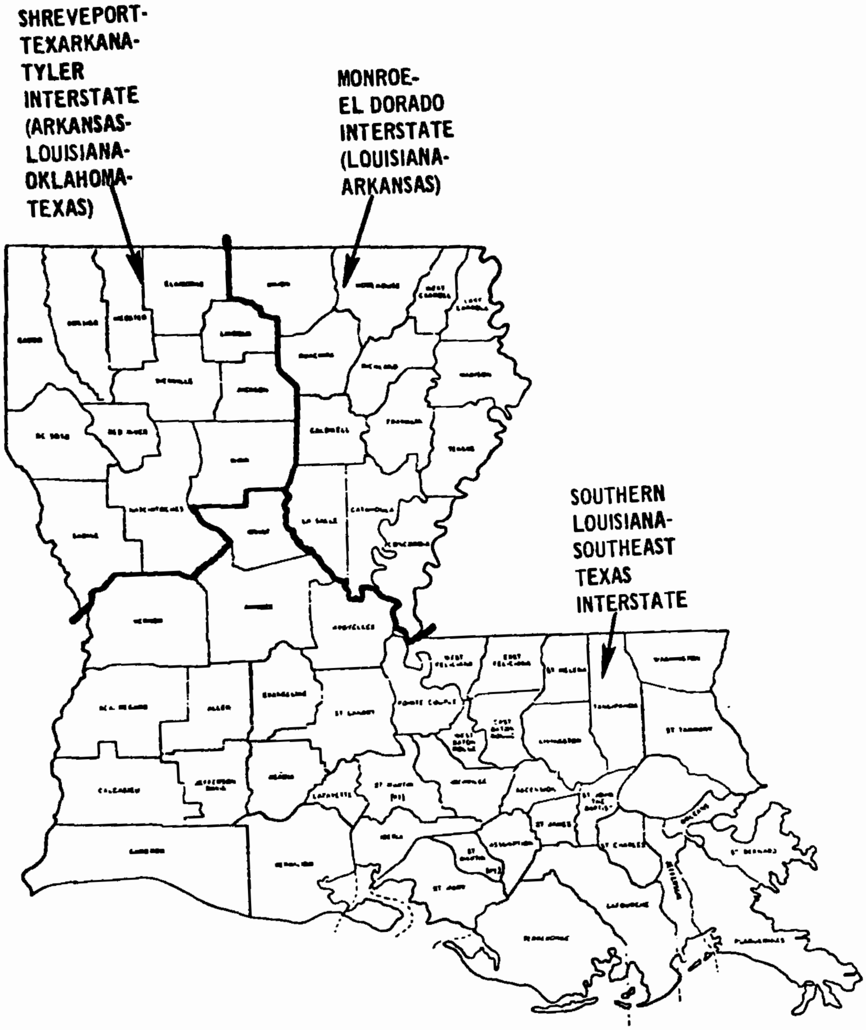

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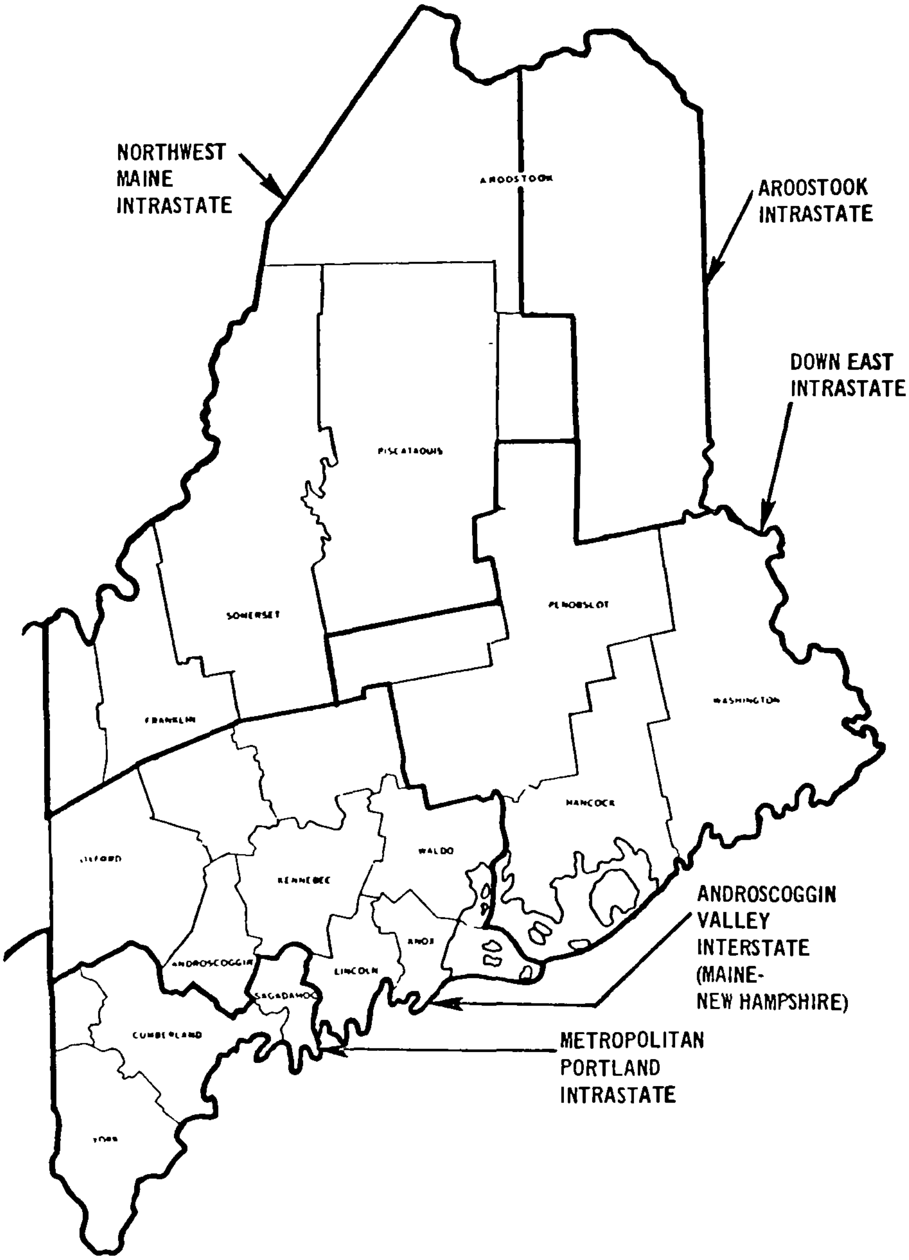

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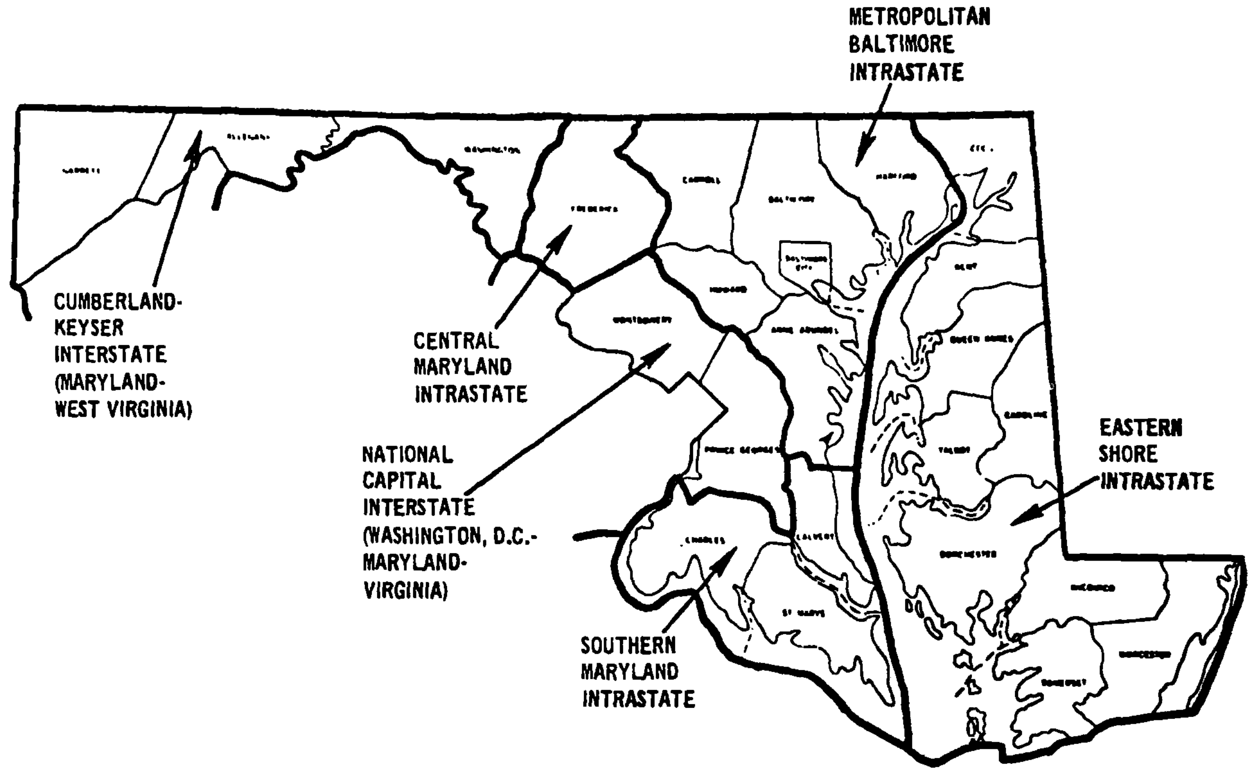

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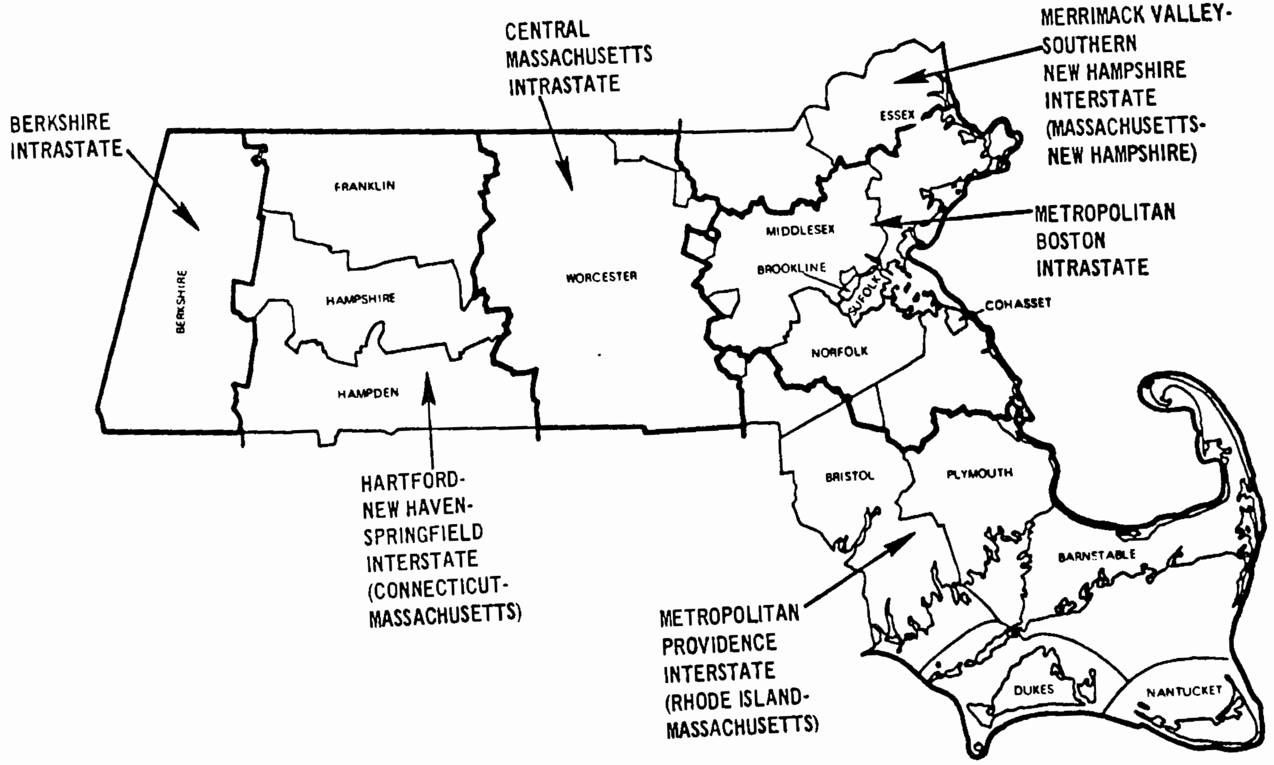

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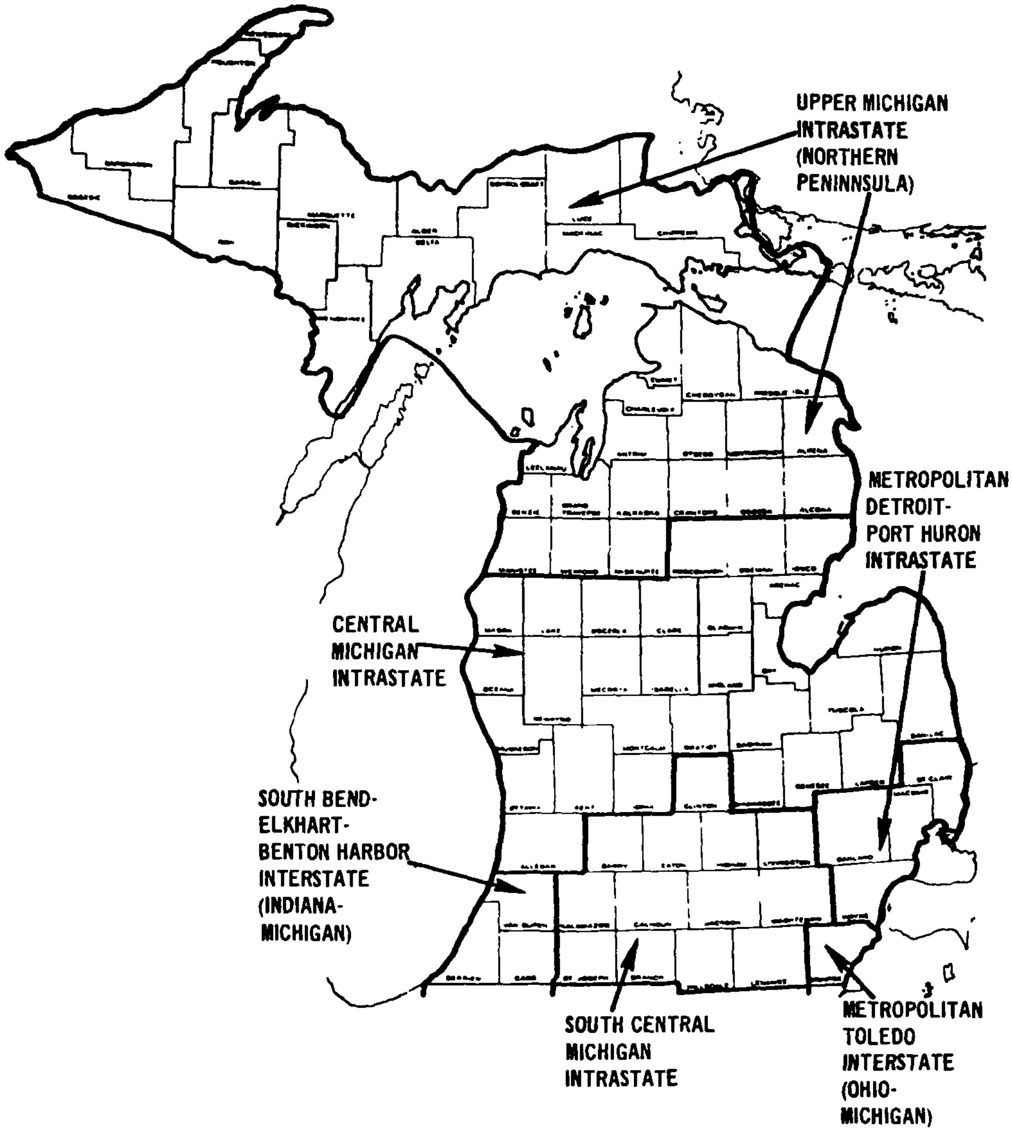

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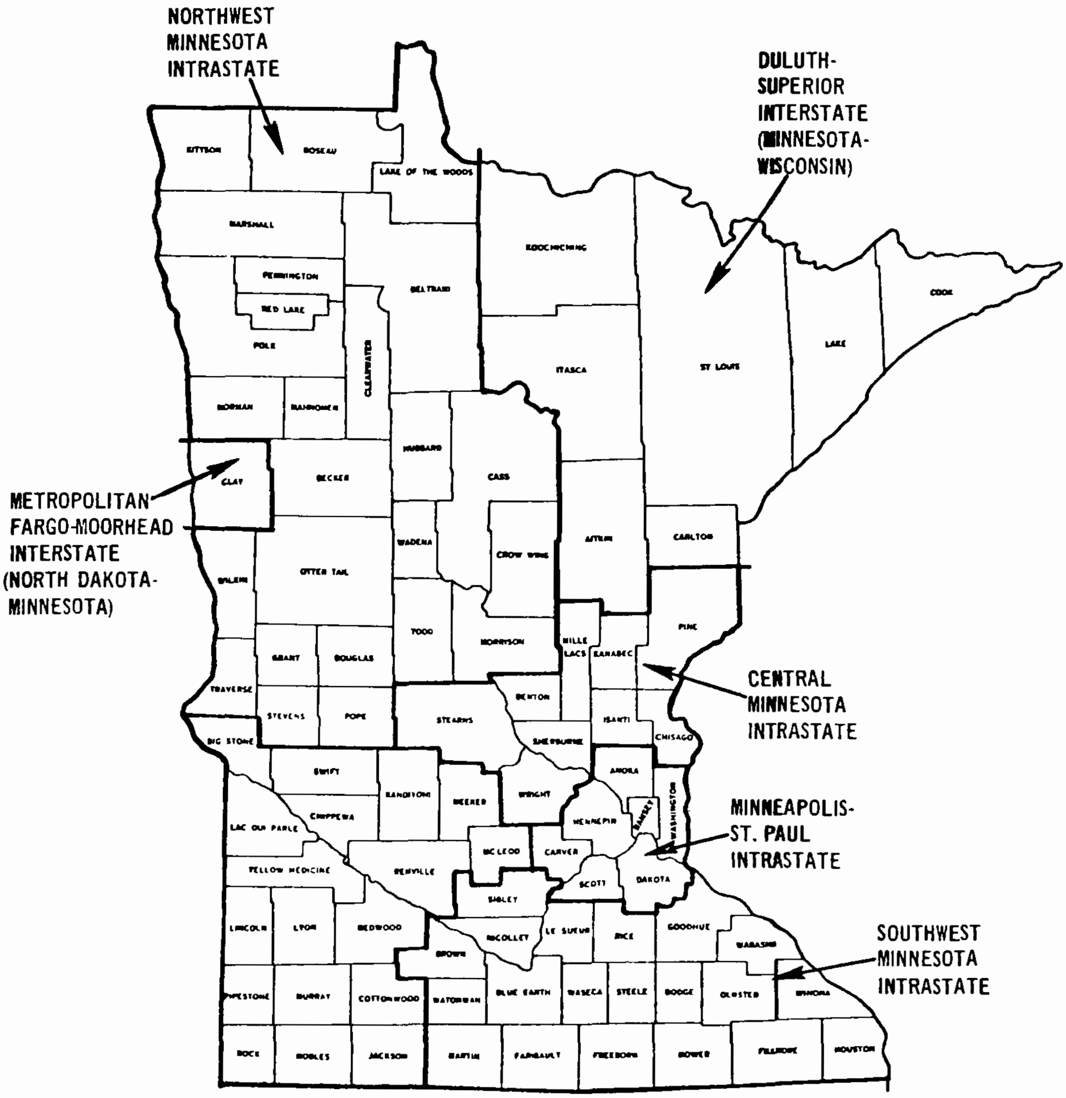

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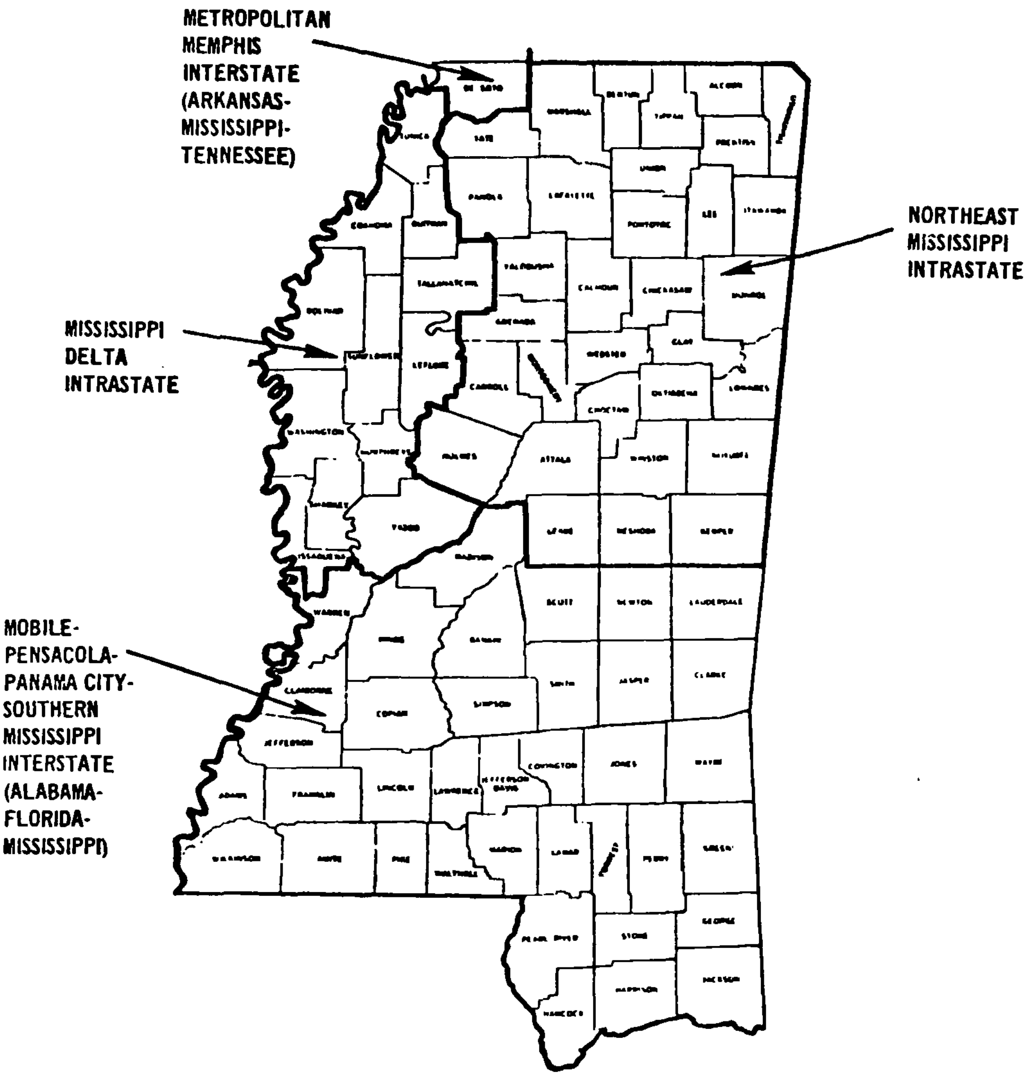

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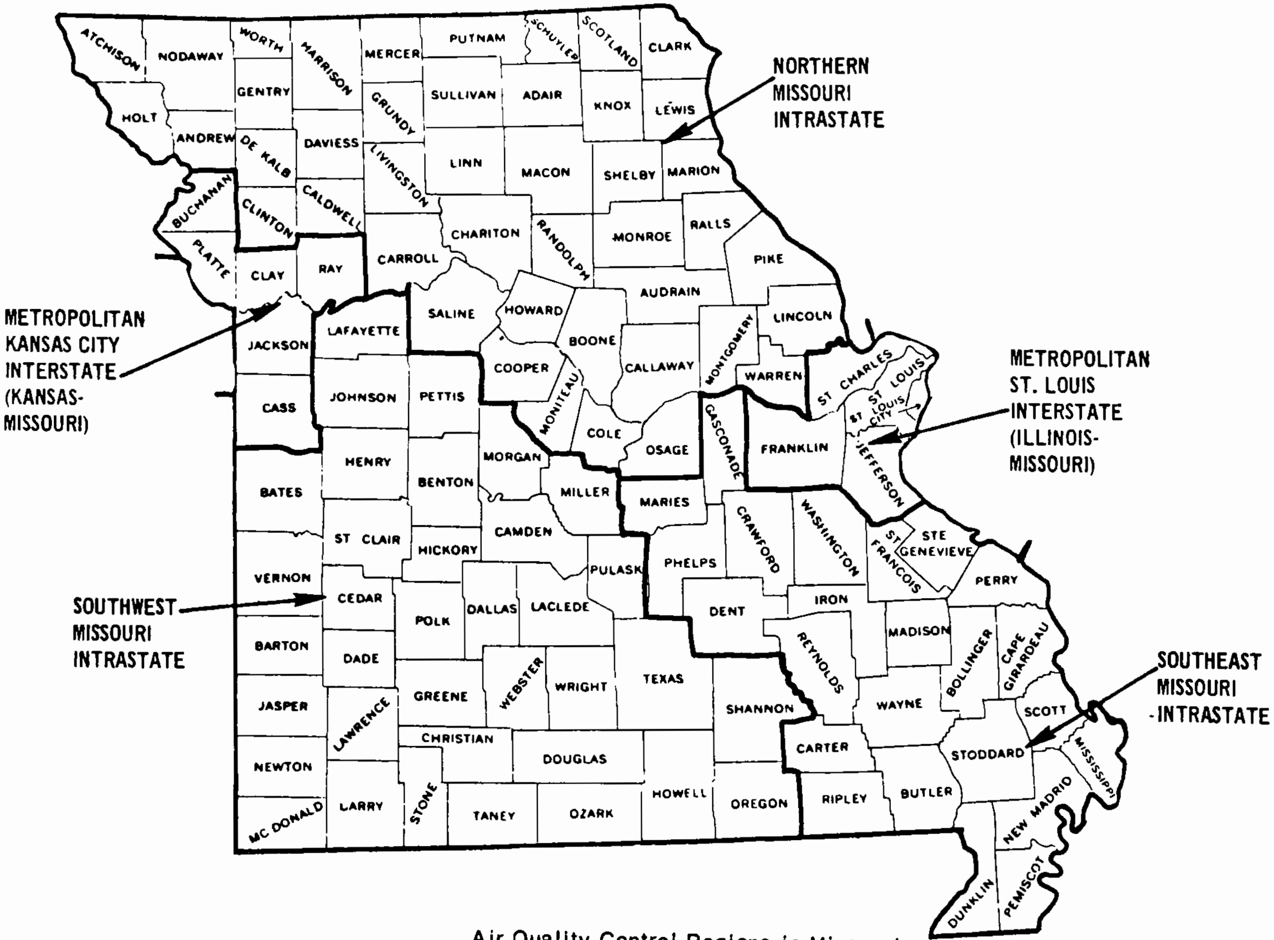

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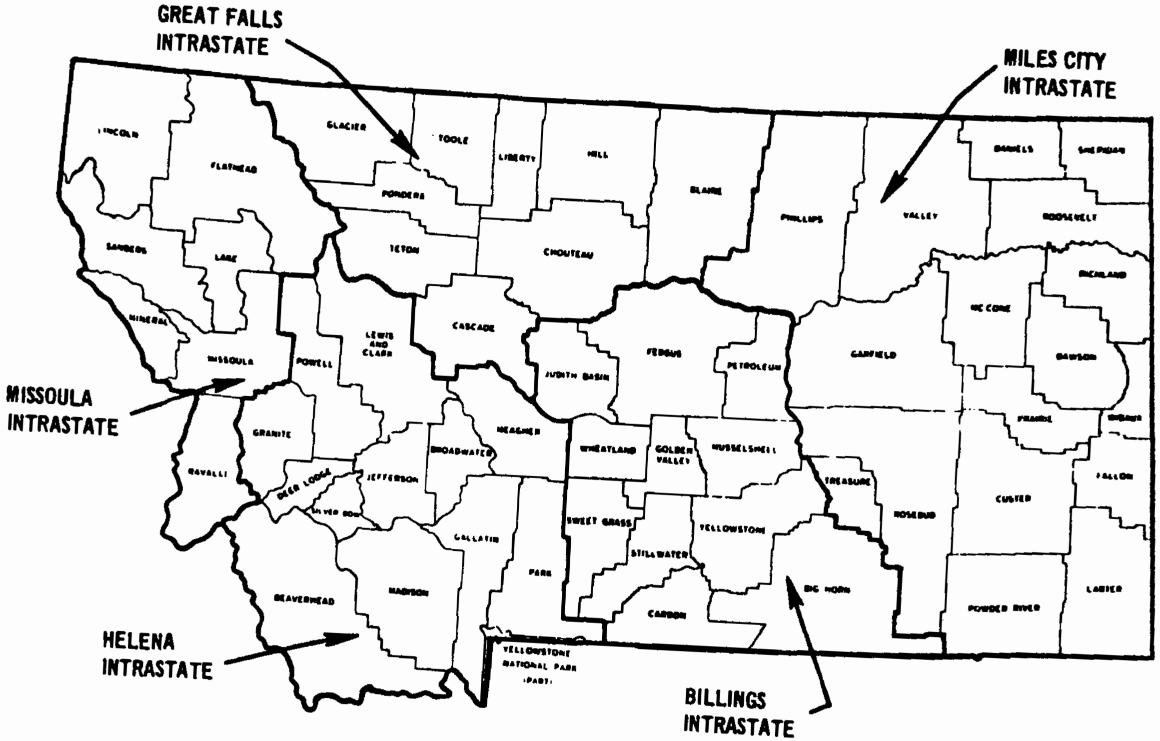

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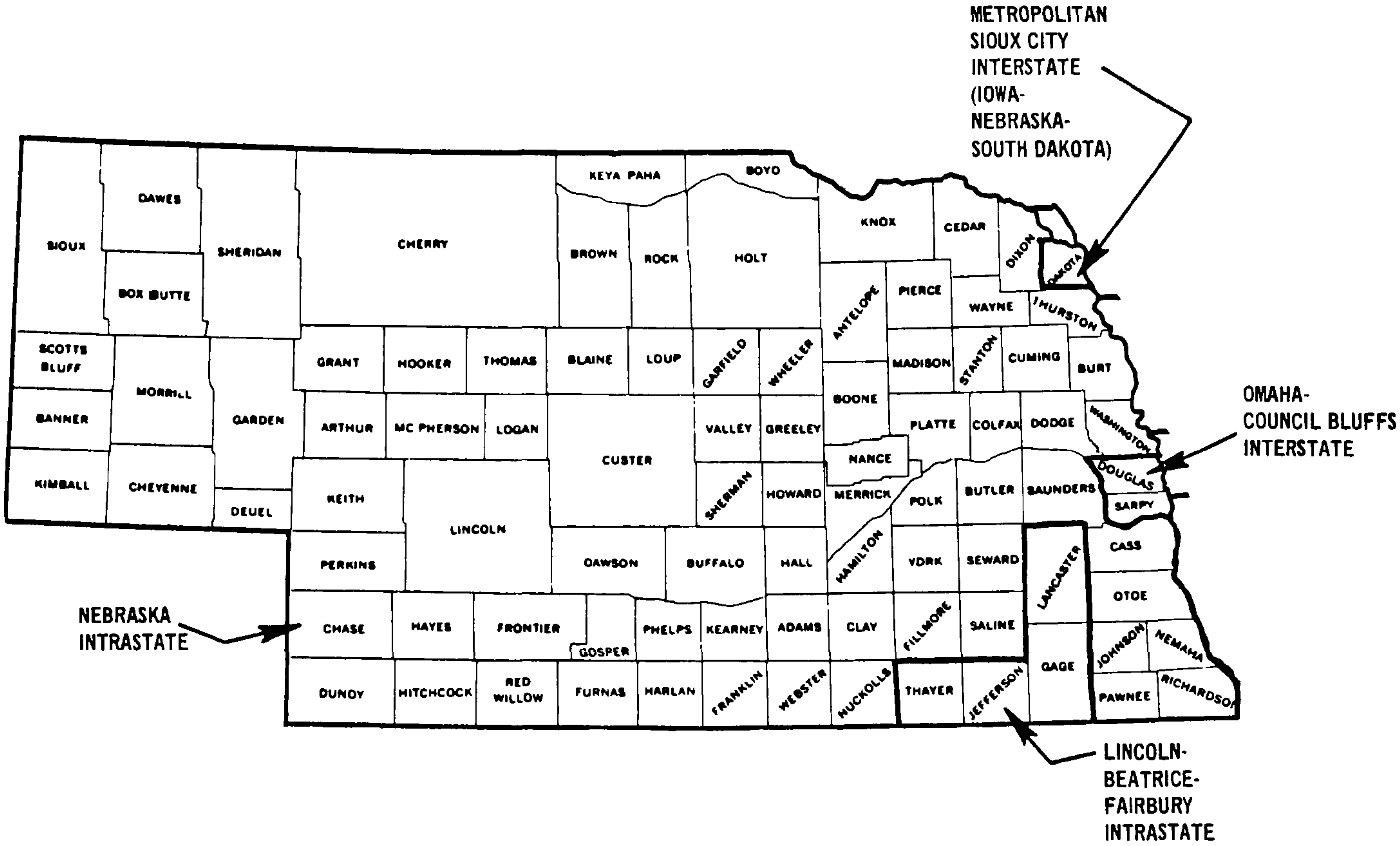

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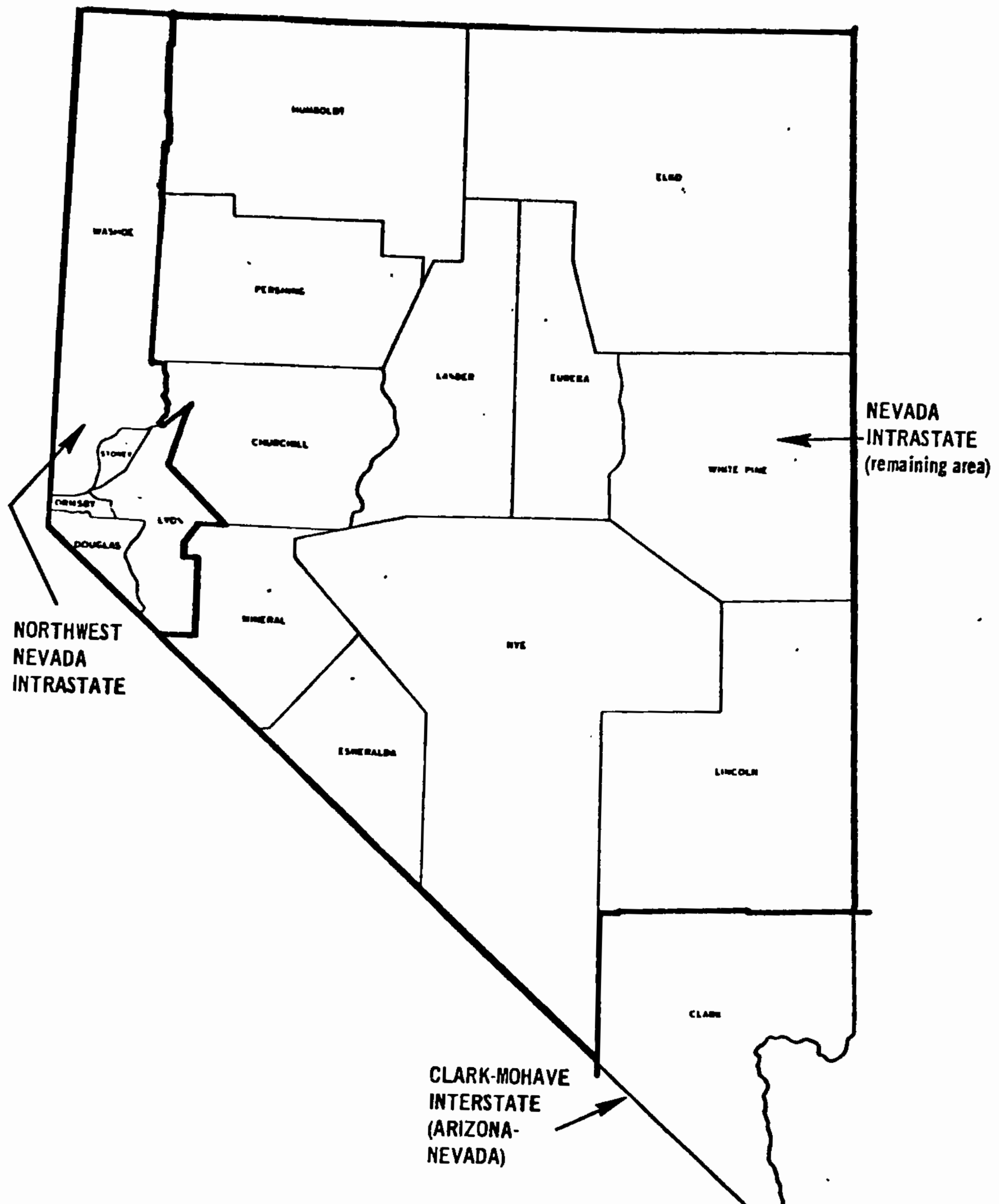

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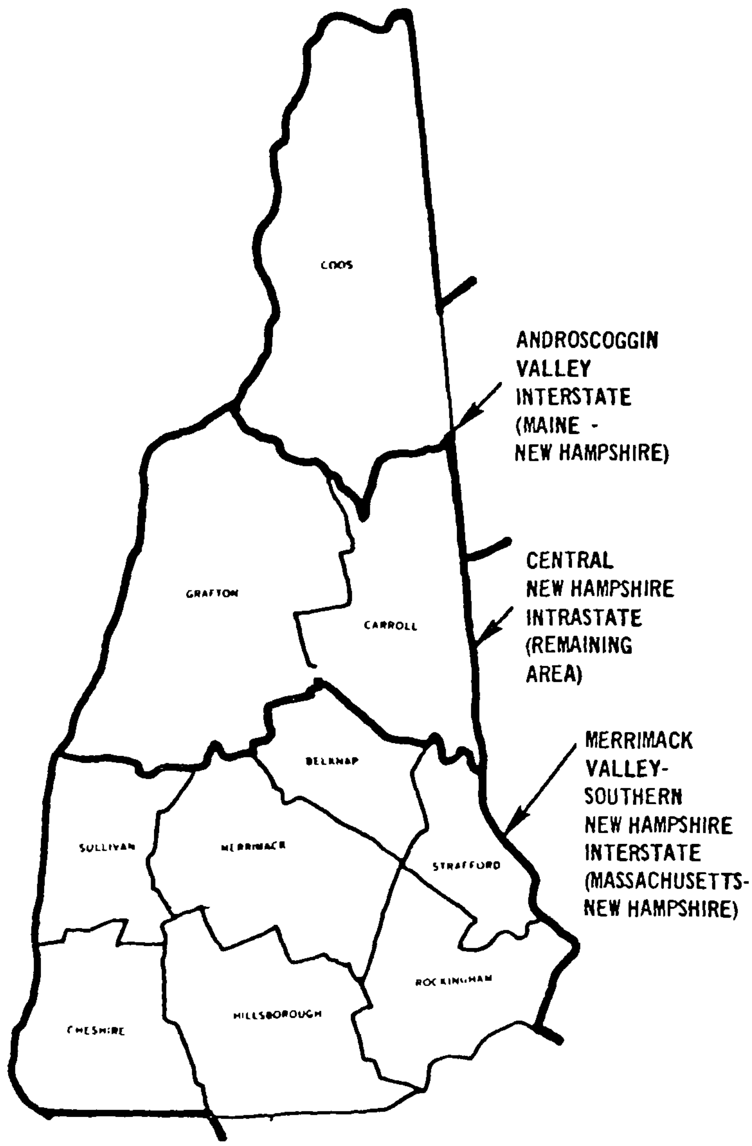

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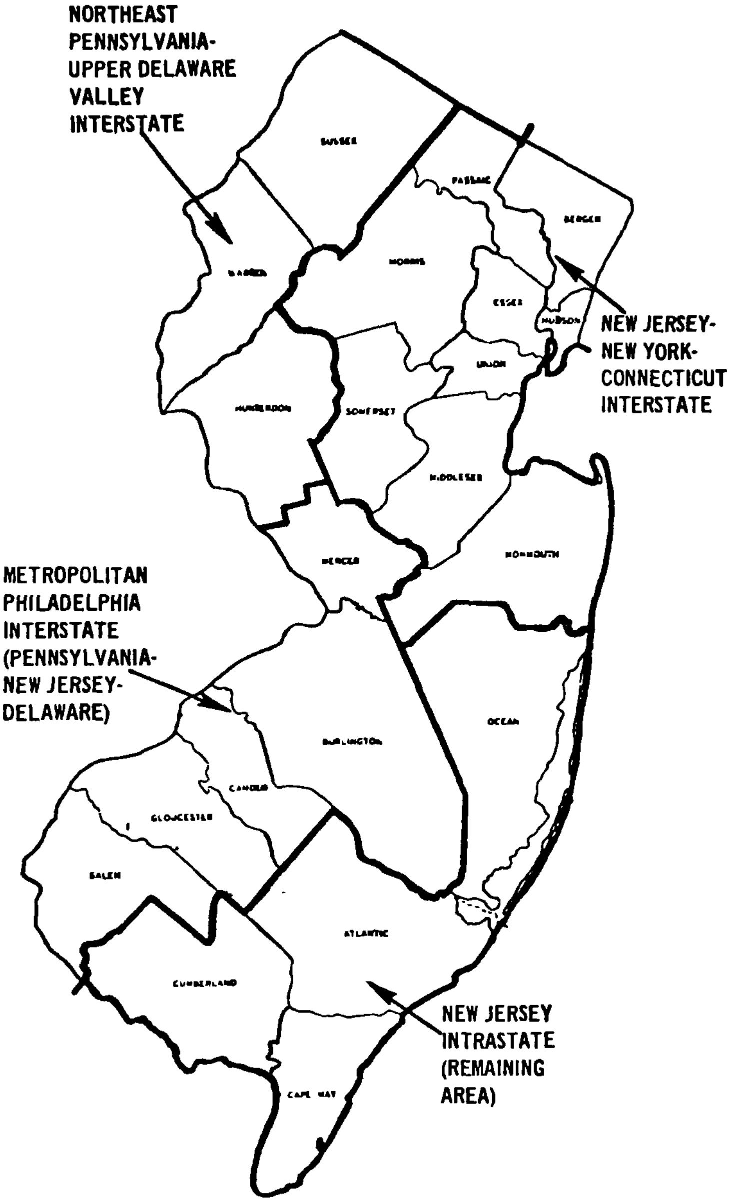

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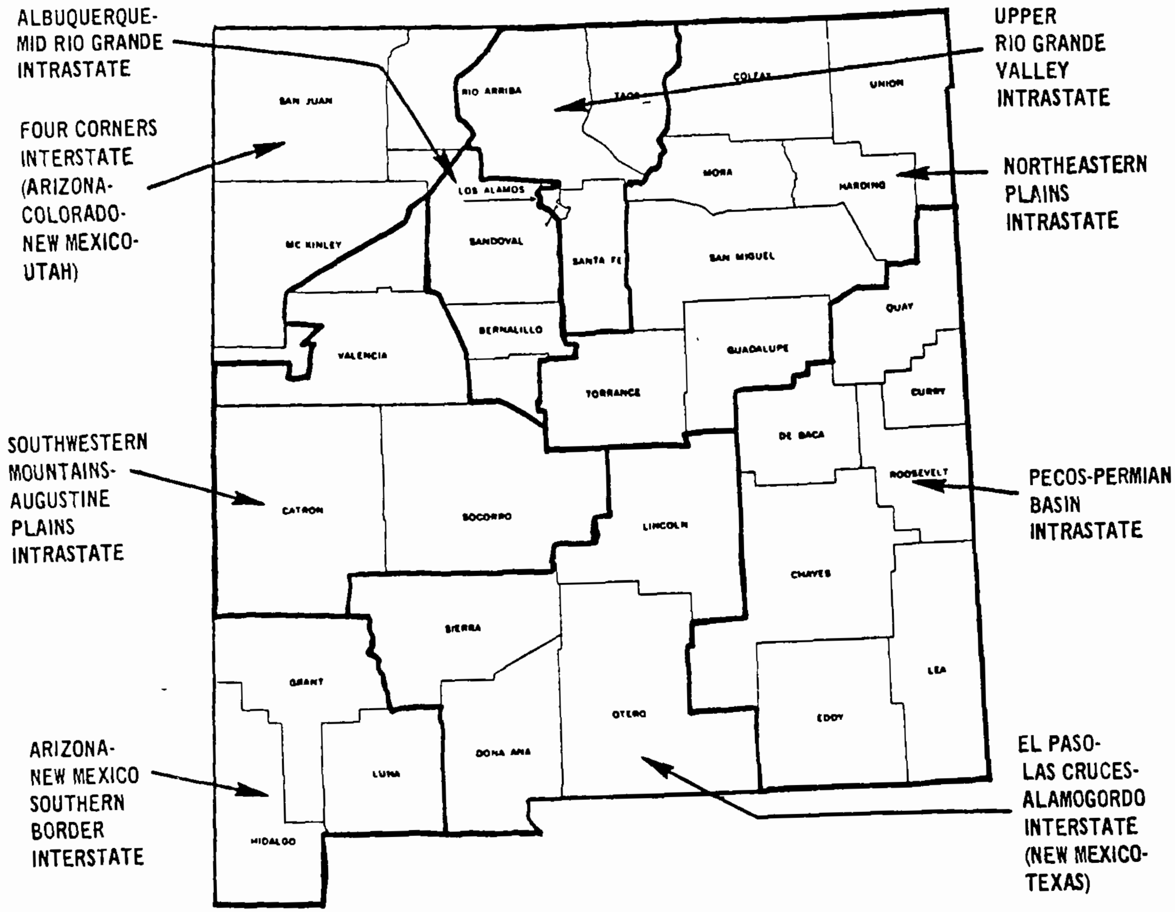

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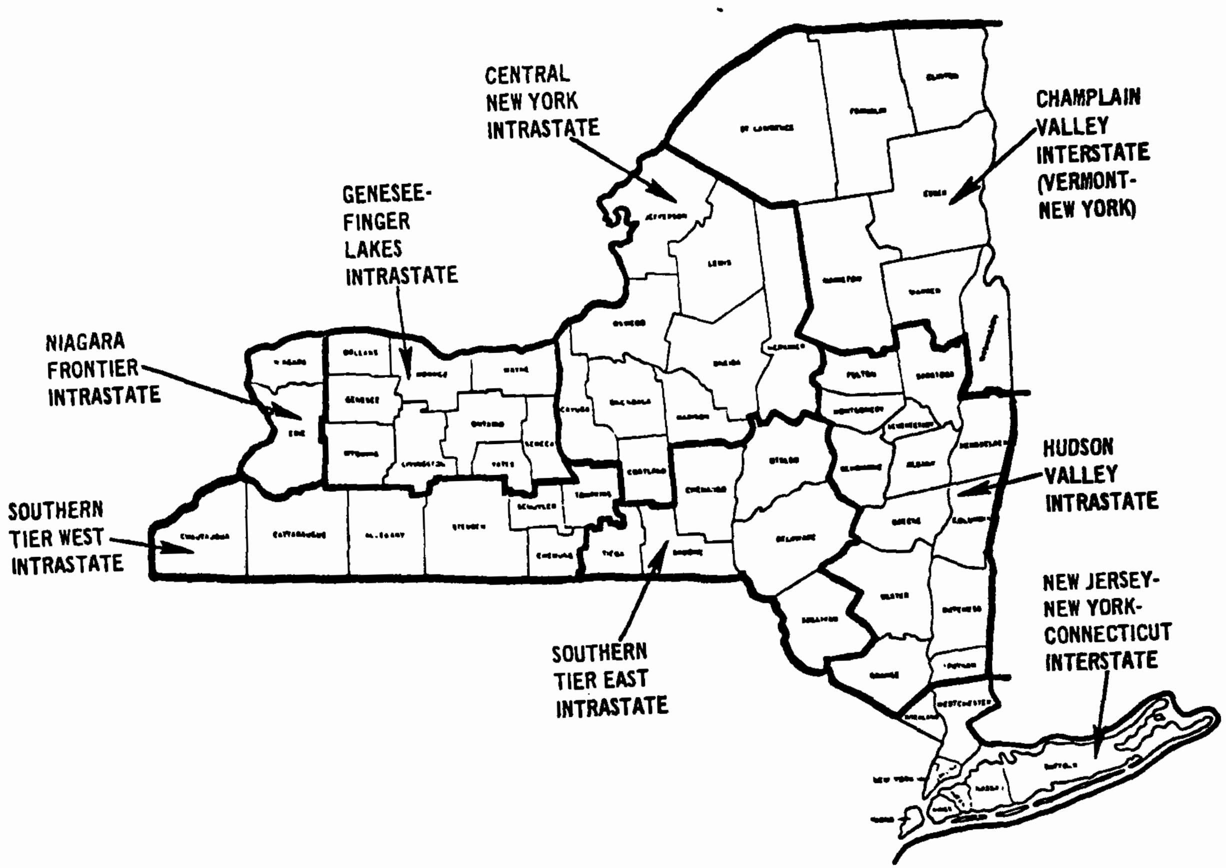

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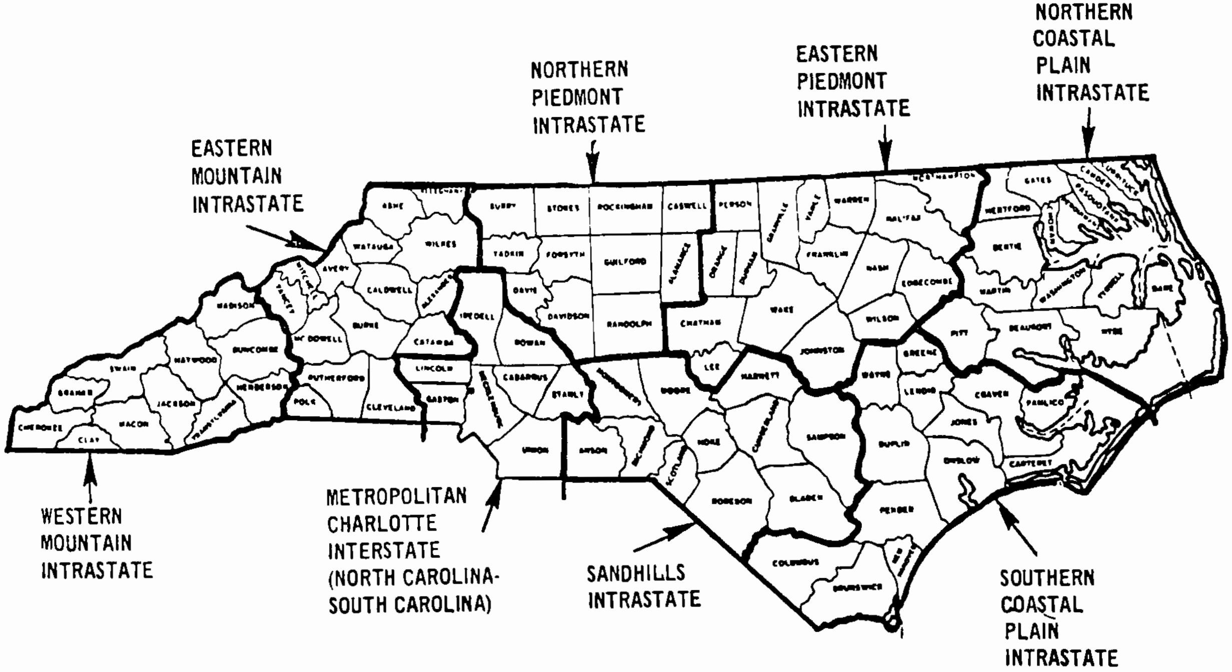
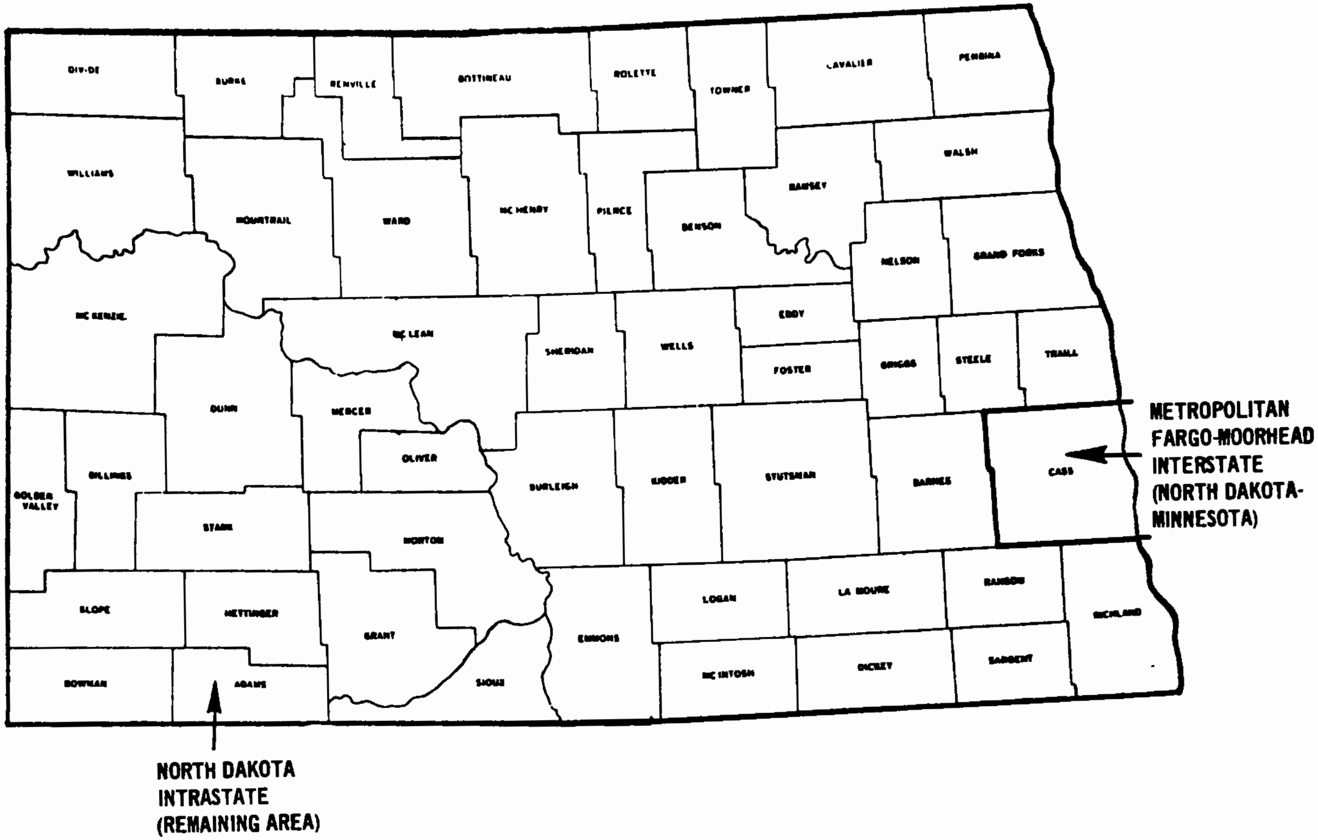
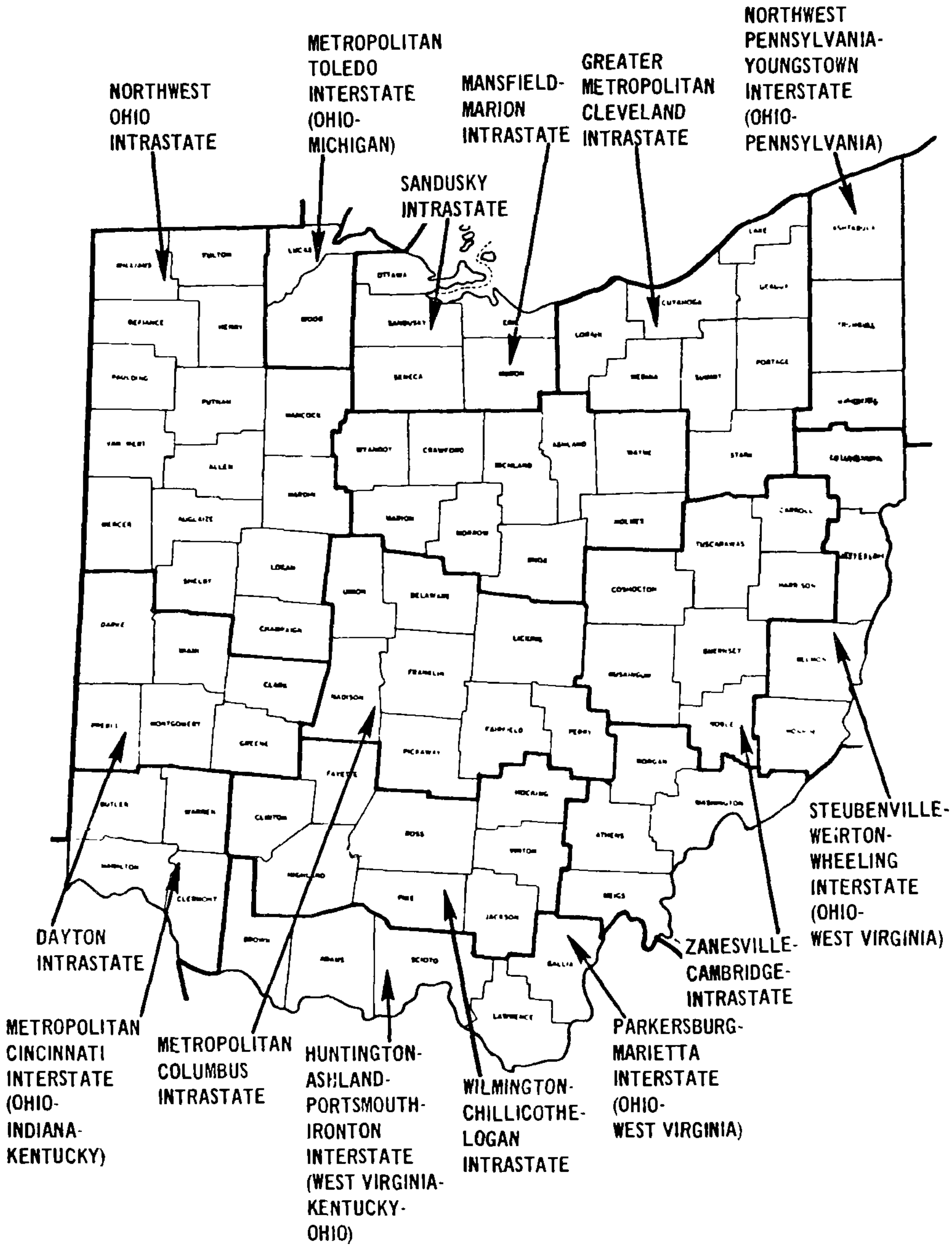


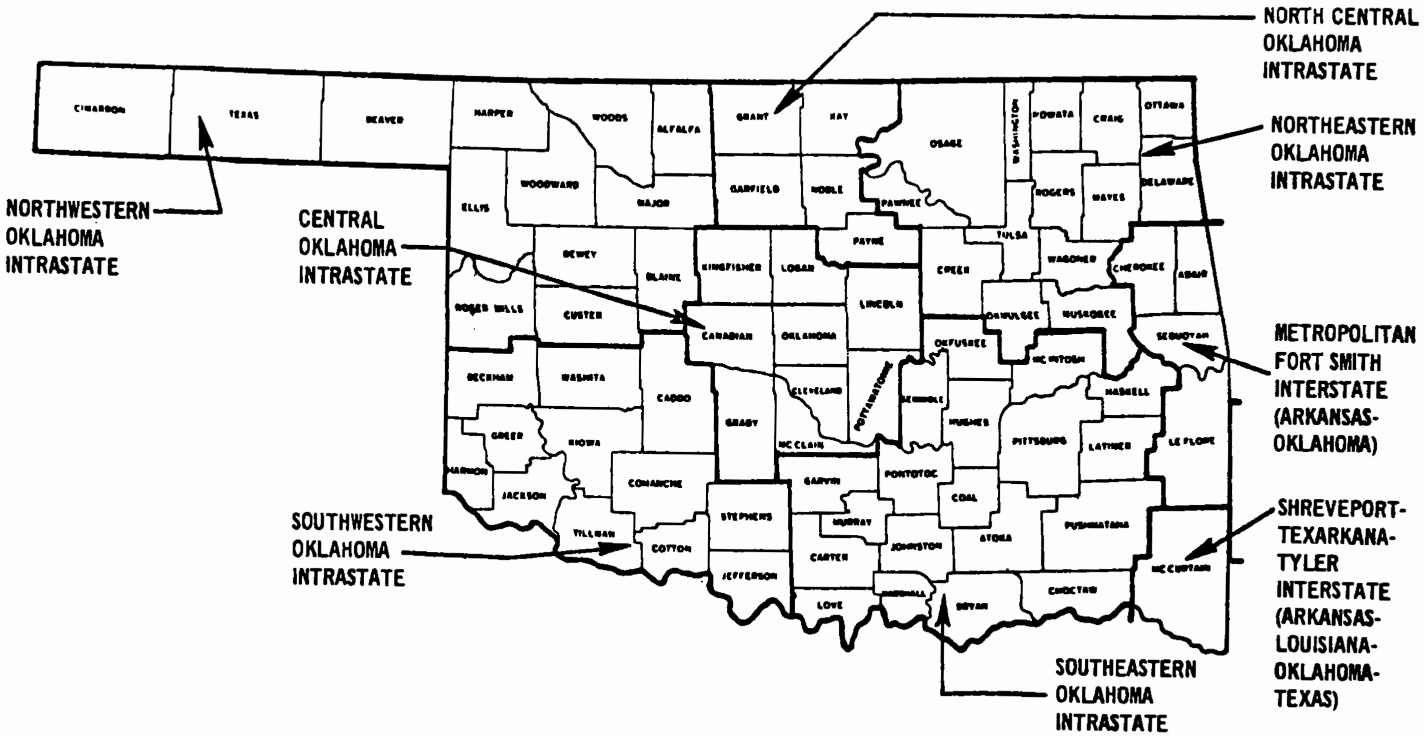
Air Quality Control Regions In North Carolina.



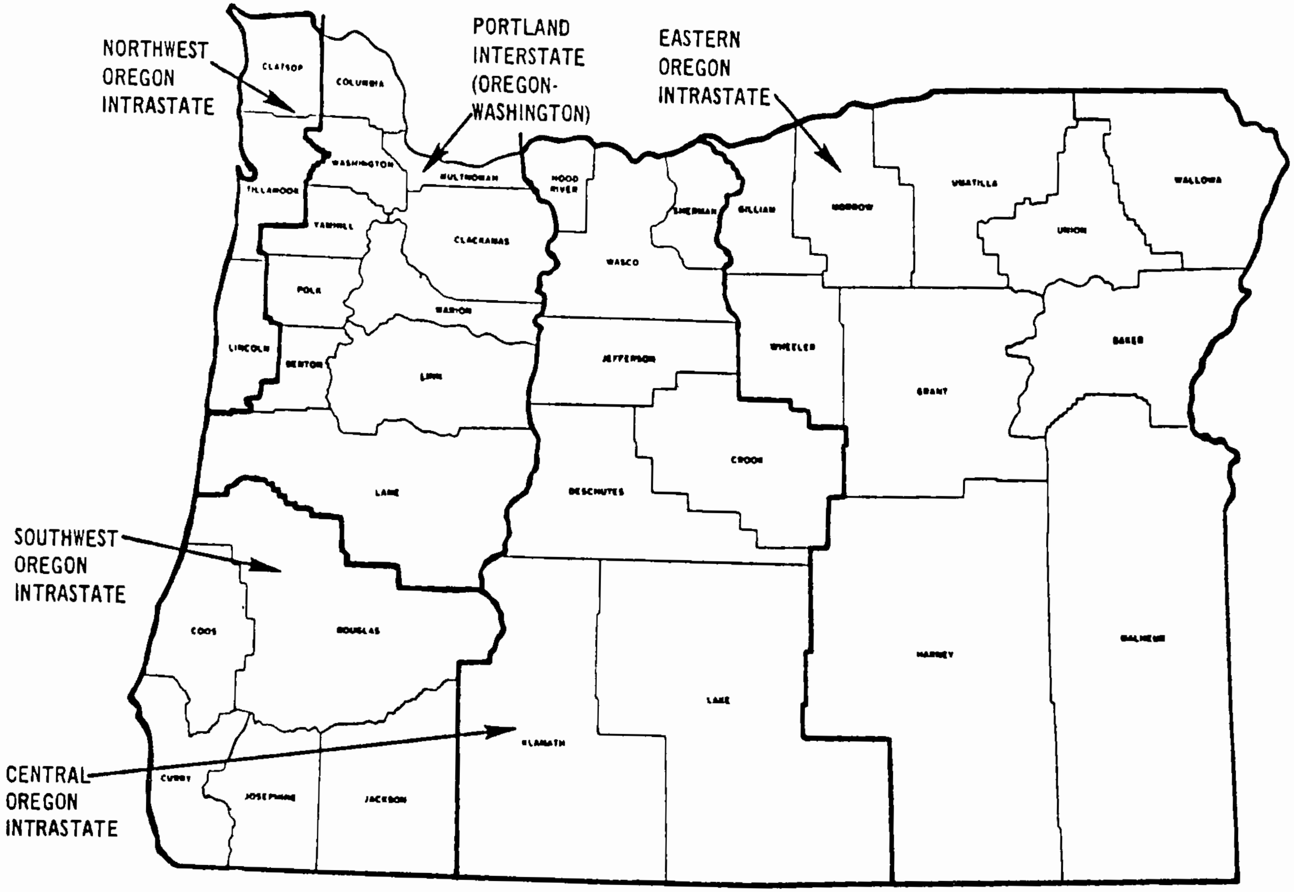
Air Quality Control Regions in North Dakota.



Air Quality Control Regions in Ohio.



Air Quality Control Regions in Oklahoma.



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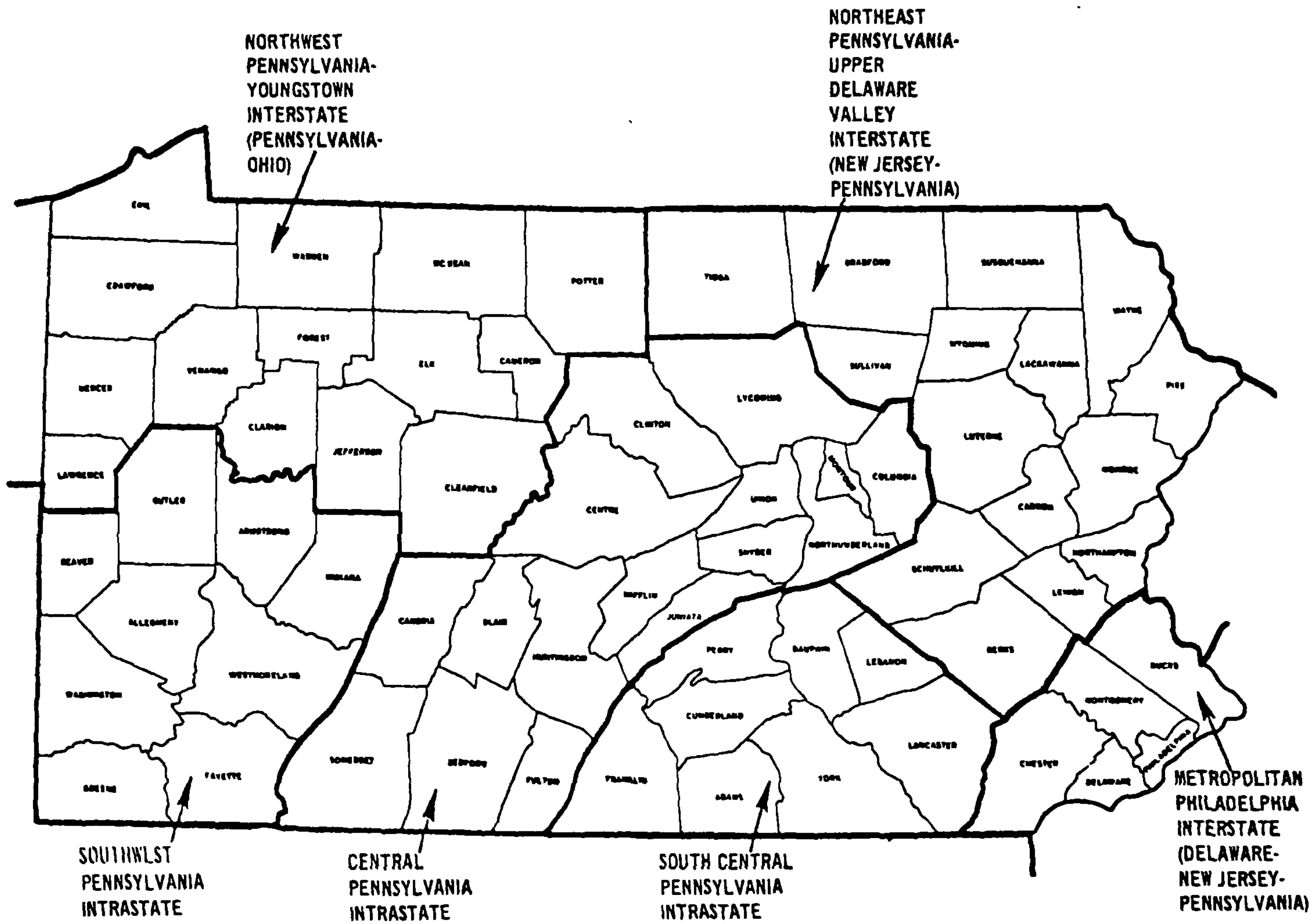

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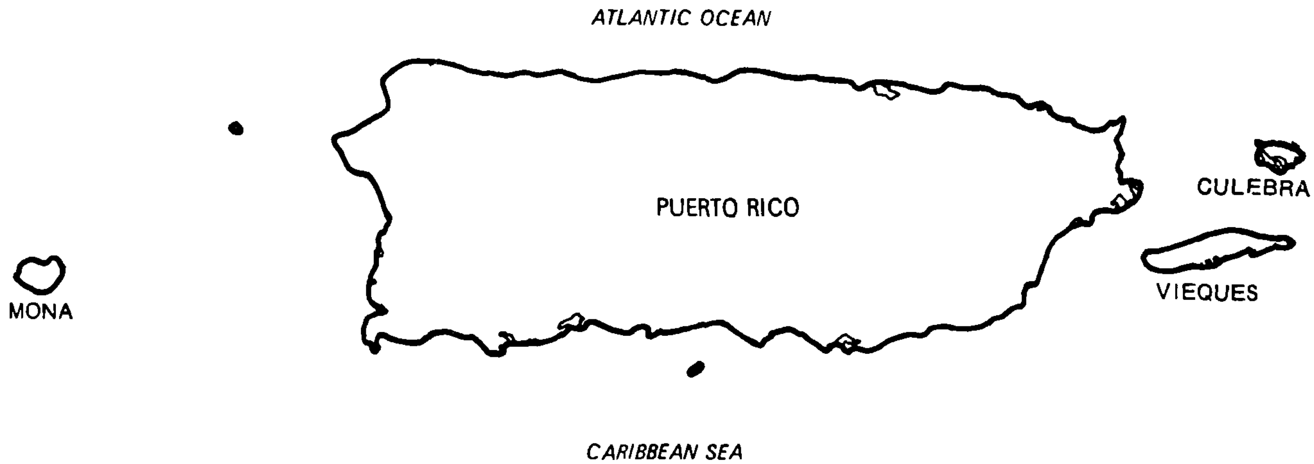
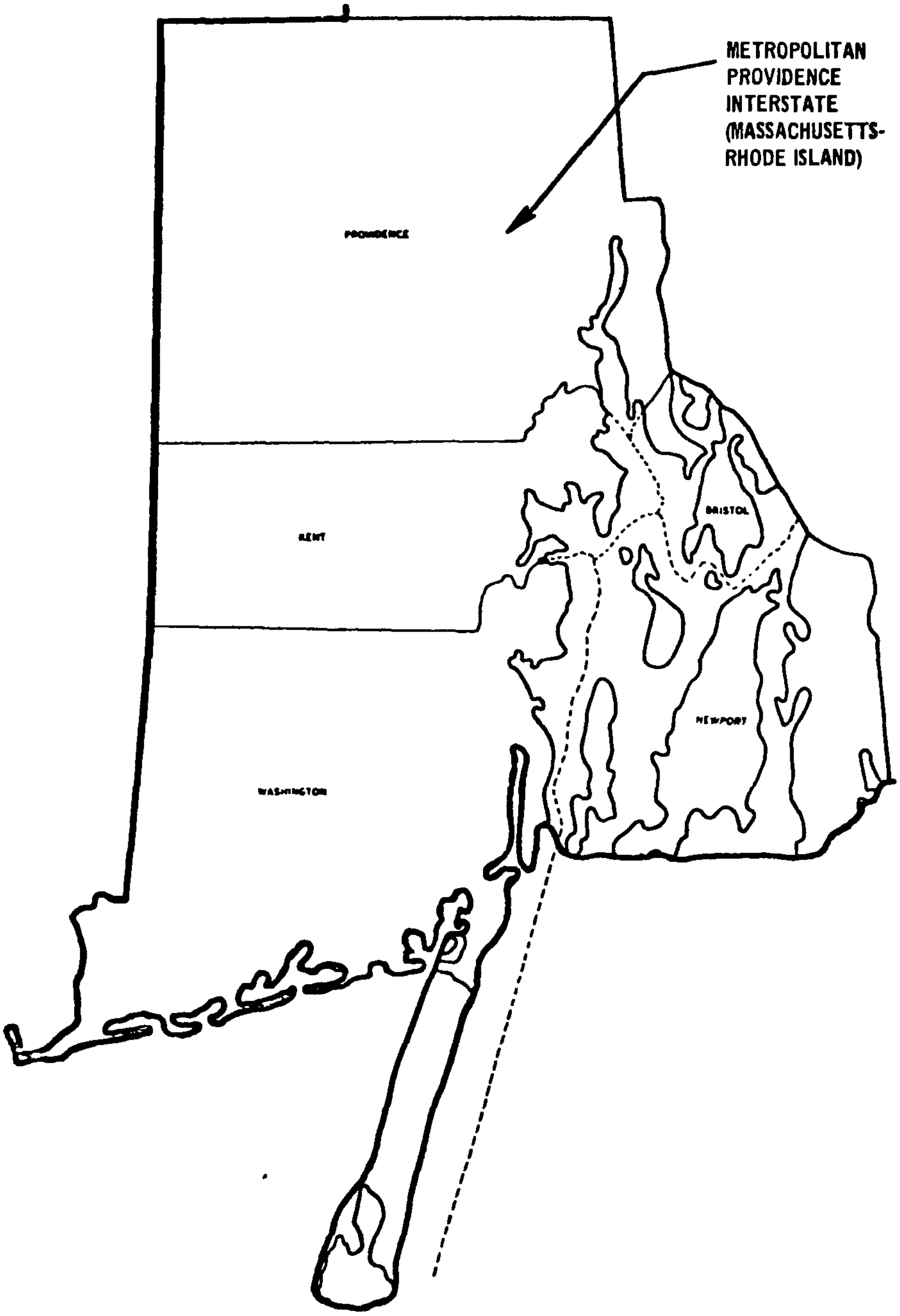
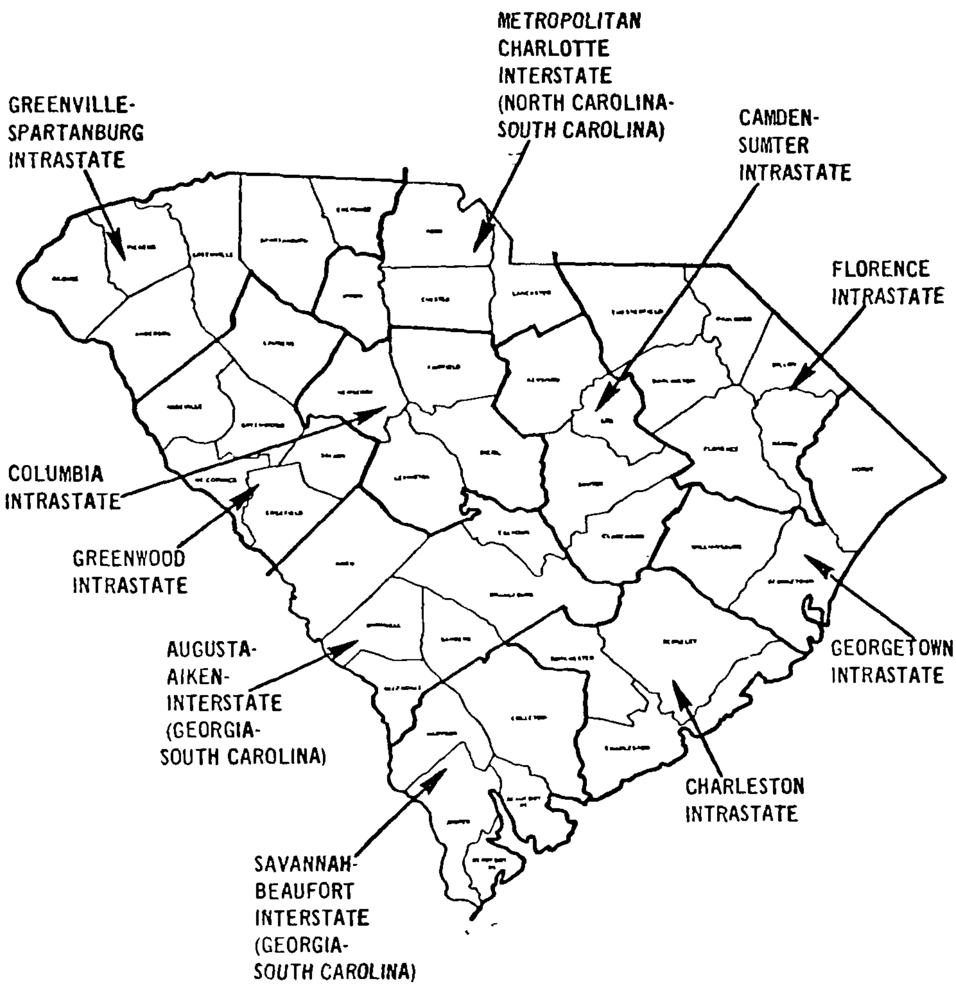


Air Quality Control Region in Commonwealth of Puerto Rico.



Air Quality Control Region in Rhode Island.



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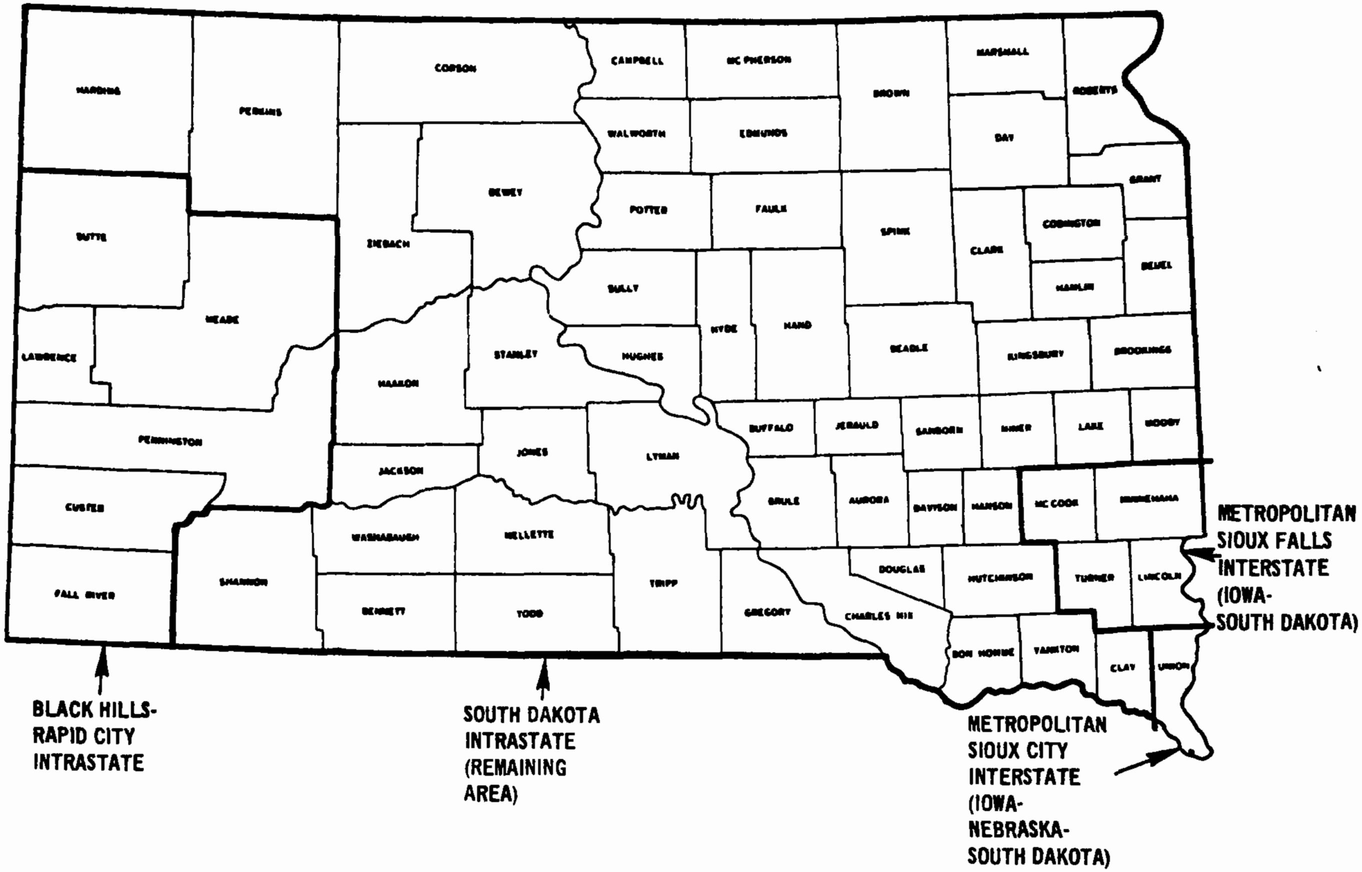

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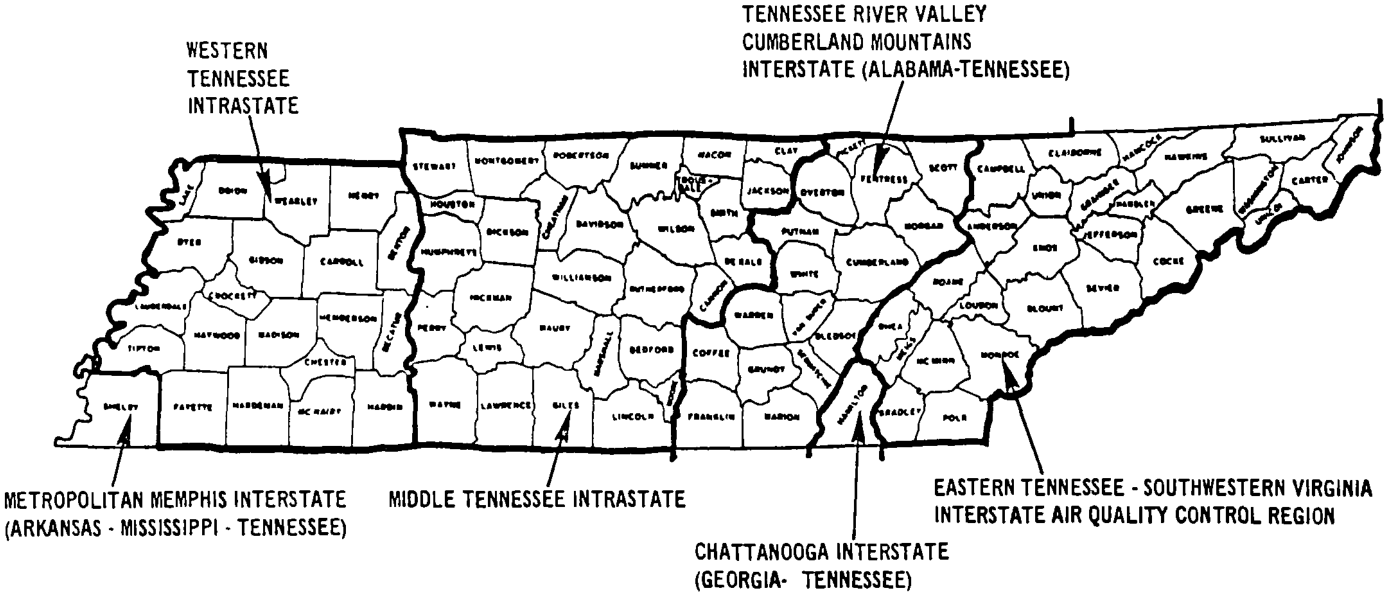

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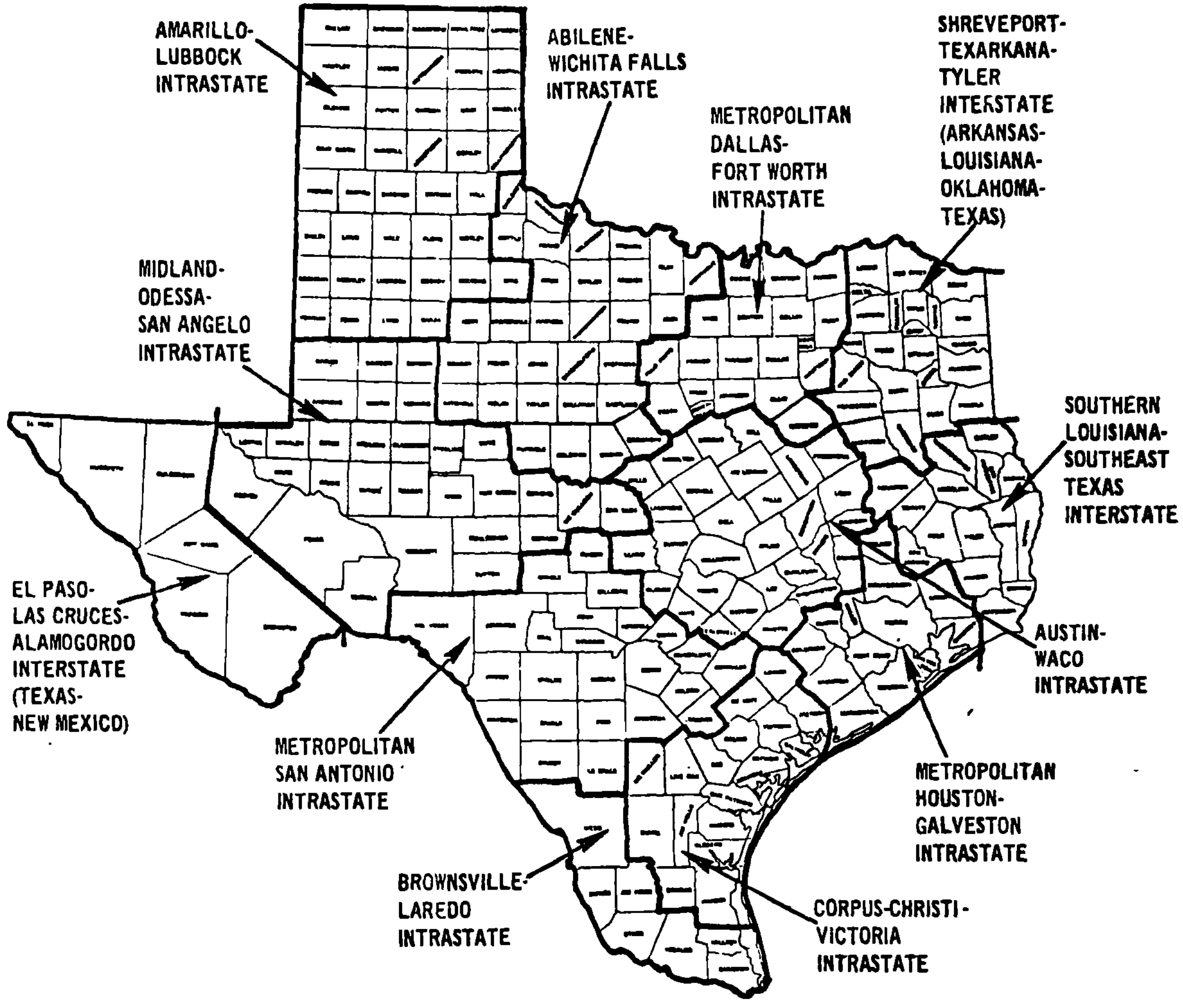

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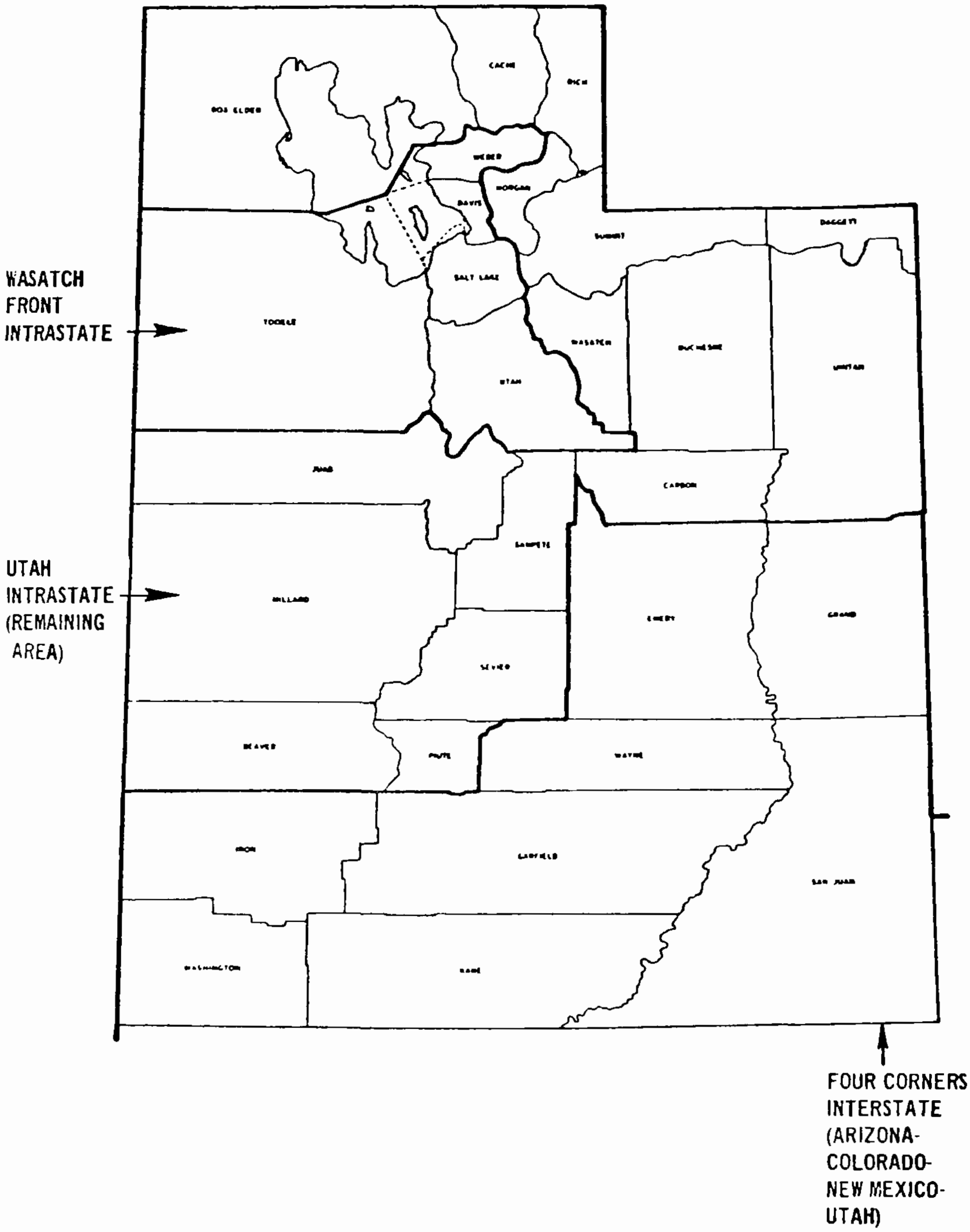

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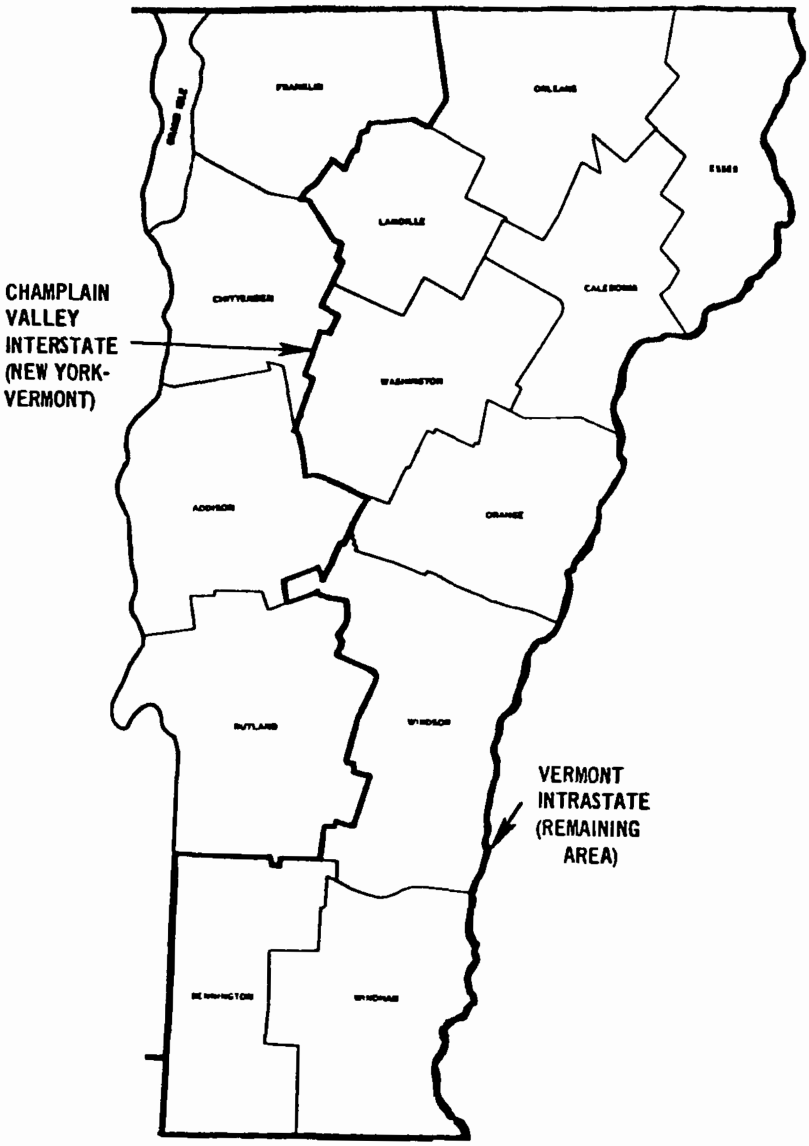

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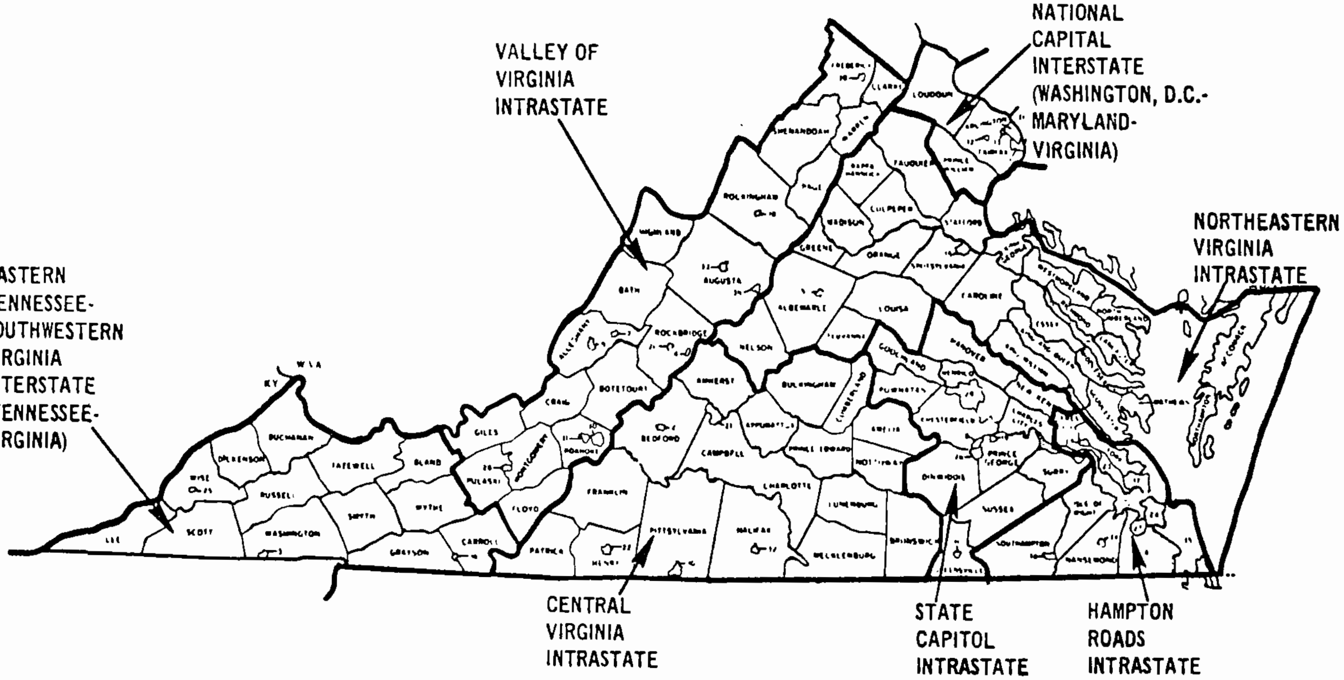

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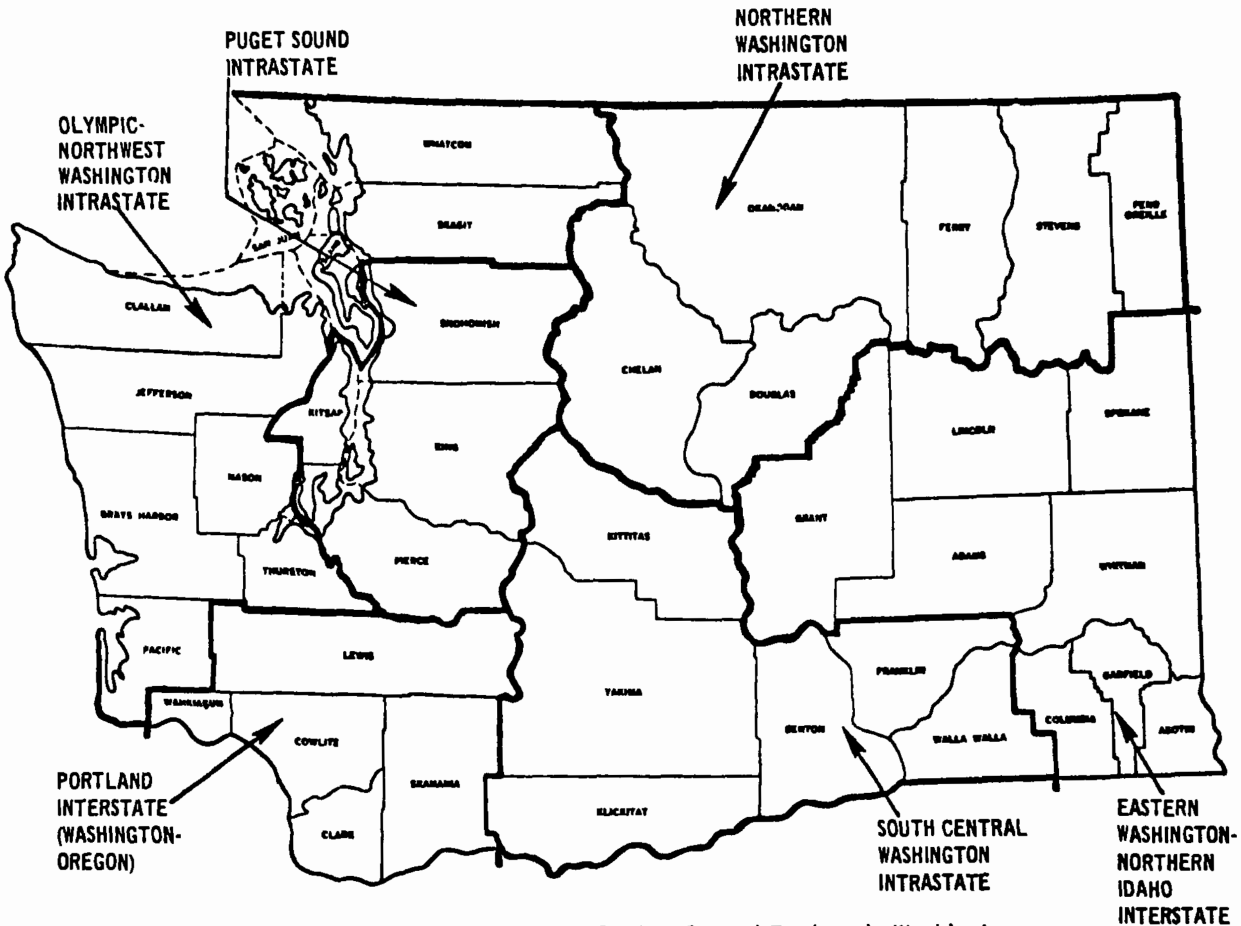
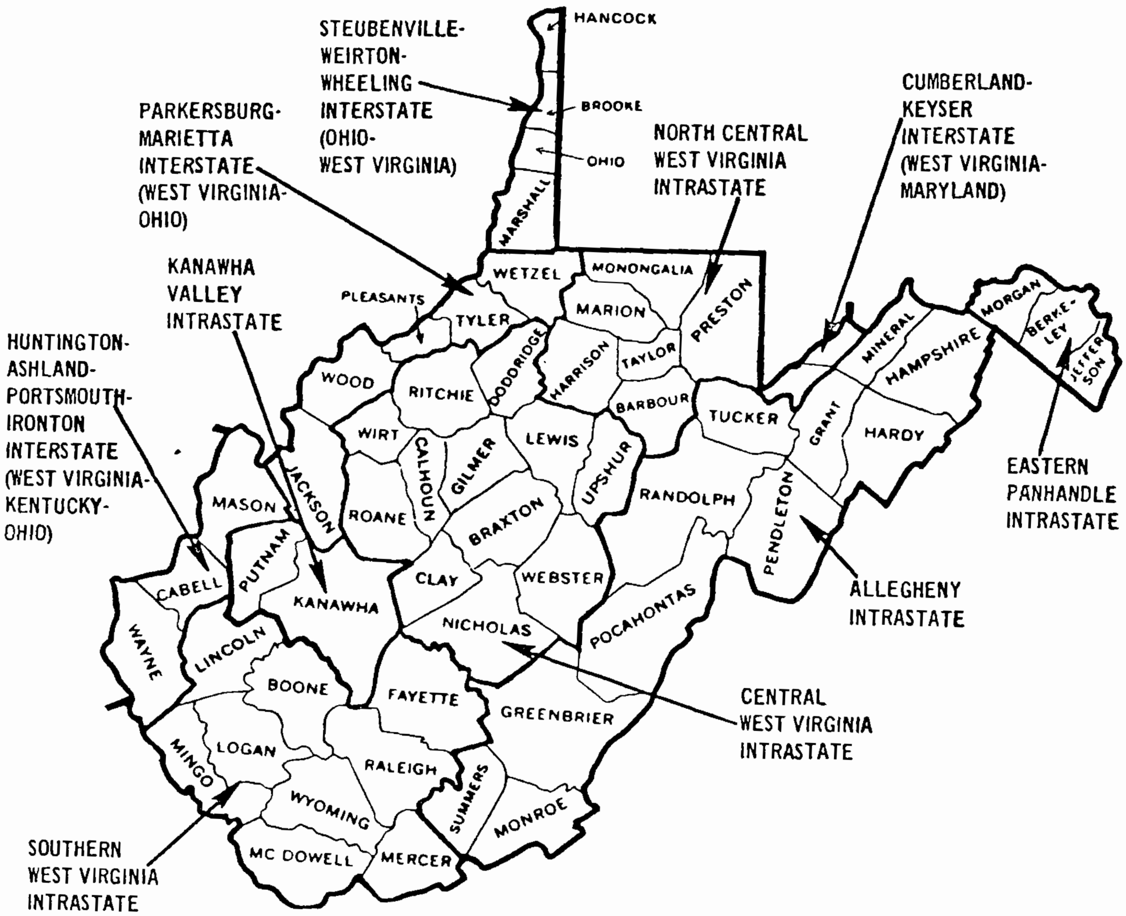


Air Quality Control Regions in Washington.



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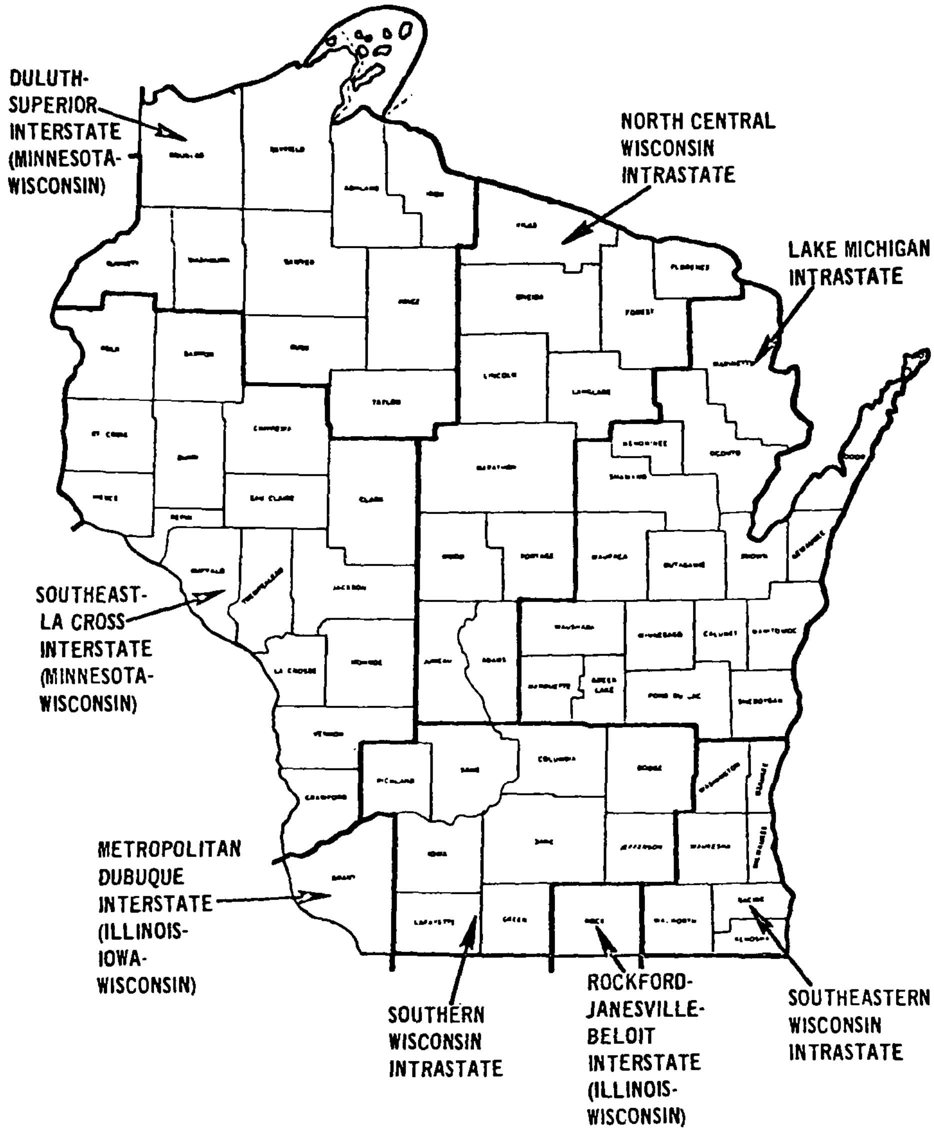

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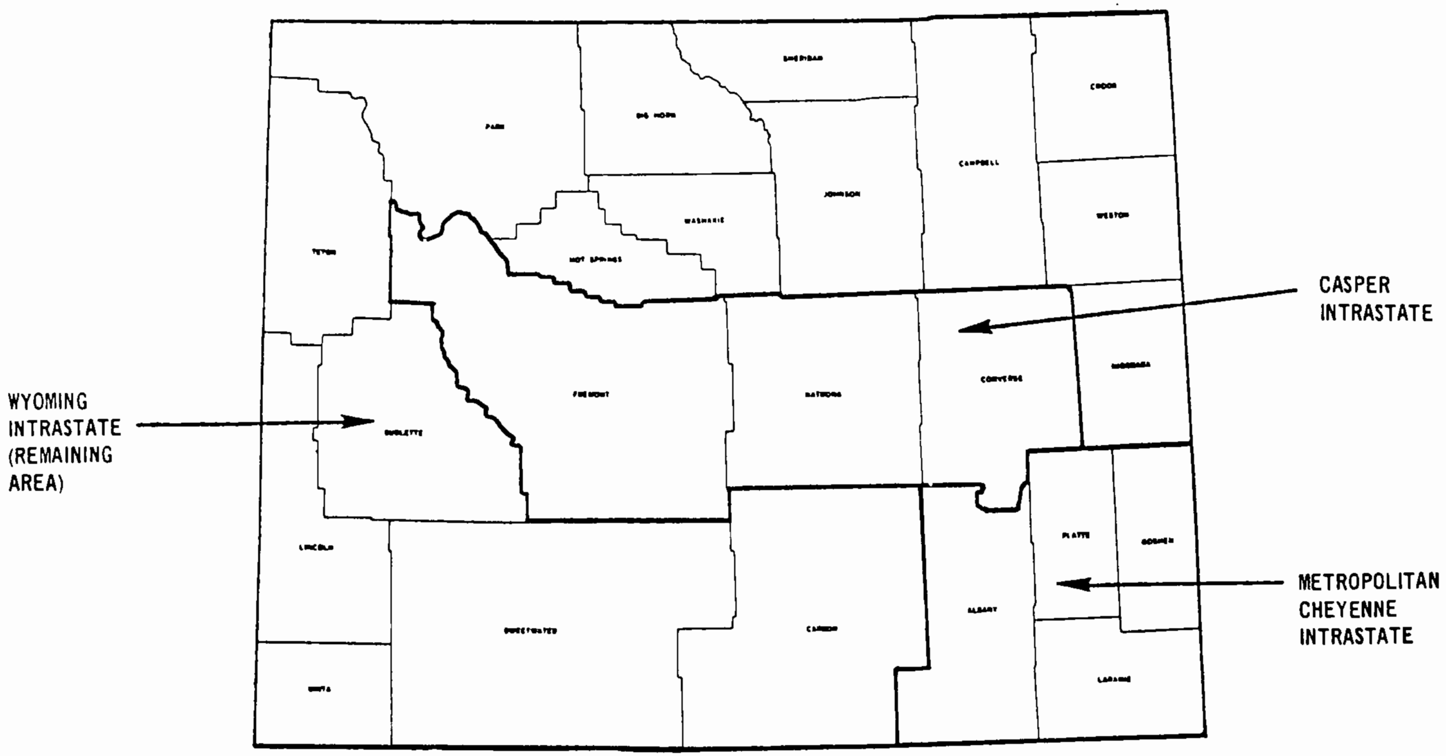


Air Quality Control Regions in Wyoming.

APPENDIX I

COUNTY EMISSION PROFILES

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
01 AUTAUGA CO	POINT	132.	1,914.	6,840.
	AREA	2,921.	1,577.	14,310.
	TOTAL	3,053.	3,491.	21,150.
01 BALDWIN CO	POINT	10.	5.	1.
	AREA	10,188.	5,590.	45,064.
	TOTAL	10,198.	5,595.	45,065.
01 BARBOUR CO	POINT	305.	145.	29.
	AREA	3,278.	1,711.	16,899.
	TOTAL	3,583.	1,856.	16,928.
01 BIBB CO	POINT	0.	0.	0.
	AREA	1,683.	1,309.	8,343.
	TOTAL	1,683.	1,309.	8,343.
01 BLOUNT CO	POINT	0.	0.	0.
	AREA	3,333.	2,141.	15,894.
	TOTAL	3,333.	2,141.	15,894.
01 BULLOCK CO	POINT	0.	0.	0.
	AREA	1,602.	744.	7,813.
	TOTAL	1,602.	744.	7,813.
01 BUTLER CO	POINT	188.	941.	188.
	AREA	3,055.	1,469.	13,532.
	TOTAL	3,243.	2,410.	13,720.
01 CALHOUN CO	POINT	38.	233.	7,311.
	AREA	12,292.	6,219.	59,244.
	TOTAL	12,330.	6,452.	66,555.
01 CHAMBERS CO	POINT	20.	452.	50.
	AREA	5,215.	2,496.	22,140.
	TOTAL	5,235.	2,948.	22,190.
01 CHEROKEE CO	POINT	0.	0.	0.
	AREA	2,185.	1,411.	10,515.
	TOTAL	2,185.	1,411.	10,515.
01 CHILTON CO	POINT	39.	195.	39.
	AREA	3,202.	2,046.	15,063.
	TOTAL	3,241.	2,241.	15,102.
01 CHOCTAW CO	POINT	224.	3,654.	8,967.
	AREA	2,346.	1,382.	9,011.
	TOTAL	2,570.	5,036.	17,978.

* Tons/Year

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
01 CLARKE CO	POINT	16.	982.	3,579.
	AREA	3,576.	2,084.	16,039.
	TOTAL	3,592.	3,066.	19,618.
01 CLAY CO	POINT	0.	0.	0.
	AREA	1,746.	1,109.	6,919.
	TOTAL	1,746.	1,109.	6,919.
01 CLEBURNE CO	POINT	0.	0.	0.
	AREA	1,595.	855.	7,815.
	TOTAL	1,595.	855.	7,815.
01 COFFEE CO	POINT	0.	0.	0.
	AREA	5,212.	2,246.	21,014.
	TOTAL	5,212.	2,246.	21,014.
01 COLBERT CO	POINT	411.	29,163.	1,802.
	AREA	7,920.	3,727.	31,104.
	TOTAL	8,331.	32,890.	32,906.
01 CONECUH CO	POINT	0.	0.	0.
	AREA	2,127.	1,286.	12,712.
	TOTAL	2,127.	1,286.	12,712.
01 COOSA CO	POINT	0.	0.	0.
	AREA	1,884.	902.	8,471.
	TOTAL	1,884.	902.	8,471.
01 COVINGTON CO	POINT	3.	151.	9.
	AREA	6,990.	3,531.	34,909.
	TOTAL	6,993.	3,682.	34,918.
01 CRENSHAW CO	POINT	0.	0.	0.
	AREA	1,696.	1,102.	8,151.
	TOTAL	1,696.	1,102.	8,151.
01 CULLMAN CO	POINT	22.	110.	22.
	AREA	7,136.	4,679.	33,299.
	TOTAL	7,158.	4,789.	33,321.
01 DALE CO	POINT	147.	32.	1.
	AREA	4,056.	2,371.	21,979.
	TOTAL	4,203.	2,403.	21,980.
01 DALLAS CO	POINT	0.	593.	3,807.
	AREA	6,116.	3,314.	26,391.
	TOTAL	6,116.	3,907.	30,198.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
01 DE KALB CO	POINT	0.	0.	0.
	AREA	6,495.	4,414.	33,161.
	TOTAL	6,495.	4,414.	33,161.
01 ELMORE CO	POINT	0.	0.	0.
	AREA	4,438.	2,621.	21,195.
	TOTAL	4,438.	2,621.	21,195.
01 ESCAMBIA CO	POINT	823.	2,469.	8,427.
	AREA	4,552.	2,528.	22,986.
	TOTAL	5,375.	4,997.	31,413.
01 ETOWAH CO	POINT	1,756.	6,294.	8,009.
	AREA	11,141.	6,007.	65,058.
	TOTAL	12,897.	12,301.	73,067.
01 FAYETTE CO	POINT	40.	200.	40.
	AREA	2,698.	1,222.	9,955.
	TOTAL	2,738.	1,422.	9,995.
01 FRANKLIN CO	POINT	0.	0.	0.
	AREA	3,253.	2,016.	16,756.
	TOTAL	3,253.	2,016.	16,756.
01 GENEVA CO	POINT	0.	0.	0.
	AREA	3,020.	1,670.	14,754.
	TOTAL	3,020.	1,670.	14,754.
01 GREENE CO	POINT	192.	19,248.	642.
	AREA	1,445.	794.	6,286.
	TOTAL	1,637.	20,042.	6,928.
01 HALE CO	POINT	0.	0.	0.
	AREA	1,719.	1,198.	8,681.
	TOTAL	1,719.	1,198.	8,681.
01 HENRY CO	POINT	88.	443.	88.
	AREA	1,779.	1,057.	9,326.
	TOTAL	1,867.	1,500.	9,414.
01 HOUSTON CO	POINT	100.	1.	0.
	AREA	10,347.	4,836.	42,002.
	TOTAL	10,447.	4,837.	42,002.
01 JACKSON CO	POINT	1,304.	33,852.	2,074.
	AREA	6,111.	3,489.	26,930.
	TOTAL	7,415.	37,341.	29,004.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
01 JEFFERSON CO	POINT	14,081.	5,799.	122,203.
	AREA	60,474.	31,817.	290,076.
	TOTAL	74,555.	37,616.	412,279.
01 LAMAR CO	POINT	48.	240.	48.
	AREA	2,094.	1,311.	8,786.
	TOTAL	2,142.	1,551.	8,834.
01 LAUDERDALE CO	POINT	0.	0.	0.
	AREA	7,920.	4,544.	38,946.
	TOTAL	7,920.	4,544.	38,946.
01 LAWRENCE CO	POINT	102.	1,219.	4,187.
	AREA	2,620.	1,921.	11,012.
	TOTAL	2,722.	3,140.	15,199.
01 LEE CO	POINT	580.	434.	26.
	AREA	6,193.	3,359.	28,701.
	TOTAL	6,773.	3,793.	28,727.
01 LIMESTONE CO	POINT	1.	92.	8.
	AREA	5,139.	3,253.	24,107.
	TOTAL	5,140.	3,345.	24,115.
01 LOWNDES CO	POINT	0.	0.	0.
	AREA	1,327.	804.	6,342.
	TOTAL	1,327.	804.	6,342.
01 MACON CO	POINT	0.	0.	0.
	AREA	2,802.	1,343.	15,696.
	TOTAL	2,802.	1,343.	15,696.
01 MADISON CO	POINT	0.	10.	2.
	AREA	19,901.	9,455.	80,948.
	TOTAL	19,901.	9,465.	80,950.
01 MARENGO CO	POINT	43.	1,304.	7,337.
	AREA	2,368.	1,476.	11,771.
	TOTAL	2,411.	2,780.	19,108.
01 MARION CO	POINT	0.	0.	0.
	AREA	3,845.	1,888.	13,701.
	TOTAL	3,845.	1,888.	13,701.
01 MARSHALL CO	POINT	1,062.	318.	62.
	AREA	9,697.	5,753.	51,151.
	TOTAL	10,759.	6,071.	51,213.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
01 MOBILE CO	POINT	4,559.	28,832.	7,920.
	AREA	32,039.	17,103.	147,636.
	TOTAL	36,598.	45,935.	155,556.
01 MONROE CO	POINT	12.	60.	12.
	AREA	3,014.	1,509.	12,236.
	TOTAL	3,026.	1,569.	12,248.
01 MONTGOMERY CO	POINT	0.	114.	0.
	AREA	18,529.	9,797.	87,685.
	TOTAL	18,529.	9,911.	87,685.
01 MORGAN CO	POINT	26,359.	11,756.	10,600.
	AREA	11,168.	5,716.	46,615.
	TOTAL	37,527.	17,472.	57,215.
01 PERRY CO	POINT	0.	0.	0.
	AREA	1,349.	817.	6,576.
	TOTAL	1,349.	817.	6,576.
01 PICKENS CO	POINT	0.	0.	0.
	AREA	2,151.	1,431.	9,572.
	TOTAL	2,151.	1,431.	9,572.
01 PIKE CO	POINT	0.	0.	0.
	AREA	16,092.	6,099.	39,464.
	TOTAL	16,092.	6,099.	39,464.
01 RANDOLPH CO	POINT	0.	0.	0.
	AREA	2,628.	1,400.	9,909.
	TOTAL	2,628.	1,400.	9,909.
01 RUSSELL CO	POINT	1,754.	2,169.	32,120.
	AREA	5,400.	2,684.	28,698.
	TOTAL	7,154.	4,853.	60,818.
01 ST CLAIR CO	POINT	0.	887.	0.
	AREA	4,554.	2,792.	25,312.
	TOTAL	4,554.	3,679.	25,312.
01 SHELBY CO	POINT	765.	47,750.	13,595.
	AREA	6,361.	3,952.	28,865.
	TOTAL	7,126.	51,702.	42,460.
01 SUMTER CO	POINT	64.	320.	64.
	AREA	2,187.	1,288.	9,516.
	TOTAL	2,251.	1,608.	9,580.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
01 TALLADEGA CO	POINT	245.	3,689.	8,625.
	AREA	8,509.	4,231.	42,833.
	TOTAL	8,754.	7,920.	51,458.
01 TALLAPOOSA CO	POINT	92.	853.	1,209.
	AREA	5,899.	2,485.	23,878.
	TOTAL	5,991.	3,338.	25,087.
01 TUSCALOOSA CO	POINT	22,836.	8,063.	3,779.
	AREA	14,789.	7,071.	61,615.
	TOTAL	37,625.	15,134.	65,394.
01 WALKER CO	POINT	1,179.	60,487.	5,141.
	AREA	8,035.	5,046.	39,142.
	TOTAL	9,214.	65,533.	44,283.
01 WASHINGTON CO	POINT	382.	2,299.	619.
	AREA	2,448.	1,619.	13,613.
	TOTAL	2,830.	3,918.	14,232.
01 WILCOX CO	POINT	139.	1,141.	8,281.
	AREA	1,646.	1,142.	7,955.
	TOTAL	1,785.	2,283.	16,236.
01 WINSTON CO	POINT	0.	0.	0.
	AREA	3,076.	1,759.	11,752.
	TOTAL	3,076.	1,759.	11,752.
02 ALEUTIAN ISLANDS ED	POINT	472.	3,776.	826.
	AREA	817.	2,289.	2,333.
	TOTAL	1,289.	6,065.	3,159.
02 ANCHORAGE ED	POINT	3,066.	4,129.	512.
	AREA	17,881.	18,597.	125,769.
	TOTAL	20,947.	22,726.	126,281.
02 ANGOON ED	POINT	1.	15.	3.
	AREA	144.	55.	309.
	TOTAL	145.	70.	312.
02 BARROW ED	POINT	145.	1,357.	396.
	AREA	741.	366.	2,225.
	TOTAL	886.	1,723.	2,621.
02 BETHEL ED	POINT	92.	270.	60.
	AREA	1,579.	567.	9,102.
	TOTAL	1,671.	837.	9,162.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
02 BRISTOL BAY BOROUGH E	POINT	28.	133.	30.
	AREA	78.	125.	432.
	TOTAL	106.	258.	462.
02 BRISTOL BAY ED	POINT	31.	93.	20.
	AREA	576.	364.	2,374.
	TOTAL	607.	457.	2,394.
02 CORDOVA-MC CARTHY ED	POINT	36.	221.	48.
	AREA	248.	444.	1,204.
	TOTAL	284.	665.	1,252.
02 FAIRBANKS ED	POINT	527.	4,038.	586.
	AREA	6,170.	4,932.	36,747.
	TOTAL	6,697.	8,970.	37,333.
02 HAINES ED	POINT	236.	395.	196.
	AREA	203.	199.	910.
	TOTAL	439.	594.	1,106.
02 JUNEAU ED	POINT	117.	604.	135.
	AREA	1,675.	1,586.	9,654.
	TOTAL	1,792.	2,190.	9,789.
02 KENAI-COOK INLET ED	POINT	18,392.	6,304.	1,741.
	AREA	1,585.	1,914.	8,747.
	TOTAL	19,977.	8,218.	10,488.
02 KETCHIKAN ED	POINT	300.	934.	2,119.
	AREA	1,358.	1,574.	7,502.
	TOTAL	1,658.	2,508.	9,621.
02 KOBUK ED	POINT	74.	308.	67.
	AREA	1,910.	481.	11,148.
	TOTAL	1,984.	789.	11,215.
02 KODIAK ED	POINT	102.	77.	35.
	AREA	954.	1,283.	4,942.
	TOTAL	1,056.	1,360.	4,977.
02 KUSKOKWIM	POINT	14.	175.	38.
	AREA	3,598.	683.	21,330.
	TOTAL	3,612.	858.	21,368.
02 MATANUSKA-SUSITNA ED	POINT	0.	0.	0.
	AREA	839.	954.	5,213.
	TOTAL	839.	954.	5,213.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
02 NOME ED	POINT	127.	418.	91.
	AREA	1,488.	549.	8,463.
	TOTAL	1,615.	967.	8,554.
02 OUTER KETCHIKAN ED	POINT	0.	0.	0.
	AREA	72.	107.	349.
	TOTAL	72.	107.	349.
02 PRINCE OF WALES ED	POINT	0.	0.	0.
	AREA	141.	124.	650.
	TOTAL	141.	124.	650.
02 SEWARD ED	POINT	38.	2.	304.
	AREA	234.	298.	1,180.
	TOTAL	272.	300.	1,484.
02 SITKA ED	POINT	68.	467.	3,045.
	AREA	1,058.	2,394.	3,140.
	TOTAL	1,126.	2,861.	6,185.
02 SKAGWAY-YAKUTAT ED	POINT	66.	0.	0.
	AREA	171.	206.	882.
	TOTAL	237.	206.	882.
02 SOUTHEAST FAIRBANKS E	POINT	265.	389.	94.
	AREA	497.	408.	2,504.
	TOTAL	762.	797.	2,598.
02 UPPER YUKON ED	POINT	35.	332.	74.
	AREA	2,011.	408.	12,034.
	TOTAL	2,046.	740.	12,108.
02 VALDEZ-CHITINA-WHITTI	POINT	2,904.	1,384.	308.
	AREA	505.	638.	2,191.
	TOTAL	3,409.	2,022.	2,499.
02 WADE HAMPTON ED	POINT	27.	254.	55.
	AREA	1,264.	392.	7,439.
	TOTAL	1,291.	646.	7,494.
02 WRANGELL-PETERSBURG E	POINT	155.	890.	201.
	AREA	957.	1,671.	2,382.
	TOTAL	1,112.	2,561.	2,583.
02 YUKON-KOYUKUK ED	POINT	162.	2,966.	403.
	AREA	3,129.	745.	18,107.
	TOTAL	3,291.	3,711.	18,510.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
03 APACHE CO	POINT	58.	199.	267.
	AREA	3,732.	1,691.	23,868.
	TOTAL	3,790.	1,890.	24,135.
03 COCHISE CO	POINT	678.	3,051.	55.
	AREA	7,850.	3,460.	60,175.
	TOTAL	8,528.	6,511.	60,230.
03 COCONINO CO	POINT	1,152.	97,249.	3,523.
	AREA	8,674.	3,472.	59,256.
	TOTAL	9,826.	100,721.	62,779.
03 GILA CO	POINT	27.	491.	19.
	AREA	4,925.	1,932.	36,329.
	TOTAL	4,952.	2,423.	36,348.
03 GRAHAM CO	POINT	16.	0.	0.
	AREA	1,931.	1,179.	9,606.
	TOTAL	1,947.	1,179.	9,606.
03 GREENLEE CO	POINT	64.	1,747.	173.
	AREA	1,287.	888.	7,697.
	TOTAL	1,351.	2,635.	7,870.
03 MARICOPA CO	POINT	5,896.	19,462.	7,582.
	AREA	125,792.	68,643.	665,297.
	TOTAL	131,688.	88,105.	672,879.
03 MOHAVE CO	POINT	16.	8.	1.
	AREA	6,581.	2,981.	26,755.
	TOTAL	6,597.	2,989.	26,756.
03 NAVAJO CO	POINT	164.	4,231.	11,544.
	AREA	5,443.	2,737.	31,462.
	TOTAL	5,607.	6,968.	43,006.
03 PIMA CO	POINT	3,390.	9,160.	898.
	AREA	40,796.	23,619.	231,125.
	TOTAL	44,186.	32,779.	232,023.
03 PINAL CO	POINT	62.	2,152.	89.
	AREA	7,963.	5,612.	43,419.
	TOTAL	8,025.	7,764.	43,508.
03 SANTA CRUZ CO	POINT	2,707.	541.	7,651.
	AREA	2,022.	775.	15,260.
	TOTAL	4,729.	1,316.	22,911.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
03 YAVAPAI CO	POINT	36.	446.	117.
	AREA	6,546.	3,013.	49,775.
	TOTAL	6,582.	3,459.	49,892.
03 YUMA CO	POINT	169.	1,005.	92.
	AREA	8,945.	5,016.	47,485.
	TOTAL	9,114.	6,021.	47,577.
04 ARKANSAS CO	POINT	93.	21.	635.
	AREA	3,113.	1,937.	15,623.
	TOTAL	3,206.	1,958.	16,258.
04 ASHLEY CO	POINT	1,733.	7,464.	13,160.
	AREA	3,055.	1,751.	12,776.
	TOTAL	4,788.	9,215.	25,936.
04 BAXTER CO	POINT	0.	0.	0.
	AREA	6,816.	1,571.	13,007.
	TOTAL	6,816.	1,571.	13,007.
04 BENTON CO	POINT	2.	3.	54.
	AREA	8,507.	4,472.	31,022.
	TOTAL	8,509.	4,475.	31,076.
04 BOONE CO	POINT	230.	1.	656.
	AREA	2,878.	1,864.	13,403.
	TOTAL	3,108.	1,865.	14,059.
04 BRADLEY CO	POINT	248.	775.	425.
	AREA	1,372.	742.	6,485.
	TOTAL	1,620.	1,517.	6,910.
04 CALHOUN CO	POINT	8.	0.	98.
	AREA	687.	415.	2,530.
	TOTAL	695.	415.	2,628.
04 CARROLL CO	POINT	0.	0.	0.
	AREA	1,715.	1,211.	8,032.
	TOTAL	1,715.	1,211.	8,032.
04 CHICOT CO	POINT	198.	53.	637.
	AREA	1,910.	1,146.	9,010.
	TOTAL	2,108.	1,199.	9,647.
04 CLARK CO	POINT	450.	109.	1,222.
	AREA	2,577.	1,528.	12,009.
	TOTAL	3,027.	1,637.	13,231.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
04 CLAY CO	POINT	53.	9.	214.
	AREA	2,211.	1,522.	11,024.
	TOTAL	2,264.	1,531.	11,238.
04 CLEBURNE CO	POINT	0.	0.	0.
	AREA	1,746.	1,122.	7,410.
	TOTAL	1,746.	1,122.	7,410.
04 CLEVELAND CO	POINT	0.	0.	0.
	AREA	659.	493.	3,157.
	TOTAL	659.	493.	3,157.
04 COLUMBIA CO	POINT	1,327.	879.	861.
	AREA	3,302.	1,826.	12,862.
	TOTAL	4,629.	2,705.	13,723.
04 CONWAY CO	POINT	3.	310.	2,271.
	AREA	2,519.	1,214.	9,600.
	TOTAL	2,522.	1,524.	11,871.
04 CRAIGHEAD CO	POINT	0.	64.	3.
	AREA	6,314.	3,615.	26,101.
	TOTAL	6,314.	3,679.	26,104.
04 CRAWFORD CO	POINT	126.	25.	357.
	AREA	3,156.	2,034.	13,821.
	TOTAL	3,282.	2,059.	14,178.
04 CRITTENDEN CO	POINT	47.	9.	1,185.
	AREA	5,207.	2,977.	22,682.
	TOTAL	5,254.	2,986.	23,867.
04 CROSS CO	POINT	101.	20.	286.
	AREA	1,829.	1,462.	8,715.
	TOTAL	1,930.	1,482.	9,001.
04 DALLAS CO	POINT	136.	345.	345.
	AREA	1,202.	736.	5,420.
	TOTAL	1,338.	1,081.	5,765.
04 DESHA CO	POINT	64.	94.	1,002.
	AREA	2,402.	1,281.	9,557.
	TOTAL	2,466.	1,375.	10,559.
04 DREW CO	POINT	24.	46.	187.
	AREA	1,906.	1,086.	7,182.
	TOTAL	1,930.	1,132.	7,369.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
04 FAULKNER CO	POINT	100.	0.	0.
	AREA	4,820.	2,486.	17,290.
	TOTAL	4,920.	2,486.	17,290.
04 FRANKLIN CO	POINT	209.	987.	686.
	AREA	1,423.	961.	6,966.
	TOTAL	1,632.	1,948.	7,652.
04 FULTON CO	POINT	0.	0.	0.
	AREA	1,258.	717.	6,792.
	TOTAL	1,258.	717.	6,792.
04 GARLAND CO	POINT	111.	486.	453.
	AREA	6,881.	3,610.	32,991.
	TOTAL	6,992.	4,096.	33,444.
04 GRANT CO	POINT	205.	529.	1,300.
	AREA	1,744.	894.	7,416.
	TOTAL	1,949.	1,423.	8,716.
04 GREENE CO	POINT	103.	20.	294.
	AREA	4,448.	1,939.	14,757.
	TOTAL	4,551.	1,959.	15,051.
04 HEMPSTEAD CO	POINT	174.	264.	1,291.
	AREA	2,481.	1,722.	12,769.
	TOTAL	2,655.	1,986.	14,060.
04 HOT SPRING CO	POINT	271.	10,757.	935.
	AREA	2,701.	1,946.	12,073.
	TOTAL	2,972.	12,703.	13,008.
04 HOWARD CO	POINT	930.	719.	2,461.
	AREA	1,507.	1,112.	7,426.
	TOTAL	2,437.	1,831.	9,887.
04 INDEPENDENCE CO	POINT	120.	741.	346.
	AREA	3,728.	2,147.	14,712.
	TOTAL	3,848.	2,888.	15,058.
04 IZARD CO	POINT	0.	0.	0.
	AREA	1,175.	719.	6,318.
	TOTAL	1,175.	719.	6,318.
04 JACKSON CO	POINT	2,737.	27.	495.
	AREA	2,006.	1,482.	9,635.
	TOTAL	4,743.	1,509.	10,130.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
04 JEFFERSON CO	POINT	455.	4,392.	26,272.
	AREA	9,870.	5,259.	42,155.
	TOTAL	10,325.	9,651.	68,427.
04 JOHNSON CO	POINT	14.	11.	165.
	AREA	1,949.	1,180.	8,100.
	TOTAL	1,963.	1,191.	8,265.
04 LAFAYETTE CO	POINT	83.	2,089.	509.
	AREA	1,354.	710.	5,110.
	TOTAL	1,437.	2,799.	5,619.
04 LAWRENCE CO	POINT	67.	12.	286.
	AREA	1,868.	1,448.	9,776.
	TOTAL	1,935.	1,460.	10,062.
04 LEE CO	POINT	64.	12.	181.
	AREA	1,524.	1,023.	7,448.
	TOTAL	1,588.	1,035.	7,629.
04 LINCOLN CO	POINT	0.	6.	0.
	AREA	971.	793.	4,525.
	TOTAL	971.	799.	4,525.
04 LITTLE RIVER CO	POINT	230.	1,160.	4,620.
	AREA	1,542.	1,051.	8,865.
	TOTAL	1,772.	2,211.	13,485.
04 LOGAN CO	POINT	475.	28.	1,650.
	AREA	2,199.	1,154.	10,154.
	TOTAL	2,674.	1,182.	11,804.
04 LONOKE CO	POINT	152.	30.	430.
	AREA	3,146.	2,099.	13,740.
	TOTAL	3,298.	2,129.	14,170.
04 MADISON CO	POINT	273.	0.	873.
	AREA	1,281.	881.	7,211.
	TOTAL	1,554.	881.	8,084.
04 MARION CO	POINT	100.	0.	320.
	AREA	1,461.	687.	6,475.
	TOTAL	1,561.	687.	6,795.
04 MILLER CO	POINT	20.	1.	243.
	AREA	8,062.	3,430.	36,622.
	TOTAL	8,082.	3,431.	36,865.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
04 MISSISSIPPI CO	POINT	69.	74.	183.
	AREA	7,145.	4,110.	25,130.
	TOTAL	7,214.	4,184.	25,313.
04 MONROE CO	POINT	117.	10.	1,388.
	AREA	1,422.	892.	6,724.
	TOTAL	1,539.	902.	8,112.
04 MONTGOMERY CO	POINT	0.	0.	0.
	AREA	1,016.	487.	4,136.
	TOTAL	1,016.	487.	4,136.
04 NEVADA CO	POINT	105.	254.	214.
	AREA	1,129.	702.	5,544.
	TOTAL	1,234.	956.	5,758.
04 NEWTON CO	POINT	273.	0.	873.
	AREA	774.	481.	4,721.
	TOTAL	1,047.	481.	5,594.
04 OUACHITA CO	POINT	2,660.	1,884.	6,145.
	AREA	3,693.	2,476.	15,814.
	TOTAL	6,353.	4,360.	21,959.
04 PERRY CO	POINT	0.	0.	0.
	AREA	674.	514.	3,437.
	TOTAL	674.	514.	3,437.
04 PHILLIPS CO	POINT	153.	15,161.	19,008.
	AREA	4,217.	2,634.	15,675.
	TOTAL	4,370.	17,795.	34,683.
04 PIKE CO	POINT	21.	109.	21.
	AREA	1,129.	762.	4,611.
	TOTAL	1,150.	871.	4,632.
04 POINSETT CO	POINT	138.	31.	391.
	AREA	2,405.	1,862.	12,679.
	TOTAL	2,543.	1,893.	13,070.
04 POLK CO	POINT	0.	0.	0.
	AREA	1,788.	1,152.	8,465.
	TOTAL	1,788.	1,152.	8,465.
04 POPE CO	POINT	23.	53.	100.
	AREA	4,160.	2,476.	18,242.
	TOTAL	4,183.	2,529.	18,342.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
04 PRAIRIE CO	POINT	10.	0.	118.
	AREA	1,157.	885.	5,459.
	TOTAL	1,167.	885.	5,577.
04 PULASKI CO	POINT	1,614.	1,010.	372.
	AREA	33,118.	19,532.	143,516.
	TOTAL	34,732.	20,542.	143,888.
04 RANDOLPH CO	POINT	57.	12.	161.
	AREA	2,237.	1,078.	9,891.
	TOTAL	2,294.	1,090.	10,052.
04 ST FRANCIS CO	POINT	242.	1,839.	1,322.
	AREA	3,640.	1,884.	14,081.
	TOTAL	3,882.	3,723.	15,403.
04 SALINE CO	POINT	50.	1,153.	269.
	AREA	3,812.	3,608.	16,019.
	TOTAL	3,862.	4,761.	16,288.
04 SCOTT CO	POINT	202.	0.	648.
	AREA	1,144.	751.	5,076.
	TOTAL	1,346.	751.	5,724.
04 SEARCY CO	POINT	0.	0.	0.
	AREA	944.	635.	4,960.
	TOTAL	944.	635.	4,960.
04 SEBASTIAN CO	POINT	508.	94.	14.
	AREA	13,751.	5,790.	42,258.
	TOTAL	14,259.	5,884.	42,272.
04 SEVIER CO	POINT	71.	104.	167.
	AREA	1,840.	1,021.	7,526.
	TOTAL	1,911.	1,125.	7,693.
04 SHARP CO	POINT	0.	0.	0.
	AREA	1,325.	908.	7,346.
	TOTAL	1,325.	908.	7,346.
04 STONE CO	POINT	0.	0.	0.
	AREA	842.	557.	4,304.
	TOTAL	842.	557.	4,304.
04 UNION CO	POINT	2,372.	809.	552.
	AREA	5,453.	3,643.	26,580.
	TOTAL	7,825.	4,452.	27,132.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS * HC	NOX	CO
04 VAN BUREN CO	POINT	0.	0.	0.
	AREA	1,154.	733.	5,419.
	TOTAL	1,154.	733.	5,419.
04 WASHINGTON CO	POINT	227.	0.	0.
	AREA	10,198.	6,731.	55,870.
	TOTAL	10,425.	6,731.	55,870.
04 WHITE CO	POINT	48.	85.	16.
	AREA	4,414.	3,116.	21,905.
	TOTAL	4,462.	3,201.	21,921.
04 WOODRUFF CO	POINT	18.	1,975.	134.
	AREA	1,185.	859.	5,786.
	TOTAL	1,203.	2,834.	5,920.
04 YELL CO	POINT	3.	4.	36.
	AREA	1,657.	1,189.	8,446.
	TOTAL	1,660.	1,193.	8,482.
05 ALAMEDA CO	POINT	7,914.	3,756.	880.
	AREA	118,141.	41,286.	615,300.
	TOTAL	126,055.	45,042.	616,180.
05 ALPINE CO	POINT	0.	0.	0.
	AREA	72.	32.	445.
	TOTAL	72.	32.	445.
05 AMADOR CO	POINT	388.	315.	61.
	AREA	3,243.	1,161.	17,034.
	TOTAL	3,631.	1,476.	17,095.
05 BUTTE CO	POINT	1,326.	204.	319.
	AREA	16,871.	5,878.	97,067.
	TOTAL	18,197.	6,082.	97,386.
05 CALAVERAS CO	POINT	0.	3,042.	1.
	AREA	4,078.	1,332.	22,125.
	TOTAL	4,078.	4,374.	22,126.
05 COLUSA CO	POINT	0.	0.	0.
	AREA	5,175.	1,234.	27,010.
	TOTAL	5,175.	1,234.	27,010.
05 CONTRA COSTA CO	POINT	39,034.	62,323.	13,549.
	AREA	56,268.	23,476.	326,000.
	TOTAL	95,302.	85,799.	339,549.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
05 DEL NORTE CO	POINT	866.	63.	1,606.
	AREA	2,899.	1,129.	14,800.
	TOTAL	3,765.	1,192.	16,406.
05 EL DORADO CO	POINT	2,538.	511.	2,570.
	AREA	8,860.	3,096.	45,426.
	TOTAL	11,398.	3,607.	47,996.
05 FRESNO CO	POINT	11,651.	4,000.	2,485.
	AREA	45,204.	17,881.	242,027.
	TOTAL	56,855.	21,881.	244,512.
05 GLENN CO	POINT	86.	223.	195.
	AREA	4,954.	1,571.	26,334.
	TOTAL	5,040.	1,794.	26,529.
05 HUMBOLDT CO	POINT	2,857.	4,035.	13,179.
	AREA	14,220.	6,334.	77,294.
	TOTAL	17,077.	10,369.	90,473.
05 IMPERIAL CO	POINT	73.	4,047.	160.
	AREA	8,403.	3,771.	49,033.
	TOTAL	8,476.	7,818.	49,193.
05 INYO CO	POINT	8.	202.	20.
	AREA	2,135.	1,076.	9,821.
	TOTAL	2,143.	1,278.	9,841.
05 KERN CO	POINT	22,606.	66,529.	134,929.
	AREA	33,659.	13,735.	192,269.
	TOTAL	56,265.	80,264.	327,198.
05 KINGS CO	POINT	1,491.	5,218.	4,129.
	AREA	7,696.	3,479.	38,587.
	TOTAL	9,187.	8,697.	42,716.
05 LAKE CO	POINT	17.	2.	3.
	AREA	23,066.	4,697.	130,198.
	TOTAL	23,083.	4,699.	130,201.
05 LASSEN CO	POINT	362.	1,085.	1,898.
	AREA	3,237.	1,022.	15,708.
	TOTAL	3,599.	2,107.	17,606.
05 LOS ANGELES CO	POINT	276,394.	125,267.	717,701.
	AREA	802,266.	281,251.	4,046,609.
	TOTAL	1,078,660.	406,518.	4,764,310.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
05 MADERA CO	POINT	8,318.	4,695.	696.
	AREA	5,245.	2,574.	28,138.
	TOTAL	13,563.	7,269.	28,834.
05 MARIN CO	POINT	68.	17.	2.
	AREA	21,574.	7,483.	120,579.
	TOTAL	21,642.	7,500.	120,581.
05 MARIPOSA CO	POINT	23.	4.	46.
	AREA	1,344.	521.	6,755.
	TOTAL	1,367.	525.	6,801.
05 MENDOCINO CO	POINT	1,048.	881.	4,550.
	AREA	21,355.	5,500.	121,716.
	TOTAL	22,403.	6,381.	126,266.
05 MERCED CO	POINT	26.	621.	59.
	AREA	12,712.	5,650.	64,926.
	TOTAL	12,738.	6,271.	64,985.
05 MODOC CO	POINT	261.	411.	2,031.
	AREA	2,403.	623.	11,052.
	TOTAL	2,664.	1,034.	13,083.
05 MONO CO	POINT	0.	0.	0.
	AREA	3,049.	648.	14,655.
	TOTAL	3,049.	648.	14,655.
05 MONTEREY CO	POINT	1,502.	29,291.	2,005.
	AREA	27,195.	9,601.	149,271.
	TOTAL	28,697.	38,892.	151,276.
05 NAPA CO	POINT	20.	4.	18.
	AREA	8,933.	3,925.	47,493.
	TOTAL	8,953.	3,929.	47,511.
05 NEVADA CO	POINT	171.	365.	61.
	AREA	4,425.	1,985.	21,349.
	TOTAL	4,596.	2,350.	21,410.
05 ORANGE CO	POINT	19,711.	8,300.	998.
	AREA	165,780.	58,164.	852,576.
	TOTAL	185,491.	66,464.	853,574.
05 PLACER CO	POINT	2,728.	421.	1,083.
	AREA	11,072.	4,749.	58,958.
	TOTAL	13,800.	5,170.	60,041.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
05 PLUMAS CO	POINT	1,723.	547.	4,230.
	AREA	6,815.	1,534.	37,469.
	TOTAL	8,538.	2,081.	41,699.
05 RIVERSIDE CO	POINT	2,137.	3,030.	66.
	AREA	45,345.	18,289.	237,844.
	TOTAL	47,482.	21,319.	237,910.
05 SACRAMENTO CO	POINT	1,975.	356.	141.
	AREA	65,994.	25,996.	391,428.
	TOTAL	67,969.	26,352.	391,569.
05 SAN BENITO CO	POINT	1.	18.	1.
	AREA	2,652.	1,250.	14,425.
	TOTAL	2,653.	1,268.	14,426.
05 SAN BERNARDINO CO	POINT	7,117.	21,125.	63,032.
	AREA	67,141.	25,870.	368,302.
	TOTAL	74,258.	46,995.	431,334.
05 SAN DIEGO CO	POINT	23,000.	16,024.	1,925.
	AREA	144,478.	53,002.	782,598.
	TOTAL	167,478.	69,026.	784,523.
05 SAN FRANCISCO CO	POINT	176.	8,266.	418.
	AREA	70,122.	27,611.	357,328.
	TOTAL	70,298.	35,877.	357,746.
05 SAN JOAQUIN CO	POINT	2,507.	3,394.	377.
	AREA	29,226.	12,221.	160,110.
	TOTAL	31,733.	15,615.	160,487.
05 SAN LUIS OBISPO CO	POINT	4,337.	18,349.	509.
	AREA	12,982.	4,638.	64,228.
	TOTAL	17,319.	22,987.	64,737.
05 SAN MATEO CO	POINT	1,434.	138.	117.
	AREA	65,335.	22,006.	341,042.
	TOTAL	66,769.	22,144.	341,159.
05 SANTA BARBARA CO	POINT	6,356.	2,534.	101.
	AREA	37,868.	11,857.	208,057.
	TOTAL	44,224.	14,391.	208,158.
05 SANTA CLARA CO	POINT	6,468.	4,762.	444.
	AREA	143,072.	40,875.	641,265.
	TOTAL	149,540.	45,637.	641,709.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
05 SANTA CRUZ CO	POINT	0.	511.	1.
	AREA	14,583.	5,758.	78,113.
	TOTAL	14,583.	6,269.	78,114.
05 SHASTA CO	POINT	1,048.	3,437.	5,228.
	AREA	21,998.	10,638.	94,538.
	TOTAL	23,046.	14,075.	99,766.
05 SIERRA CO	POINT	72.	144.	72.
	AREA	265.	154.	1,359.
	TOTAL	337.	298.	1,431.
05 SISKIYOU CO	POINT	1,617.	670.	17,446.
	AREA	13,687.	3,648.	75,338.
	TOTAL	15,304.	4,318.	92,784.
05 SOLANO CO	POINT	2,970.	5,951.	2,255.
	AREA	17,088.	7,241.	99,210.
	TOTAL	20,058.	13,192.	101,465.
05 SONOMA CO	POINT	668.	102.	3,794.
	AREA	26,902.	11,408.	142,495.
	TOTAL	27,570.	11,510.	146,289.
05 STANISLAUS CO	POINT	101.	1,238.	129.
	AREA	25,458.	10,688.	145,736.
	TOTAL	25,559.	11,926.	145,865.
05 SUTTER CO	POINT	0.	0.	0.
	AREA	8,349.	2,678.	45,455.
	TOTAL	8,349.	2,678.	45,455.
05 TEHAMA CO	POINT	462.	1,000.	2,502.
	AREA	5,906.	2,124.	29,856.
	TOTAL	6,368.	3,124.	32,358.
05 TRINITY CO	POINT	2,037.	152.	8,071.
	AREA	5,626.	1,291.	32,495.
	TOTAL	7,663.	1,443.	40,566.
05 TULARE CO	POINT	268.	110.	1,848.
	AREA	22,031.	9,561.	120,391.
	TOTAL	22,299.	9,671.	122,239.
05 TUOLUMNE CO	POINT	927.	601.	1,551.
	AREA	5,638.	1,908.	30,292.
	TOTAL	6,565.	2,509.	31,843.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
05 VENTURA CO	POINT	13,127.	16,679.	2,648.
	AREA	39,083.	15,027.	216,761.
	TOTAL	52,210.	31,706.	219,409.
05 YOLO CO	POINT	872.	879.	81.
	AREA	9,466.	4,094.	51,799.
	TOTAL	10,338.	4,973.	51,880.
05 YUBA CO	POINT	2,821.	417.	4,201.
	AREA	6,535.	2,274.	36,390.
	TOTAL	9,356.	2,691.	40,591.
06 ADAMS CO	POINT	3,342.	19,613.	19,791.
	AREA	22,238.	8,218.	153,298.
	TOTAL	25,580.	27,831.	173,089.
06 ALAMOSA CO	POINT	22.	451.	45.
	AREA	1,527.	686.	12,181.
	TOTAL	1,549.	1,137.	12,226.
06 ARAPAHOE CO	POINT	7.	23.	63.
	AREA	18,122.	7,393.	120,982.
	TOTAL	18,129.	7,416.	121,045.
06 ARCHULETA CO	POINT	0.	0.	0.
	AREA	486.	214.	3,054.
	TOTAL	486.	214.	3,054.
06 BACA CO	POINT	0.	0.	0.
	AREA	946.	607.	7,413.
	TOTAL	946.	607.	7,413.
06 BENT CO	POINT	0.	0.	2.
	AREA	817.	371.	6,184.
	TOTAL	817.	371.	6,186.
06 BOULDER CO	POINT	220.	4,918.	304.
	AREA	20,244.	6,858.	121,322.
	TOTAL	20,464.	11,776.	121,626.
06 CHAFFEE CO	POINT	0.	0.	0.
	AREA	1,597.	670.	12,455.
	TOTAL	1,597.	670.	12,455.
06 CHEYENNE CO	POINT	0.	0.	0.
	AREA	355.	241.	2,868.
	TOTAL	355.	241.	2,868.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
06 CLEAR CREEK CO	POINT	2.	0.	126.
	AREA	668.	347.	4,681.
	TOTAL	670.	347.	4,807.
06 CONEJOS CO	POINT	0.	0.	1.
	AREA	999.	519.	6,780.
	TOTAL	999.	519.	6,781.
06 COSTILLA CO	POINT	0.	0.	0.
	AREA	433.	197.	3,063.
	TOTAL	433.	197.	3,063.
06 CROWLEY CO	POINT	0.	3.	0.
	AREA	457.	259.	3,402.
	TOTAL	457.	262.	3,402.
06 CUSTER CO	POINT	0.	0.	0.
	AREA	275.	142.	2,118.
	TOTAL	275.	142.	2,118.
06 DELTA CO	POINT	0.	0.	0.
	AREA	2,373.	1,227.	18,209.
	TOTAL	2,373.	1,227.	18,209.
06 DENVER CO	POINT	636.	13,005.	608.
	AREA	103,464.	32,146.	755,776.
	TOTAL	104,100.	45,151.	756,384.
06 DOLORES CO	POINT	0.	0.	0.
	AREA	319.	160.	2,366.
	TOTAL	319.	160.	2,366.
06 DOUGLAS CO	POINT	0.	71.	1.
	AREA	1,549.	991.	11,220.
	TOTAL	1,549.	1,062.	11,221.
06 EAGLE CO	POINT	0.	0.	0.
	AREA	1,379.	787.	9,203.
	TOTAL	1,379.	787.	9,203.
06 ELBERT CO	POINT	0.	0.	0.
	AREA	607.	433.	4,935.
	TOTAL	607.	433.	4,935.
06 EL PASO CO	POINT	180.	7,598.	415.
	AREA	30,082.	11,168.	206,072.
	TOTAL	30,262.	18,766.	206,487.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
06 FREMONT CO	POINT	14.	2,862.	67.
	AREA	3,313.	1,320.	25,794.
	TOTAL	3,327.	4,182.	25,861.
06 GARFIELD CO	POINT	1.	9.	7.
	AREA	2,468.	1,175.	18,005.
	TOTAL	2,469.	1,184.	18,012.
06 GILPIN CO	POINT	0.	0.	0.
	AREA	183.	102.	1,314.
	TOTAL	183.	102.	1,314.
06 GRAND CO	POINT	1,412.	198.	722.
	AREA	1,077.	531.	7,405.
	TOTAL	2,489.	729.	8,127.
06 GUNNISON CO	POINT	0.	0.	0.
	AREA	1,322.	493.	9,326.
	TOTAL	1,322.	493.	9,326.
06 HINSDALE CO	POINT	0.	0.	0.
	AREA	185.	55.	1,225.
	TOTAL	185.	55.	1,225.
06 HUERFANO CO	POINT	7.	112.	15.
	AREA	998.	335.	7,029.
	TOTAL	1,005.	447.	7,044.
06 JACKSON CO	POINT	92.	23.	276.
	AREA	478.	216.	3,187.
	TOTAL	570.	239.	3,463.
06 JEFFERSON CO	POINT	510.	122.	142.
	AREA	22,950.	9,713.	146,439.
	TOTAL	23,460.	9,835.	146,581.
06 KIOWA CO	POINT	0.	0.	0.
	AREA	484.	253.	3,287.
	TOTAL	484.	253.	3,287.
06 KIT CARSON CO	POINT	0.	0.	0.
	AREA	1,227.	694.	9,778.
	TOTAL	1,227.	694.	9,778.
06 LAKE CO	POINT	15.	4.	1.
	AREA	903.	395.	6,894.
	TOTAL	918.	399.	6,895.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
06 LA PLATA CO	POINT	408.	1,682.	1,525.
	AREA	2,597.	1,179.	19,753.
	TOTAL	3,005.	2,861.	21,278.
06 LARIMER CO	POINT	118.	1,294.	126.
	AREA	14,411.	5,547.	100,857.
	TOTAL	14,529.	6,841.	100,983.
06 LAS ANIMAS CO	POINT	2.	129.	12.
	AREA	1,980.	770.	14,990.
	TOTAL	1,982.	899.	15,002.
06 LINCOLN CO	POINT	0.	0.	0.
	AREA	771.	445.	5,592.
	TOTAL	771.	445.	5,592.
06 LOGAN CO	POINT	10.	63.	0.
	AREA	3,248.	1,440.	25,567.
	TOTAL	3,258.	1,503.	25,567.
06 MESA CO	POINT	89.	2,482.	105.
	AREA	8,588.	3,782.	62,869.
	TOTAL	8,677.	6,264.	62,974.
06 MINERAL CO	POINT	0.	0.	0.
	AREA	180.	70.	1,258.
	TOTAL	180.	70.	1,258.
06 MOFFAT CO	POINT	795.	0.	0.
	AREA	1,702.	638.	12,384.
	TOTAL	2,497.	638.	12,384.
06 MONTEZUMA CO	POINT	363.	35.	4,290.
	AREA	2,097.	952.	16,457.
	TOTAL	2,460.	987.	20,747.
06 MONTROSE CO	POINT	96.	1,127.	607.
	AREA	2,648.	1,294.	19,915.
	TOTAL	2,744.	2,421.	20,522.
06 MORGAN CO	POINT	38.	378.	64.
	AREA	3,405.	1,524.	27,649.
	TOTAL	3,443.	1,902.	27,713.
06 OTERO CO	POINT	153.	1,050.	17.
	AREA	3,119.	1,293.	23,630.
	TOTAL	3,272.	2,343.	23,647.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
06 OURAY CO	POINT	0.	0.	0.
	AREA	242.	140.	1,798.
	TOTAL	242.	140.	1,798.
06 PARK CO	POINT	0.	0.	0.
	AREA	589.	258.	3,763.
	TOTAL	589.	258.	3,763.
06 PHILLIPS CO	POINT	0.	0.	0.
	AREA	643.	438.	5,435.
	TOTAL	643.	438.	5,435.
06 PITKIN CO	POINT	0.	0.	0.
	AREA	1,474.	945.	10,059.
	TOTAL	1,474.	945.	10,059.
06 PROWERS CO	POINT	1.	217.	10.
	AREA	1,955.	840.	14,566.
	TOTAL	1,956.	1,057.	14,576.
06 PUEBLO CO	POINT	2,432.	17,654.	32,763.
	AREA	13,067.	5,001.	99,860.
	TOTAL	15,499.	22,655.	132,623.
06 RIO BLANCO CO	POINT	55.	0.	17.
	AREA	939.	436.	6,336.
	TOTAL	994.	436.	6,353.
06 RIO GRANDE CO	POINT	166.	3.	1,966.
	AREA	1,498.	702.	11,056.
	TOTAL	1,664.	705.	13,022.
06 ROUTT CO	POINT	237.	14,283.	793.
	AREA	1,432.	809.	9,818.
	TOTAL	1,669.	15,092.	10,611.
06 SAGUACHE CO	POINT	0.	0.	0.
	AREA	757.	359.	5,457.
	TOTAL	757.	359.	5,457.
06 SAN JUAN CO	POINT	0.	0.	0.
	AREA	130.	52.	811.
	TOTAL	130.	52.	811.
06 SAN MIGUEL CO	POINT	1.	0.	4.
	AREA	378.	175.	2,665.
	TOTAL	379.	175.	2,669.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
06 SEDGWICK CO	POINT	2.	59.	9.
	AREA	581.	335.	4,201.
	TOTAL	583.	394.	4,210.
06 SUMMIT CO	POINT	0.	0.	0.
	AREA	749.	517.	5,125.
	TOTAL	749.	517.	5,125.
06 TELLER CO	POINT	0.	0.	0.
	AREA	653.	354.	4,753.
	TOTAL	653.	354.	4,753.
06 WASHINGTON CO	POINT	0.	0.	0.
	AREA	850.	599.	7,013.
	TOTAL	850.	599.	7,013.
06 WELD CO	POINT	378.	2,442.	345.
	AREA	13,957.	6,738.	109,753.
	TOTAL	14,335.	9,180.	110,098.
06 YUMA CO	POINT	9.	3,456.	72.
	AREA	1,379.	903.	11,174.
	TOTAL	1,388.	4,359.	11,246.
07 FAIRFIELD CO	POINT	3,799.	19,769.	549,095.
	AREA	85,796.	36,259.	333,321.
	TOTAL	89,595.	56,028.	882,416.
07 HARTFORD CO	POINT	5,402.	2,223.	7,695.
	AREA	80,082.	33,725.	340,356.
	TOTAL	85,484.	35,948.	348,051.
07 LITCHFIELD CO	POINT	262.	183.	1,174.
	AREA	17,740.	9,233.	71,301.
	TOTAL	18,002.	9,416.	72,475.
07 MIDDLESEX CO	POINT	143.	8,753.	435.
	AREA	14,647.	7,539.	56,645.
	TOTAL	14,790.	16,292.	57,080.
07 NEW HAVEN CO	POINT	5,904.	15,338.	1,016.
	AREA	73,795.	30,106.	313,788.
	TOTAL	79,699.	45,444.	314,804.
07 NEW LONDON CO	POINT	1,657,036.	4,320.	336.
	AREA	26,522.	11,941.	94,333.
	TOTAL	1,683,558.	16,261.	94,669.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
07 TOLLAND CO	POINT	87.	69.	6.
	AREA	9,048.	5,291.	45,482.
	TOTAL	9,135.	5,360.	45,488.
07 WINDHAM CO	POINT	187,019.	337.	30.
	AREA	10,917.	5,266.	36,226.
	TOTAL	197,936.	5,603.	36,256.
08 KENT CO	POINT	257.	2,576.	886.
	AREA	9,214.	5,675.	42,436.
	TOTAL	9,471.	8,251.	43,322.
08 NEW CASTLE CO	POINT	22,506.	27,387.	8,606.
	AREA	43,012.	19,849.	215,316.
	TOTAL	65,518.	47,236.	223,922.
08 SUSSEX CO	POINT	654.	7,192.	422.
	AREA	10,213.	7,039.	47,379.
	TOTAL	10,867.	14,231.	47,801.
09 WASHINGTON	POINT	567.	11,304.	7,393.
	AREA	40,995.	24,601.	220,673.
	TOTAL	41,562.	35,905.	228,066.
10 ALACHUA CO	POINT	55.	1,028.	197.
	AREA	11,615.	5,630.	64,474.
	TOTAL	11,670.	6,658.	64,671.
10 BAKER CO	POINT	1.	87.	7.
	AREA	1,242.	633.	6,899.
	TOTAL	1,243.	720.	6,906.
10 BAY CO	POINT	392.	10,863.	10,276.
	AREA	10,986.	4,523.	48,825.
	TOTAL	11,378.	15,386.	59,101.
10 BRADFORD CO	POINT	180.	688.	66.
	AREA	1,798.	894.	9,161.
	TOTAL	1,978.	1,582.	9,227.
10 BREVARD CO	POINT	182.	11,728.	658.
	AREA	25,761.	9,768.	133,272.
	TOTAL	25,943.	21,496.	133,930.
10 BROWARD CO	POINT	6,066.	11,757.	4,274.
	AREA	79,304.	37,530.	438,401.
	TOTAL	85,370.	49,287.	442,675.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
10 CALHOUN CO	POINT	1,320.	37.	121.
	AREA	908.	597.	3,745.
	TOTAL	2,228.	634.	3,866.
10 CHARLOTTE CO	POINT	0.	0.	0.
	AREA	4,875.	2,129.	25,083.
	TOTAL	4,875.	2,129.	25,083.
10 CITRUS CO	POINT	70.	7,351.	351.
	AREA	3,809.	1,785.	17,247.
	TOTAL	3,879.	9,136.	17,598.
10 CLAY CO	POINT	211.	202.	4.
	AREA	4,262.	2,110.	23,041.
	TOTAL	4,473.	2,312.	23,045.
10 COLLIER CO	POINT	2.	5.	53.
	AREA	10,783.	3,587.	61,333.
	TOTAL	10,785.	3,592.	61,386.
10 COLUMBIA CO	POINT	56.	30.	552.
	AREA	3,440.	1,557.	18,113.
	TOTAL	3,496.	1,587.	18,665.
10 DADE CO	POINT	669.	13,707.	4,346.
	AREA	138,311.	53,156.	735,243.
	TOTAL	138,980.	66,863.	739,589.
10 DE SOTO CO	POINT	38.	207.	39.
	AREA	1,625.	1,002.	9,628.
	TOTAL	1,663.	1,209.	9,667.
10 DIXIE CO	POINT	93.	453.	137.
	AREA	789.	512.	4,173.
	TOTAL	882.	965.	4,310.
10 DUVAL CO	POINT	2,993.	35,662.	4,327.
	AREA	74,487.	32,566.	467,318.
	TOTAL	77,480.	68,228.	471,645.
10 ESCAMBIA CO	POINT	3,615.	30,584.	9,687.
	AREA	18,372.	8,197.	102,571.
	TOTAL	21,987.	38,781.	112,258.
10 FLAGLER CO	POINT	13.	65.	13.
	AREA	1,031.	564.	4,856.
	TOTAL	1,044.	629.	4,869.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
10 FRANKLIN CO	POINT	99.	9.	1,176.
	AREA	1,135.	481.	5,944.
	TOTAL	1,234.	490.	7,120.
10 GADSDEN CO	POINT	29.	965.	57.
	AREA	2,967.	1,678.	17,066.
	TOTAL	2,996.	2,643.	17,123.
10 GILCHRIST CO	POINT	0.	9.	0.
	AREA	429.	300.	2,339.
	TOTAL	429.	309.	2,339.
10 GLADES CO	POINT	414.	450.	425.
	AREA	3,336.	588.	15,315.
	TOTAL	3,750.	1,038.	15,740.
10 GULF CO	POINT	426.	4,548.	25,120.
	AREA	1,829.	812.	7,310.
	TOTAL	2,255.	5,360.	32,430.
10 HAMILTON CO	POINT	0.	3,716.	0.
	AREA	1,242.	564.	5,404.
	TOTAL	1,242.	4,280.	5,404.
10 HARDEE CO	POINT	2.	77.	11.
	AREA	1,559.	1,096.	9,139.
	TOTAL	1,561.	1,173.	9,150.
10 HENDRY CO	POINT	460.	705.	472.
	AREA	7,695.	1,574.	39,564.
	TOTAL	8,155.	2,279.	40,036.
10 HERNANDO CO	POINT	0.	15.	1.
	AREA	3,126.	2,008.	17,024.
	TOTAL	3,126.	2,023.	17,025.
10 HIGHLANDS CO	POINT	3.	656.	16.
	AREA	6,291.	2,468.	34,615.
	TOTAL	6,294.	3,124.	34,631.
10 HILLSBOROUGH CO	POINT	2,246.	46,098.	6,719.
	AREA	62,766.	29,728.	337,820.
	TOTAL	65,012.	75,826.	344,539.
10 HOLMES CO	POINT	0.	0.	0.
	AREA	1,038.	711.	4,942.
	TOTAL	1,038.	711.	4,942.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
10 INDIAN RIVER CO	POINT	8.	411.	40.
	AREA	6,092.	2,581.	32,168.
	TOTAL	6,100.	2,992.	32,208.
10 JACKSON CO	POINT	136.	1,882.	241.
	AREA	3,362.	1,975.	16,644.
	TOTAL	3,498.	3,857.	16,885.
10 JEFFERSON CO	POINT	0.	0.	0.
	AREA	998.	587.	4,042.
	TOTAL	998.	587.	4,042.
10 LAFAYETTE CO	POINT	0.	0.	0.
	AREA	372.	217.	1,670.
	TOTAL	372.	217.	1,670.
10 LAKE CO	POINT	17.	175.	17.
	AREA	10,399.	5,375.	56,934.
	TOTAL	10,416.	5,550.	56,951.
10 LEE CO	POINT	175.	13,671.	756.
	AREA	15,942.	7,406.	95,251.
	TOTAL	16,117.	21,077.	96,007.
10 LEON CO	POINT	46.	3,244.	173.
	AREA	13,652.	8,354.	94,985.
	TOTAL	13,698.	11,598.	95,158.
10 LEVY CO	POINT	15.	1,124.	29.
	AREA	1,760.	1,007.	8,972.
	TOTAL	1,775.	2,131.	9,001.
10 LIBERTY CO	POINT	539.	361.	396.
	AREA	372.	317.	1,885.
	TOTAL	911.	678.	2,281.
10 MADISON CO	POINT	0.	50.	4.
	AREA	1,440.	778.	6,521.
	TOTAL	1,440.	828.	6,525.
10 MANATEE CO	POINT	125.	14,107.	629.
	AREA	11,859.	5,646.	70,059.
	TOTAL	11,984.	19,753.	70,688.
10 MARION CO	POINT	3.	14.	10.
	AREA	9,521.	5,249.	51,645.
	TOTAL	9,524.	5,263.	51,655.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
10 MARTIN CO	POINT	0.	0.	0.
	AREA	4,491.	2,737.	20,166.
	TOTAL	4,491.	2,737.	20,166.
10 MONROE CO	POINT	21.	2,032.	100.
	AREA	8,252.	2,581.	39,195.
	TOTAL	8,273.	4,613.	39,295.
10 NASSAU CO	POINT	633.	4,719.	835.
	AREA	3,997.	1,551.	13,389.
	TOTAL	4,630.	6,270.	14,224.
10 OKALOOSA CO	POINT	138.	61.	837.
	AREA	9,394.	4,409.	51,223.
	TOTAL	9,532.	4,470.	52,060.
10 OKEECHOBEE CO	POINT	0.	0.	0.
	AREA	2,873.	1,178.	17,089.
	TOTAL	2,873.	1,178.	17,089.
10 ORANGE CO	POINT	1,374.	1,546.	2,443.
	AREA	43,703.	19,624.	254,328.
	TOTAL	45,077.	21,170.	256,771.
10 OSCEOLA CO	POINT	76.	4,588.	208.
	AREA	9,210.	2,614.	47,455.
	TOTAL	9,286.	7,202.	47,663.
10 PALM BEACH CO	POINT	860.	12,286.	1,179.
	AREA	51,942.	18,413.	284,143.
	TOTAL	52,802.	30,699.	285,322.
10 PASCO CO	POINT	113.	11,863.	567.
	AREA	8,885.	5,336.	47,868.
	TOTAL	8,998.	17,199.	48,435.
10 PINELLAS CO	POINT	144.	2,536.	581.
	AREA	55,584.	23,854.	332,471.
	TOTAL	55,728.	26,390.	333,052.
10 POLK CO	POINT	212.	4,541.	238.
	AREA	33,077.	15,677.	195,555.
	TOTAL	33,289.	20,218.	195,793.
10 PUTNAM CO	POINT	1,224.	1,806.	13,298.
	AREA	5,644.	2,202.	19,637.
	TOTAL	6,868.	4,008.	32,935.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
10 ST JOHNS CO	POINT	0.	0.	0.
	AREA	4,197.	2,152.	21,578.
	TOTAL	4,197.	2,152.	21,578.
10 ST LUCIE CO	POINT	43.	3,572.	193.
	AREA	6,948.	3,568.	42,447.
	TOTAL	6,991.	7,140.	42,640.
10 SANTA RCSA CO	POINT	4,191.	9,021.	144.
	AREA	11,300.	4,175.	40,040.
	TOTAL	15,491.	13,196.	40,184.
10 SARASOTA CO	POINT	0.	0.	1.
	AREA	14,308.	6,970.	82,492.
	TOTAL	14,308.	6,970.	82,493.
10 SEMINOLE CO	POINT	2.	6.	7.
	AREA	10,245.	4,612.	51,196.
	TOTAL	10,247.	4,618.	51,203.
10 SUMTER CO	POINT	9.	12.	13.
	AREA	1,892.	1,116.	8,521.
	TOTAL	1,901.	1,128.	8,534.
10 SUWANNEE CO	POINT	28.	3,835.	153.
	AREA	2,231.	1,204.	12,503.
	TOTAL	2,259.	5,039.	12,656.
10 TAYLOR CO	POINT	271.	2,682.	1,378.
	AREA	2,853.	1,078.	14,149.
	TOTAL	3,124.	3,760.	15,527.
10 UNION CO	POINT	9.	187.	45.
	AREA	713.	446.	4,098.
	TOTAL	722.	633.	4,143.
10 VOLUSIA CO	POINT	250.	14,094.	957.
	AREA	22,025.	10,047.	127,006.
	TOTAL	22,275.	24,141.	127,963.
10 WAKULLA CO	POINT	14.	430.	70.
	AREA	824.	474.	3,434.
	TOTAL	838.	904.	3,504.
10 WALTON CO	POINT	0.	0.	0.
	AREA	2,138.	903.	10,396.
	TOTAL	2,138.	903.	10,396.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
10 WASHINGTON CO	POINT	0.	0.	0.
	AREA	1,294.	656.	6,784.
	TOTAL	1,294.	656.	6,784.
11 APPLING CO	POINT	0.	0.	0.
	AREA	1,942.	1,014.	9,312.
	TOTAL	1,942.	1,014.	9,312.
11 ATKINSON CO	POINT	24.	124.	24.
	AREA	896.	502.	4,509.
	TOTAL	920.	626.	4,533.
11 BACON CO	POINT	0.	0.	0.
	AREA	1,330.	790.	7,050.
	TOTAL	1,330.	790.	7,050.
11 BAKER CO	POINT	0.	0.	0.
	AREA	702.	270.	3,530.
	TOTAL	702.	270.	3,530.
11 BALDWIN CO	POINT	0.	16.	0.
	AREA	2,446.	1,175.	11,459.
	TOTAL	2,446.	1,191.	11,459.
11 BANKS CO	POINT	0.	0.	0.
	AREA	716.	450.	2,807.
	TOTAL	716.	450.	2,807.
11 BARROW CO	POINT	0.	10.	15.
	AREA	2,589.	1,351.	10,611.
	TOTAL	2,589.	1,361.	10,626.
11 BARTOW CO	POINT	386.	23,130.	1,286.
	AREA	5,549.	2,650.	20,109.
	TOTAL	5,935.	25,780.	21,395.
11 BEN HILL CO	POINT	0.	0.	0.
	AREA	2,120.	1,045.	10,135.
	TOTAL	2,120.	1,045.	10,135.
11 BERRIEN CO	POINT	0.	0.	0.
	AREA	1,951.	1,015.	9,637.
	TOTAL	1,951.	1,015.	9,637.
11 BIBB CO	POINT	478.	6,269.	5,020.
	AREA	16,405.	7,253.	71,632.
	TOTAL	16,883.	13,522.	76,652.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
11 BLECKLEY CO	POINT	0.	0.	0.
	AREA	1,273.	761.	6,760.
	TOTAL	1,273.	761.	6,760.
11 BRANTLEY CO	POINT	0.	0.	0.
	AREA	1,006.	517.	5,254.
	TOTAL	1,006.	517.	5,254.
11 BROOKS CO	POINT	0.	0.	0.
	AREA	1,861.	896.	9,338.
	TOTAL	1,861.	896.	9,338.
11 BRYAN CO	POINT	0.	0.	0.
	AREA	1,584.	695.	6,890.
	TOTAL	1,584.	695.	6,890.
11 BULLOCH CO	POINT	0.	0.	0.
	AREA	3,909.	2,013.	19,950.
	TOTAL	3,909.	2,013.	19,950.
11 BURKE CO	POINT	0.	0.	0.
	AREA	3,009.	1,200.	13,572.
	TOTAL	3,009.	1,200.	13,572.
11 BUTTS CO	POINT	0.	0.	0.
	AREA	1,349.	722.	5,917.
	TOTAL	1,349.	722.	5,917.
11 CALHOUN CO	POINT	0.	0.	0.
	AREA	893.	494.	4,302.
	TOTAL	893.	494.	4,302.
11 CAMDEN CO	POINT	129.	2,302.	8,386.
	AREA	3,445.	1,029.	10,959.
	TOTAL	3,574.	3,331.	19,345.
11 CANDLER CO	POINT	0.	0.	0.
	AREA	933.	629.	4,946.
	TOTAL	933.	629.	4,946.
11 CARROLL CO	POINT	0.	34.	7,201.
	AREA	5,909.	3,315.	24,684.
	TOTAL	5,909.	3,349.	31,885.
11 CATOOSA CO	POINT	0.	0.	0.
	AREA	2,245.	1,196.	8,991.
	TOTAL	2,245.	1,196.	8,991.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
11 CHARLTON CO	POINT	18.	96.	18.
	AREA	1,476.	621.	7,608.
	TOTAL	1,494.	717.	7,626.
11 CHATHAM CO	POINT	1,740.	20,406.	33,600.
	AREA	17,626.	8,420.	83,665.
	TOTAL	19,366.	28,826.	117,265.
11 CHATTAHOOCHEE CO	POINT	0.	0.	0.
	AREA	2,227.	1,057.	11,771.
	TOTAL	2,227.	1,057.	11,771.
11 CHATTOOGA CO	POINT	28.	788.	68.
	AREA	3,023.	1,457.	11,010.
	TOTAL	3,051.	2,245.	11,078.
11 CHEROKEE CO	POINT	2.	105.	10.
	AREA	3,399.	2,406.	15,150.
	TOTAL	3,401.	2,511.	15,160.
11 CLARKE CO	POINT	12.	142.	17.
	AREA	7,516.	4,036.	29,530.
	TOTAL	7,528.	4,178.	29,547.
11 CLAY CO	POINT	0.	0.	0.
	AREA	479.	232.	2,408.
	TOTAL	479.	232.	2,408.
11 CLAYTON CO	POINT	43.	2.	0.
	AREA	10,914.	5,824.	57,683.
	TOTAL	10,957.	5,826.	57,683.
11 CLINCH CO	POINT	0.	0.	0.
	AREA	2,683.	570.	8,274.
	TOTAL	2,683.	570.	8,274.
11 COBB CO	POINT	204.	13,109.	608.
	AREA	27,473.	13,243.	133,871.
	TOTAL	27,677.	26,352.	134,479.
11 COFFEE CO	POINT	0.	0.	0.
	AREA	3,452.	1,755.	16,818.
	TOTAL	3,452.	1,755.	16,818.
11 COLQUITT CO	POINT	0.	0.	0.
	AREA	6,298.	2,320.	22,006.
	TOTAL	6,298.	2,320.	22,006.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS * HC	NOX	CO
11 COLUMBIA CO	POINT	0.	0.	0.
	AREA	15,926.	1,150.	7,207.
	TOTAL	15,926.	1,150.	7,207.
11 COOK CO	POINT	90.	2.	6.
	AREA	1,933.	957.	8,485.
	TOTAL	2,023.	959.	8,491.
11 COWETA CO	POINT	403.	24,561.	1,351.
	AREA	4,550.	2,339.	18,188.
	TOTAL	4,953.	26,900.	19,539.
11 CRAWFORD CO	POINT	0.	0.	0.
	AREA	546.	337.	2,350.
	TOTAL	546.	337.	2,350.
11 CRISP CO	POINT	0.	0.	0.
	AREA	2,670.	1,113.	10,550.
	TOTAL	2,670.	1,113.	10,550.
11 DADE CO	POINT	0.	0.	0.
	AREA	1,034.	714.	4,065.
	TOTAL	1,034.	714.	4,065.
11 DAWSON CO	POINT	0.	0.	0.
	AREA	578.	539.	2,807.
	TOTAL	578.	539.	2,807.
11 DECATUR CO	POINT	20.	811.	26.
	AREA	4,016.	1,491.	16,193.
	TOTAL	4,036.	2,302.	16,219.
11 DE KALB CO	POINT	1,754.	38.	4.
	AREA	32,082.	13,590.	111,815.
	TOTAL	33,836.	13,628.	111,819.
11 DODGE CO	POINT	0.	0.	0.
	AREA	2,093.	1,058.	10,573.
	TOTAL	2,093.	1,058.	10,573.
11 DOOLY CO	POINT	11.	7.	12.
	AREA	1,390.	844.	6,311.
	TOTAL	1,401.	851.	6,323.
11 DOUGHERTY CO	POINT	392.	5,563.	307.
	AREA	11,656.	5,767.	46,102.
	TOTAL	12,048.	11,330.	46,409.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
11 DOUGLAS CO	POINT	0.	0.	0.
	AREA	4,214.	2,606.	19,780.
	TOTAL	4,214.	2,606.	19,780.
11 EARLY CO	POINT	430.	5,003.	13,214.
	AREA	2,224.	992.	8,983.
	TOTAL	2,654.	5,995.	22,197.
11 ECHOLS CO	POINT	0.	0.	0.
	AREA	602.	196.	3,514.
	TOTAL	602.	196.	3,514.
11 EFFINGHAM CO	POINT	2.	49.	3.
	AREA	1,665.	1,021.	8,253.
	TOTAL	1,667.	1,070.	8,256.
11 ELBERT CO	POINT	0.	0.	0.
	AREA	2,559.	1,381.	11,218.
	TOTAL	2,559.	1,381.	11,218.
11 EMANUEL CO	POINT	0.	6.	0.
	AREA	3,064.	1,322.	14,337.
	TOTAL	3,064.	1,328.	14,337.
11 EVANS CO	POINT	17.	87.	17.
	AREA	1,087.	529.	4,826.
	TOTAL	1,104.	616.	4,843.
11 FANNIN CO	POINT	0.	0.	0.
	AREA	1,448.	947.	5,719.
	TOTAL	1,448.	947.	5,719.
11 FAYETTE CO	POINT	2.	36.	2.
	AREA	1,560.	1,259.	6,702.
	TOTAL	1,562.	1,295.	6,704.
11 FLOYD CO	POINT	903.	15,439.	881.
	AREA	8,070.	4,375.	34,005.
	TOTAL	8,973.	19,814.	34,886.
11 FORSYTH CO	POINT	0.	0.	0.
	AREA	2,161.	1,884.	10,591.
	TOTAL	2,161.	1,884.	10,591.
11 FRANKLIN CO	POINT	0.	0.	0.
	AREA	1,872.	1,276.	7,599.
	TOTAL	1,872.	1,276.	7,599.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS * NOX	CO
11 FULTON CO	POINT	2,484.	2,829.	73.
	AREA	76,989.	39,139.	402,700.
	TOTAL	79,473.	41,968.	402,773.
11 GILMER CO	POINT	0.	0.	0.
	AREA	1,306.	777.	4,564.
	TOTAL	1,306.	777.	4,564.
11 GLASCOCK CO	POINT	0.	0.	0.
	AREA	321.	218.	1,530.
	TOTAL	321.	218.	1,530.
11 GLYNN CO	POINT	803.	8,422.	8,457.
	AREA	7,156.	3,560.	31,325.
	TOTAL	7,959.	11,982.	39,782.
11 GORDON CO	POINT	0.	11.	0.
	AREA	3,784.	2,217.	14,934.
	TOTAL	3,784.	2,228.	14,934.
11 GRADY CO	POINT	0.	0.	0.
	AREA	2,407.	1,367.	11,202.
	TOTAL	2,407.	1,367.	11,202.
11 GREENE CO	POINT	92.	462.	92.
	AREA	1,393.	720.	4,997.
	TOTAL	1,485.	1,182.	5,089.
11 GWINNETT CO	POINT	0.	3.	0.
	AREA	9,607.	6,127.	34,821.
	TOTAL	9,607.	6,130.	34,821.
11 HABERSHAM CO	POINT	1.	4.	1.
	AREA	3,105.	1,685.	11,315.
	TOTAL	3,106.	1,689.	11,316.
11 HALL CO	POINT	1.	30.	4.
	AREA	8,256.	4,496.	31,982.
	TOTAL	8,257.	4,526.	31,986.
11 HANCOCK CO	POINT	0.	0.	0.
	AREA	823.	463.	3,342.
	TOTAL	823.	463.	3,342.
11 HARALSON CO	POINT	0.	0.	0.
	AREA	2,929.	1,207.	10,433.
	TOTAL	2,929.	1,207.	10,433.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
11 HARRIS CO	POINT	0.	0.	0.
	AREA	1,232.	777.	5,129.
	TOTAL	1,232.	777.	5,129.
11 HART CO	POINT	0.	0.	0.
	AREA	2,377.	963.	7,782.
	TOTAL	2,377.	963.	7,782.
11 HEARD CO	POINT	17.	1,097.	59.
	AREA	572.	442.	2,394.
	TOTAL	589.	1,539.	2,453.
11 HENRY CO	POINT	1.	16.	1.
	AREA	3,145.	1,988.	12,979.
	TOTAL	3,146.	2,004.	12,980.
11 HOUSTON CO	POINT	0.	473.	0.
	AREA	6,206.	3,427.	33,928.
	TOTAL	6,206.	3,900.	33,928.
11 IRWIN CO	POINT	0.	0.	0.
	AREA	1,084.	592.	6,082.
	TOTAL	1,084.	592.	6,082.
11 JACKSON CO	POINT	0.	0.	0.
	AREA	2,899.	1,780.	11,999.
	TOTAL	2,899.	1,780.	11,999.
11 JASPER CO	POINT	3.	21.	3.
	AREA	993.	487.	3,142.
	TOTAL	996.	508.	3,145.
11 JEFF DAVIS CO	POINT	0.	0.	0.
	AREA	1,976.	799.	8,196.
	TOTAL	1,976.	799.	8,196.
11 JEFFERSON CO	POINT	1.	39.	7.
	AREA	2,260.	1,207.	10,295.
	TOTAL	2,261.	1,246.	10,302.
11 JENKINS CO	POINT	0.	0.	0.
	AREA	1,309.	575.	6,629.
	TOTAL	1,309.	575.	6,629.
11 JOHNSON CO	POINT	0.	0.	0.
	AREA	1,079.	587.	4,884.
	TOTAL	1,079.	587.	4,884.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
11 JONES CO	POINT	0.	0.	0.
	AREA	864.	779.	4,547.
	TOTAL	864.	779.	4,547.
11 LAMAR CO	POINT	0.	0.	0.
	AREA	1,314.	690.	5,630.
	TOTAL	1,314.	690.	5,630.
11 LANIER CO	POINT	0.	0.	0.
	AREA	729.	341.	3,751.
	TOTAL	729.	341.	3,751.
11 LAURENS CO	POINT	50.	454.	68.
	AREA	5,417.	2,316.	23,364.
	TOTAL	5,467.	2,770.	23,432.
11 LEE CO	POINT	0.	0.	0.
	AREA	1,254.	776.	5,567.
	TOTAL	1,254.	776.	5,567.
11 LIBERTY CO	POINT	1.	785.	3,400.
	AREA	3,104.	1,219.	11,820.
	TOTAL	3,105.	2,004.	15,220.
11 LINCOLN CO	POINT	0.	0.	0.
	AREA	1,492.	624.	5,836.
	TOTAL	1,492.	624.	5,836.
11 LONG CO	POINT	0.	0.	0.
	AREA	834.	418.	4,947.
	TOTAL	834.	418.	4,947.
11 LOWNDES CO	POINT	179.	2,049.	5,883.
	AREA	7,356.	3,539.	31,268.
	TOTAL	7,535.	5,588.	37,151.
11 LUMPKIN CO	POINT	0.	0.	0.
	AREA	915.	686.	5,317.
	TOTAL	915.	686.	5,317.
11 MC DUFFIE CO	POINT	41.	44.	199.
	AREA	3,506.	1,049.	6,404.
	TOTAL	3,547.	1,093.	6,603.
11 MC INTOSH CO	POINT	0.	0.	0.
	AREA	1,933.	621.	7,775.
	TOTAL	1,933.	621.	7,775.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
11 MACON CO	POINT	0.	0.	0.
	AREA	1,550.	770.	7,875.
	TOTAL	1,550.	770.	7,875.
11 MADISON CO	POINT	0.	0.	0.
	AREA	1,840.	1,128.	6,911.
	TOTAL	1,840.	1,128.	6,911.
11 MARION CO	POINT	0.	0.	0.
	AREA	708.	397.	3,236.
	TOTAL	708.	397.	3,236.
11 MERIWETHER CO	POINT	172.	866.	172.
	AREA	2,304.	1,060.	7,493.
	TOTAL	2,476.	1,926.	7,665.
11 MILLER CO	POINT	0.	0.	0.
	AREA	836.	659.	4,517.
	TOTAL	836.	659.	4,517.
11 MITCHELL CO	POINT	7.	92.	18.
	AREA	2,621.	1,264.	13,286.
	TOTAL	2,628.	1,356.	13,304.
11 MONROE CO	POINT	1.	3.	1.
	AREA	1,509.	710.	5,824.
	TOTAL	1,510.	713.	5,825.
11 MONTGOMERY CO	POINT	178.	111.	145.
	AREA	903.	528.	4,289.
	TOTAL	1,081.	639.	4,434.
11 MORGAN CO	POINT	0.	0.	0.
	AREA	1,221.	685.	4,853.
	TOTAL	1,221.	685.	4,853.
11 MURRAY CO	POINT	0.	0.	0.
	AREA	2,170.	1,111.	7,943.
	TOTAL	2,170.	1,111.	7,943.
11 MUSCOGEE CO	POINT	291.	320.	48.
	AREA	16,289.	8,733.	78,868.
	TOTAL	16,580.	9,053.	78,916.
11 NEWTON CO	POINT	0.	0.	0.
	AREA	3,961.	2,145.	14,809.
	TOTAL	3,961.	2,145.	14,809.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
11 OCONEE CO	POINT	0.	0.	0.
	AREA	832.	675.	3,727.
	TOTAL	832.	675.	3,727.
11 OGLETHORPE CO	POINT	0.	0.	0.
	AREA	601.	452.	2,824.
	TOTAL	601.	452.	2,824.
11 PAULDING CO	POINT	1.	12.	1.
	AREA	1,578.	1,389.	6,903.
	TOTAL	1,579.	1,401.	6,904.
11 PEACH CO	POINT	0.	0.	0.
	AREA	2,512.	989.	8,448.
	TOTAL	2,512.	989.	8,448.
11 PICKENS CO	POINT	4.	75.	9.
	AREA	1,587.	880.	4,211.
	TOTAL	1,591.	955.	4,220.
11 PIERCE CO	POINT	2.	39.	3.
	AREA	1,334.	847.	6,914.
	TOTAL	1,336.	886.	6,917.
11 PIKE CO	POINT	0.	0.	0.
	AREA	708.	555.	3,495.
	TOTAL	708.	555.	3,495.
11 POLK CO	POINT	0.	325.	0.
	AREA	4,412.	1,932.	17,341.
	TOTAL	4,412.	2,257.	17,341.
11 PULASKI CO	POINT	0.	0.	0.
	AREA	1,139.	702.	6,536.
	TOTAL	1,139.	702.	6,536.
11 PUTNAM CO	POINT	473.	27,659.	1,547.
	AREA	1,264.	681.	5,713.
	TOTAL	1,737.	28,340.	7,260.
11 QUITMAN CO	POINT	0.	0.	0.
	AREA	315.	183.	1,650.
	TOTAL	315.	183.	1,650.
11 RABUN CO	POINT	4.	242.	20.
	AREA	1,063.	674.	4,191.
	TOTAL	1,067.	916.	4,211.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
11 RANDOLPH CO	POINT	1.	16.	1.
	AREA	1,338.	575.	6,852.
	TOTAL	1,339.	591.	6,853.
11 RICHMOND CO	POINT	264.	7,909.	6,813.
	AREA	14,665.	8,843.	71,493.
	TOTAL	14,929.	16,752.	78,306.
11 ROCKDALE CO	POINT	0.	0.	0.
	AREA	3,042.	1,839.	11,079.
	TOTAL	3,042.	1,839.	11,079.
11 SCHLEY CO	POINT	0.	0.	0.
	AREA	594.	303.	2,216.
	TOTAL	594.	303.	2,216.
11 SCREVEN CO	POINT	0.	0.	0.
	AREA	2,163.	991.	10,616.
	TOTAL	2,163.	991.	10,616.
11 SEMINOLE CO	POINT	0.	0.	0.
	AREA	1,515.	661.	6,974.
	TOTAL	1,515.	661.	6,974.
11 SPALDING CO	POINT	1.	105.	4.
	AREA	4,562.	2,211.	20,052.
	TOTAL	4,563.	2,316.	20,056.
11 STEPHENS CO	POINT	6.	99.	12.
	AREA	3,444.	1,512.	12,093.
	TOTAL	3,450.	1,611.	12,105.
11 STEWART CO	POINT	19.	97.	19.
	AREA	944.	427.	4,654.
	TOTAL	963.	524.	4,673.
11 SUMTER CO	POINT	0.	0.	0.
	AREA	3,505.	1,850.	16,465.
	TOTAL	3,505.	1,850.	16,465.
11 TALBOT CO	POINT	2.	18.	2.
	AREA	561.	297.	2,018.
	TOTAL	563.	315.	2,020.
11 TALIAFERRO CO	POINT	0.	0.	0.
	AREA	240.	182.	1,042.
	TOTAL	240.	182.	1,042.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
11 TATTNALL CO	POINT	0.	0.	0.
	AREA	2,108.	1,190.	10,181.
	TOTAL	2,108.	1,190.	10,181.
11 TAYLOR CO	POINT	0.	0.	0.
	AREA	797.	557.	3,534.
	TOTAL	797.	557.	3,534.
11 TELFAIR CO	POINT	0.	0.	0.
	AREA	1,740.	879.	8,477.
	TOTAL	1,740.	879.	8,477.
11 TERRELL CO	POINT	0.	0.	0.
	AREA	8,924.	651.	6,685.
	TOTAL	8,924.	651.	6,685.
11 THOMAS CO	POINT	0.	0.	0.
	AREA	4,711.	2,272.	21,673.
	TOTAL	4,711.	2,272.	21,673.
11 TIFT CO	POINT	0.	0.	0.
	AREA	4,045.	2,464.	21,081.
	TOTAL	4,045.	2,464.	21,081.
11 TOOMBS CO	POINT	0.	0.	0.
	AREA	2,723.	1,339.	13,036.
	TOTAL	2,723.	1,339.	13,036.
11 TOWNS CO	POINT	0.	0.	0.
	AREA	538.	424.	2,510.
	TOTAL	538.	424.	2,510.
11 TREUTLEN CO	POINT	0.	0.	0.
	AREA	754.	442.	4,363.
	TOTAL	754.	442.	4,363.
11 TROUP CO	POINT	0.	0.	0.
	AREA	6,320.	2,448.	23,928.
	TOTAL	6,320.	2,448.	23,928.
11 TURNER CO	POINT	0.	0.	0.
	AREA	1,383.	737.	6,446.
	TOTAL	1,383.	737.	6,446.
11 TWIGGS CO	POINT	7.	135.	8.
	AREA	764.	550.	3,784.
	TOTAL	771.	685.	3,792.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
11 UNION CO	POINT	1.	6.	1.
	AREA	962.	696.	3,699.
	TOTAL	963.	702.	3,700.
11 UPSON CO	POINT	69.	148.	2.
	AREA	3,013.	1,542.	13,770.
	TOTAL	3,082.	1,690.	13,772.
11 WALKER CO	POINT	33.	1,067.	80.
	AREA	7,405.	3,953.	35,684.
	TOTAL	7,438.	5,020.	35,764.
11 WALTON CO	POINT	0.	0.	0.
	AREA	3,482.	1,744.	13,267.
	TOTAL	3,482.	1,744.	13,267.
11 WARE CO	POINT	105.	148.	29.
	AREA	4,508.	1,993.	23,566.
	TOTAL	4,613.	2,141.	23,595.
11 WARREN CO	POINT	17.	86.	17.
	AREA	719.	367.	2,438.
	TOTAL	736.	453.	2,455.
11 WASHINGTON CO	POINT	35.	214.	35.
	AREA	1,931.	1,130.	9,487.
	TOTAL	1,966.	1,344.	9,522.
11 WAYNE CO	POINT	12.	1,990.	13,127.
	AREA	3,525.	1,588.	14,274.
	TOTAL	3,537.	3,578.	27,401.
11 WEBSTER CO	POINT	0.	0.	0.
	AREA	391.	213.	2,027.
	TOTAL	391.	213.	2,027.
11 WHEELER CO	POINT	0.	0.	0.
	AREA	794.	405.	3,867.
	TOTAL	794.	405.	3,867.
11 WHITE CO	POINT	0.	0.	0.
	AREA	1,037.	808.	3,878.
	TOTAL	1,037.	808.	3,878.
11 WHITFIELD CO	POINT	11.	546.	30.
	AREA	9,307.	4,822.	35,945.
	TOTAL	9,318.	5,368.	35,975.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
11 WILCOX CO	POINT	0.	0.	0.
	AREA	1,101.	608.	5,430.
	TOTAL	1,101.	608.	5,430.
11 WILKES CO	POINT	0.	0.	0.
	AREA	1,496.	721.	6,644.
	TOTAL	1,496.	721.	6,644.
11 WILKINSON CO	POINT	5.	137.	10.
	AREA	972.	574.	4,785.
	TOTAL	977.	711.	4,795.
11 WORTH CO	POINT	1.	164.	7.
	AREA	1,944.	1,076.	9,902.
	TOTAL	1,945.	1,240.	9,909.
12 HAWAII CO	POINT	777.	3,045.	217.
	AREA	10,399.	4,451.	53,954.
	TOTAL	11,176.	7,496.	54,171.
12 HONOLULU CO	POINT	3,247.	22,919.	3,110.
	AREA	48,652.	20,802.	248,416.
	TOTAL	51,899.	43,721.	251,526.
12 KAUAI CO	POINT	213.	881.	265.
	AREA	6,225.	2,543.	27,870.
	TOTAL	6,438.	3,424.	28,135.
12 MAUI CO	POINT	382.	3,816.	505.
	AREA	8,494.	3,148.	39,844.
	TOTAL	8,876.	6,964.	40,349.
13 ADA CO	POINT	338.	0.	0.
	AREA	15,521.	9,970.	84,255.
	TOTAL	15,859.	9,970.	84,255.
13 ADAMS CO	POINT	527.	352.	5,567.
	AREA	2,520.	687.	14,319.
	TOTAL	3,047.	1,039.	19,886.
13 BANNOCK CO	POINT	211.	149.	0.
	AREA	8,693.	3,690.	57,654.
	TOTAL	8,904.	3,839.	57,654.
13 BEAR LAKE CO	POINT	0.	0.	0.
	AREA	2,346.	746.	14,837.
	TOTAL	2,346.	746.	14,837.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
13 BENEWAH CO	POINT	248.	425.	2,044.
	AREA	2,183.	840.	11,583.
	TOTAL	2,431.	1,265.	13,627.
13 BINGHAM CO	POINT	0.	0.	0.
	AREA	6,871.	2,944.	45,593.
	TOTAL	6,871.	2,944.	45,593.
13 BLAINE CO	POINT	0.	0.	0.
	AREA	5,359.	1,515.	31,699.
	TOTAL	5,359.	1,515.	31,699.
13 BOISE CO	POINT	12.	61.	12.
	AREA	5,554.	1,066.	32,788.
	TOTAL	5,566.	1,127.	32,800.
13 BONNER CO	POINT	356.	252.	3,858.
	AREA	5,401.	2,048.	29,139.
	TOTAL	5,757.	2,300.	32,997.
13 BONNEVILLE CO	POINT	16.	1,132.	47.
	AREA	9,760.	4,351.	68,263.
	TOTAL	9,776.	5,483.	68,310.
13 BOUNDARY CO	POINT	175.	349.	1,334.
	AREA	3,194.	1,016.	19,061.
	TOTAL	3,369.	1,365.	20,395.
13 BUTTE CO	POINT	2.	131.	11.
	AREA	4,096.	912.	24,303.
	TOTAL	4,098.	1,043.	24,314.
13 CAMAS CO	POINT	3.	0.	41.
	AREA	1,885.	387.	11,247.
	TOTAL	1,888.	387.	11,288.
13 CANYON CO	POINT	11.	1,332.	53.
	AREA	9,289.	6,428.	46,926.
	TOTAL	9,300.	7,760.	46,979.
13 CARIBOU CO	POINT	0.	12.	1.
	AREA	3,758.	1,119.	22,792.
	TOTAL	3,758.	1,131.	22,793.
13 CASSIA CO	POINT	2.	0.	0.
	AREA	6,410.	2,145.	41,201.
	TOTAL	6,412.	2,145.	41,201.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
13 CLARK CO	POINT	0.	0.	0.
	AREA	4,146.	769.	24,350.
	TOTAL	4,146.	769.	24,350.
13 CLEARWATER CO	POINT	149.	296.	1,170.
	AREA	5,657.	1,591.	31,507.
	TOTAL	5,806.	1,887.	32,677.
13 CUSTER CO	POINT	0.	0.	0.
	AREA	9,404.	1,780.	55,375.
	TOTAL	9,404.	1,780.	55,375.
13 ELMORE CO	POINT	34.	517.	69.
	AREA	6,943.	2,254.	38,966.
	TOTAL	6,977.	2,771.	39,035.
13 FRANKLIN CO	POINT	0.	0.	0.
	AREA	1,969.	818.	13,668.
	TOTAL	1,969.	818.	13,668.
13 FREMONT CO	POINT	450.	207.	4,951.
	AREA	6,201.	1,615.	38,223.
	TOTAL	6,651.	1,822.	43,174.
13 GEM CO	POINT	109.	545.	109.
	AREA	1,881.	1,097.	11,054.
	TOTAL	1,990.	1,642.	11,163.
13 GOODING CO	POINT	0.	0.	0.
	AREA	2,386.	1,038.	16,748.
	TOTAL	2,386.	1,038.	16,748.
13 IDAHO CO	POINT	360.	582.	3,053.
	AREA	14,467.	3,352.	84,238.
	TOTAL	14,827.	3,934.	87,291.
13 JEFFERSON CO	POINT	0.	0.	0.
	AREA	3,322.	1,435.	21,084.
	TOTAL	3,322.	1,435.	21,084.
13 JEROME CO	POINT	0.	0.	0.
	AREA	3,519.	1,273.	18,732.
	TOTAL	3,519.	1,273.	18,732.
13 KOOTENAI CO	POINT	461.	1,441.	2,365.
	AREA	5,808.	3,989.	28,029.
	TOTAL	6,269.	5,430.	30,394.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
13 LATAH CO	POINT	295.	493.	2,461.
	AREA	3,947.	2,230.	23,530.
	TOTAL	4,242.	2,723.	25,991.
13 LEMHI CO	POINT	91.	50.	991.
	AREA	9,981.	2,005.	60,206.
	TOTAL	10,072.	2,055.	61,197.
13 LEWIS CO	POINT	212.	348.	1,785.
	AREA	1,226.	616.	6,803.
	TOTAL	1,438.	964.	8,588.
13 LINCOLN CO	POINT	0.	0.	0.
	AREA	2,249.	627.	13,835.
	TOTAL	2,249.	627.	13,835.
13 MADISON CO	POINT	61.	5.	728.
	AREA	2,274.	1,147.	15,142.
	TOTAL	2,335.	1,152.	15,870.
13 MINIDOKA CO	POINT	9.	502.	38.
	AREA	3,508.	1,717.	25,036.
	TOTAL	3,517.	2,219.	25,074.
13 NEZ PERCE CO	POINT	717.	4,716.	8,847.
	AREA	5,269.	2,533.	26,607.
	TOTAL	5,986.	7,249.	35,454.
13 ONEIDA CO	POINT	0.	0.	0.
	AREA	2,191.	608.	13,340.
	TOTAL	2,191.	608.	13,340.
13 OWYHEE CO	POINT	0.	0.	0.
	AREA	12,447.	2,733.	72,689.
	TOTAL	12,447.	2,733.	72,689.
13 PAYETTE CO	POINT	0.	0.	0.
	AREA	2,163.	1,326.	11,882.
	TOTAL	2,163.	1,326.	11,882.
13 POWER CO	POINT	2,251.	49.	6.
	AREA	3,078.	884.	18,565.
	TOTAL	5,329.	933.	18,571.
13 SHOSHONE CO	POINT	73.	37.	890.
	AREA	6,574.	2,446.	35,514.
	TOTAL	6,647.	2,483.	36,404.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
13 TETON CO	POINT	0.	0.	0.
	AREA	1,229.	423.	7,770.
	TOTAL	1,229.	423.	7,770.
13 TWIN FALLS CO	POINT	16.	655.	43.
	AREA	9,132.	3,990.	63,209.
	TOTAL	9,148.	4,645.	63,252.
13 VALLEY CO	POINT	173.	272.	1,482.
	AREA	12,595.	2,415.	72,699.
	TOTAL	12,768.	2,687.	74,181.
13 WASHINGTON CO	POINT	0.	0.	0.
	AREA	3,206.	1,124.	19,047.
	TOTAL	3,206.	1,124.	19,047.
14 ADAMS CO	POINT	359.	365.	9.
	AREA	8,444.	3,154.	26,683.
	TOTAL	8,803.	3,519.	26,692.
14 ALEXANDER CO	POINT	120.	3.	0.
	AREA	2,664.	757.	8,431.
	TOTAL	2,784.	760.	8,431.
14 BOND CO	POINT	0.	0.	0.
	AREA	2,144.	1,568.	12,935.
	TOTAL	2,144.	1,568.	12,935.
14 BOONE CO	POINT	191.	93.	12.
	AREA	4,217.	1,847.	16,021.
	TOTAL	4,408.	1,940.	16,033.
14 BROWN CO	POINT	0.	0.	0.
	AREA	471.	375.	2,676.
	TOTAL	471.	375.	2,676.
14 BUREAU CO	POINT	120.	20.	1.
	AREA	4,599.	2,921.	23,771.
	TOTAL	4,719.	2,941.	23,772.
14 CALHOUN CO	POINT	0.	0.	0.
	AREA	1,234.	475.	4,920.
	TOTAL	1,234.	475.	4,920.
14 CARROLL CO	POINT	0.	0.	0.
	AREA	2,007.	1,216.	9,620.
	TOTAL	2,007.	1,216.	9,620.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
14 CASS CO	POINT	3.	83.	19.
	AREA	1,705.	1,042.	8,247.
	TOTAL	1,708.	1,125.	8,266.
14 CHAMPAIGN CO	POINT	562.	1,446.	35.
	AREA	13,124.	7,477.	71,212.
	TOTAL	13,686.	8,923.	71,247.
14 CHRISTIAN CO	POINT	127.	106.	1.
	AREA	3,175.	1,917.	15,740.
	TOTAL	3,302.	2,023.	15,741.
14 CLARK CO	POINT	0.	0.	2,394.
	AREA	2,435.	1,486.	13,250.
	TOTAL	2,435.	1,486.	15,644.
14 CLAY CO	POINT	67.	0.	0.
	AREA	1,512.	915.	7,132.
	TOTAL	1,579.	915.	7,132.
14 CLINTON CO	POINT	18.	203.	57.
	AREA	2,262.	1,675.	12,102.
	TOTAL	2,280.	1,878.	12,159.
14 COLES CO	POINT	6,558.	193.	8.
	AREA	5,674.	2,401.	22,735.
	TOTAL	12,232.	2,594.	22,743.
14 COOK CO	POINT	72,831.	43,025.	90,376.
	AREA	516,182.	188,531.	1,941,964.
	TOTAL	589,013.	231,556.	2,032,340.
14 CRAWFORD CO	POINT	1,692.	1,347.	81.
	AREA	1,872.	1,143.	8,237.
	TOTAL	3,564.	2,490.	8,318.
14 CUMBERLAND CO	POINT	0.	0.	0.
	AREA	1,348.	1,153.	7,282.
	TOTAL	1,348.	1,153.	7,282.
14 DE KALB CO	POINT	308.	90.	0.
	AREA	6,493.	3,196.	27,641.
	TOTAL	6,801.	3,286.	27,641.
14 DE WITT CO	POINT	219.	0.	0.
	AREA	1,731.	1,106.	8,451.
	TOTAL	1,950.	1,106.	8,451.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
14 DOUGLAS CO	POINT	32.	2,002.	109.
	AREA	1,968.	1,459.	11,164.
	TOTAL	2,000.	3,461.	11,273.
14 DU PAGE CO	POINT	1,293.	1,068.	21.
	AREA	53,879.	21,193.	217,272.
	TOTAL	55,172.	22,261.	217,293.
14 EDGAR CO	POINT	96.	264.	26.
	AREA	2,442.	1,410.	12,064.
	TOTAL	2,538.	1,674.	12,090.
14 EDWARDS CO	POINT	135.	0.	0.
	AREA	1,161.	581.	3,252.
	TOTAL	1,296.	581.	3,252.
14 EFFINGHAM CO	POINT	1,934.	26.	0.
	AREA	4,252.	2,366.	19,006.
	TOTAL	6,186.	2,392.	19,006.
14 FAYETTE CO	POINT	24.	51.	116.
	AREA	2,717.	1,805.	14,510.
	TOTAL	2,741.	1,856.	14,626.
14 FORD CO	POINT	0.	40.	5.
	AREA	1,669.	1,129.	9,629.
	TOTAL	1,669.	1,169.	9,634.
14 FRANKLIN CO	POINT	0.	77.	10.
	AREA	3,164.	1,887.	16,427.
	TOTAL	3,164.	1,964.	16,437.
14 FULTON CO	POINT	367.	9,017.	626.
	AREA	3,429.	2,497.	19,693.
	TOTAL	3,796.	11,514.	20,319.
14 GALLATIN CO	POINT	0.	0.	0.
	AREA	604.	463.	2,690.
	TOTAL	604.	463.	2,690.
14 GREENE CO	POINT	0.	0.	0.
	AREA	1,572.	1,140.	8,785.
	TOTAL	1,572.	1,140.	8,785.
14 GRUNDY CO	POINT	1,565.	2,909.	14,767.
	AREA	3,956.	2,220.	17,267.
	TOTAL	5,521.	5,129.	32,034.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS * NOX	CO
14 HAMILTON CO	POINT	0.	0.	0.
	AREA	852.	588.	5,096.
	TOTAL	852.	588.	5,096.
14 HANCOCK CO	POINT	0.	0.	0.
	AREA	2,312.	1,588.	12,391.
	TOTAL	2,312.	1,588.	12,391.
14 HARDIN CO	POINT	0.	0.	0.
	AREA	289.	295.	1,421.
	TOTAL	289.	295.	1,421.
14 HENDERSON CO	POINT	0.	0.	0.
	AREA	1,212.	693.	5,663.
	TOTAL	1,212.	693.	5,663.
14 HENRY CO	POINT	12.	1,891.	386.
	AREA	6,151.	3,594.	32,268.
	TOTAL	6,163.	5,485.	32,654.
14 IROQUOIS CO	POINT	6.	0.	0.
	AREA	4,161.	2,966.	20,429.
	TOTAL	4,167.	2,966.	20,429.
14 JACKSON CO	POINT	2,314.	3,951.	266.
	AREA	4,452.	2,449.	22,394.
	TOTAL	6,766.	6,400.	22,660.
14 J, PER CO	POINT	227.	4,759.	758.
	AREA	1,203.	748.	6,190.
	TOTAL	1,430.	5,507.	6,948.
14 JEFFERSON CO	POINT	85.	224.	5.
	AREA	4,522.	1,994.	17,785.
	TOTAL	4,607.	2,218.	17,790.
14 JERSEY CO	POINT	0.	0.	0.
	AREA	1,829.	1,093.	9,221.
	TOTAL	1,829.	1,093.	9,221.
14 JO DAVIESS CO	POINT	86.	33.	249.
	AREA	2,567.	1,375.	11,197.
	TOTAL	2,653.	1,408.	11,446.
14 JOHNSON CO	POINT	0.	21.	3.
	AREA	697.	563.	3,322.
	TOTAL	697.	584.	3,325.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
14 KANE CO	POINT	3,082.	285.	16.
	AREA	30,675.	12,357.	102,448.
	TOTAL	33,757.	12,642.	102,464.
14 KANKAKEE CO	POINT	3,867.	1,076.	68.
	AREA	9,790.	4,892.	38,382.
	TOTAL	13,657.	5,968.	38,450.
14 KENDALL CO	POINT	829.	1,756.	220.
	AREA	4,376.	1,549.	11,351.
	TOTAL	5,205.	3,305.	11,571.
14 KNOX CO	POINT	2,296.	519.	0.
	AREA	7,993.	3,250.	29,339.
	TOTAL	10,289.	3,769.	29,339.
14 LAKE CO	POINT	593.	9,852.	307.
	AREA	36,764.	15,645.	150,379.
	TOTAL	37,357.	25,497.	150,686.
14 LA SALLE CO	POINT	2,974.	3,183.	99.
	AREA	11,441.	5,876.	54,083.
	TOTAL	14,415.	9,059.	54,182.
14 LAWRENCE CO	POINT	0.	0.	0.
	AREA	1,630.	1,402.	8,294.
	TOTAL	1,630.	1,402.	8,294.
14 LEE CO	POINT	361.	292.	5.
	AREA	3,942.	2,184.	18,092.
	TOTAL	4,303.	2,476.	18,097.
14 LIVINGSTON CO	POINT	6,254.	201.	30.
	AREA	4,835.	2,834.	23,003.
	TOTAL	11,089.	3,035.	23,033.
14 LOGAN CO	POINT	3.	120.	17.
	AREA	3,742.	2,220.	19,279.
	TOTAL	3,745.	2,340.	19,296.
14 MC DONOUGH CO	POINT	0.	19.	0.
	AREA	3,321.	1,858.	15,832.
	TOTAL	3,321.	1,877.	15,832.
14 MC HENRY CO	POINT	553.	386.	45.
	AREA	13,071.	5,718.	39,404.
	TOTAL	13,624.	6,104.	39,449.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
14 MC LEAN CO	POINT	1,083.	150.	0.
	AREA	11,817.	6,544.	59,165.
	TOTAL	12,900.	6,694.	59,165.
14 MACON CO	POINT	4,438.	875.	23.
	AREA	10,358.	5,658.	51,438.
	TOTAL	14,796.	6,533.	51,461.
14 MACOUPIN CO	POINT	0.	0.	0.
	AREA	3,591.	2,415.	18,268.
	TOTAL	3,591.	2,415.	18,268.
14 MADISON CO	POINT	47,781.	17,569.	107,093.
	AREA	24,172.	11,969.	122,821.
	TOTAL	71,953.	29,538.	229,914.
14 MARION CO	POINT	49,344.	84.	104.
	AREA	4,604.	2,488.	20,760.
	TOTAL	53,948.	2,572.	20,864.
14 MARSHALL CO	POINT	4.	6.	0.
	AREA	1,390.	909.	6,794.
	TOTAL	1,394.	915.	6,794.
14 MASON CO	POINT	101.	6,072.	364.
	AREA	2,092.	1,193.	10,346.
	TOTAL	2,193.	7,265.	10,710.
14 MASSAC CO	POINT	616.	25,831.	1,368.
	AREA	1,305.	750.	6,365.
	TOTAL	1,921.	26,581.	7,733.
14 MENARD CO	POINT	0.	0.	0.
	AREA	729.	621.	3,947.
	TOTAL	729.	621.	3,947.
14 MERCER CO	POINT	0.	0.	0.
	AREA	1,441.	1,164.	8,265.
	TOTAL	1,441.	1,164.	8,265.
14 MONROE CO	POINT	10.	15.	2.
	AREA	1,855.	1,178.	10,899.
	TOTAL	1,865.	1,193.	10,901.
14 MONTGOMERY CO	POINT	244.	41,226.	748.
	AREA	4,226.	2,282.	20,477.
	TOTAL	4,470.	43,508.	21,225.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
14 MORGAN CO	POINT	159.	761.	77.
	AREA	4,305.	2,019.	18,310.
	TOTAL	4,464.	2,780.	18,387.
14 MOULTRIE CO	POINT	0.	0.	0.
	AREA	1,357.	897.	6,272.
	TOTAL	1,357.	897.	6,272.
14 OGLE CO	POINT	2,068.	60.	11.
	AREA	5,010.	2,680.	20,980.
	TOTAL	7,078.	2,740.	20,991.
14 PEORIA CO	POINT	5,756.	19,829.	1,194.
	AREA	17,840.	8,825.	71,974.
	TOTAL	23,596.	28,654.	73,168.
14 PERRY CO	POINT	361.	0.	0.
	AREA	2,448.	1,256.	10,697.
	TOTAL	2,809.	1,256.	10,697.
14 PIATT CO	POINT	0.	0.	0.
	AREA	1,358.	1,112.	7,919.
	TOTAL	1,358.	1,112.	7,919.
14 PIKE CO	POINT	0.	2.	0.
	AREA	2,403.	1,545.	12,689.
	TOTAL	2,403.	1,547.	12,689.
14 POPE CO	POINT	0.	0.	0.
	AREA	311.	291.	1,617.
	TOTAL	311.	291.	1,617.
14 PULASKI CO	POINT	0.	0.	2.
	AREA	645.	567.	3,003.
	TOTAL	645.	567.	3,005.
14 PUTNAM CO	POINT	462.	9,164.	60,280.
	AREA	803.	467.	2,967.
	TOTAL	1,265.	9,631.	63,247.
14 RANDOLPH CO	POINT	180.	1,535.	39.
	AREA	3,642.	1,931.	15,067.
	TOTAL	3,822.	3,466.	15,106.
14 RICHLAND CO	POINT	204.	4.	0.
	AREA	1,912.	1,051.	9,337.
	TOTAL	2,116.	1,055.	9,337.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
14 ROCK ISLAND CO	POINT	4,101.	662.	1,544.
	AREA	19,326.	7,543.	74,179.
	TOTAL	23,427.	8,205.	75,723.
14 ST CLAIR CO	POINT	8,620.	665.	214.
	AREA	21,541.	11,598.	125,068.
	TOTAL	30,161.	12,263.	125,282.
14 SALINE CO	POINT	0.	14.	0.
	AREA	1,979.	1,277.	11,112.
	TOTAL	1,979.	1,291.	11,112.
14 SANGAMON CO	POINT	1,969.	2,287.	82.
	AREA	15,022.	7,993.	73,979.
	TOTAL	16,991.	10,280.	74,061.
14 SCHUYLER CO	POINT	0.	0.	0.
	AREA	1,003.	728.	6,454.
	TOTAL	1,003.	728.	6,454.
14 SCOTT CO	POINT	0.	0.	0.
	AREA	779.	679.	3,943.
	TOTAL	779.	679.	3,943.
14 SHELBY CO	POINT	0.	0.	0.
	AREA	1,620.	1,293.	9,559.
	TOTAL	1,620.	1,293.	9,559.
14 STARK CO	POINT	0.	0.	0.
	AREA	550.	517.	2,931.
	TOTAL	550.	517.	2,931.
14 STEPHENSON CO	POINT	121.	0.	0.
	AREA	7,188.	2,228.	18,438.
	TOTAL	7,309.	2,228.	18,438.
14 TAZEWELL CO	POINT	1,245.	66,496.	1,315.
	AREA	13,158.	5,679.	53,521.
	TOTAL	14,403.	72,175.	54,836.
14 UNION CO	POINT	31.	0.	0.
	AREA	1,748.	1,074.	8,617.
	TOTAL	1,779.	1,074.	8,617.
14 VERMILION CO	POINT	507.	1,660.	92.
	AREA	12,028.	5,061.	41,149.
	TOTAL	12,535.	6,721.	41,241.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
14 WABASH CO	POINT	0.	2.	0.
	AREA	1,530.	683.	6,194.
	TOTAL	1,530.	685.	6,194.
14 WARREN CO	POINT	0.	0.	0.
	AREA	2,069.	1,406.	11,774.
	TOTAL	2,069.	1,406.	11,774.
14 WASHINGTON CO	POINT	58.	7.	0.
	AREA	1,407.	1,075.	8,409.
	TOTAL	1,465.	1,082.	8,409.
14 WAYNE CO	POINT	7.	95.	28.
	AREA	1,809.	995.	8,409.
	TOTAL	1,816.	1,090.	8,437.
14 WHITE CO	POINT	2.	27.	6.
	AREA	1,732.	1,176.	9,315.
	TOTAL	1,734.	1,203.	9,321.
14 WHITESIDE CO	POINT	98.	35.	6,208.
	AREA	6,411.	3,162.	25,945.
	TOTAL	6,509.	3,197.	32,153.
14 WILL CO	POINT	23,697.	53,387.	5,361.
	AREA	27,712.	13,704.	120,274.
	TOTAL	51,409.	67,091.	125,635.
14 WILLIAMSON CO	POINT	300.	3,869.	166.
	AREA	5,411.	2,568.	25,691.
	TOTAL	5,711.	6,437.	25,857.
14 WINNEBAGO CO	POINT	3,281.	649.	443.
	AREA	30,417.	10,336.	96,789.
	TOTAL	33,698.	10,985.	97,232.
14 WOODFORD CO	POINT	102.	0.	0.
	AREA	4,365.	3,620.	21,006.
	TOTAL	4,467.	3,620.	21,006.
15 ADAMS CO	POINT	238.	149.	92.
	AREA	3,686.	1,910.	12,448.
	TOTAL	3,924.	2,059.	12,540.
15 ALLEN CO	POINT	7,305.	2,032.	815.
	AREA	31,587.	15,639.	115,177.
	TOTAL	38,892.	17,671.	115,992.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
15 BARTHOLOMEW CO	POINT	351.	957.	481.
	AREA	10,927.	4,026.	28,239.
	TOTAL	11,278.	4,983.	28,720.
15 BENTON CO	POINT	244.	142.	18.
	AREA	1,170.	1,101.	6,115.
	TOTAL	1,414.	1,243.	6,133.
15 BLACKFORD CO	POINT	6,567.	32.	3.
	AREA	1,892.	1,277.	8,113.
	TOTAL	8,459.	1,309.	8,116.
15 BOONE CO	POINT	1,072.	2,204.	278.
	AREA	3,024.	2,258.	14,576.
	TOTAL	4,096.	4,462.	14,854.
15 BROWN CO	POINT	0.	0.	0.
	AREA	502.	485.	2,304.
	TOTAL	502.	485.	2,304.
15 CARROLL CO	POINT	114.	0.	0.
	AREA	2,317.	1,483.	8,953.
	TOTAL	2,431.	1,483.	8,953.
15 CASS CO	POINT	180.	911.	79.
	AREA	4,900.	3,245.	21,381.
	TOTAL	5,080.	4,156.	21,460.
15 CLARK CO	POINT	4,461.	747.	99.
	AREA	8,627.	4,355.	36,285.
	TOTAL	13,088.	5,102.	36,384.
15 CLAY CO	POINT	9.	110.	0.
	AREA	2,582.	2,000.	12,873.
	TOTAL	2,591.	2,110.	12,873.
15 CLINTON CO	POINT	800.	145.	6.
	AREA	3,604.	2,678.	16,900.
	TOTAL	4,404.	2,823.	16,906.
15 CRAWFORD CO	POINT	0.	0.	0.
	AREA	739.	648.	3,754.
	TOTAL	739.	648.	3,754.
15 DAVIESS CO	POINT	414.	11.	1.
	AREA	2,973.	1,808.	14,344.
	TOTAL	3,387.	1,819.	14,345.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
15 DEARBORN CO	POINT	7,169.	37,632.	1,540.
	AREA	2,710.	2,051.	14,792.
	TOTAL	9,879.	39,683.	16,332.
15 DECATUR CO	POINT	1,033.	8.	1.
	AREA	3,212.	1,649.	10,965.
	TOTAL	4,245.	1,657.	10,966.
15 DE KALB CO	POINT	0.	21.	230.
	AREA	4,979.	2,580.	15,713.
	TOTAL	4,979.	2,601.	15,943.
15 DELAWARE CO	POINT	626.	544.	2,028.
	AREA	14,567.	7,321.	62,940.
	TOTAL	15,193.	7,865.	64,968.
15 DUBOIS CO	POINT	3,785.	2,487.	589.
	AREA	4,541.	2,383.	15,890.
	TOTAL	8,326.	4,870.	16,479.
15 ELKHART CO	POINT	3,513.	132.	47.
	AREA	23,327.	9,534.	66,975.
	TOTAL	26,840.	9,666.	67,022.
15 FAYETTE CO	POINT	2,389.	52.	28.
	AREA	4,200.	1,718.	13,585.
	TOTAL	6,589.	1,770.	13,613.
15 FLOYD CO	POINT	555.	13,882.	886.
	AREA	5,432.	2,938.	25,592.
	TOTAL	5,987.	16,820.	26,478.
15 FOUNTAIN CO	POINT	0.	2.	79.
	AREA	2,537.	1,739.	10,639.
	TOTAL	2,537.	1,741.	10,718.
15 FRANKLIN CO	POINT	25.	6.	0.
	AREA	1,657.	1,175.	6,668.
	TOTAL	1,682.	1,181.	6,668.
15 FULTON CO	POINT	22.	44.	81.
	AREA	2,627.	1,683.	9,844.
	TOTAL	2,649.	1,727.	9,925.
15 GIBSON CO	POINT	918.	13,091.	732.
	AREA	4,174.	2,223.	17,953.
	TOTAL	5,092.	15,314.	18,685.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
15 GRANT CO	POINT	1,072.	1,924.	744.
	AREA	9,704.	5,064.	37,023.
	TOTAL	10,776.	6,988.	37,767.
15 GREENE CO	POINT	259.	0.	35.
	AREA	2,580.	2,049.	12,714.
	TOTAL	2,839.	2,049.	12,749.
15 HAMILTON CO	POINT	4,926.	1,313.	1,015.
	AREA	5,562.	3,922.	25,909.
	TOTAL	10,488.	5,235.	26,924.
15 HANCOCK CO	POINT	747.	112.	85.
	AREA	3,098.	2,585.	15,173.
	TOTAL	3,845.	2,697.	15,258.
15 HARRISON CO	POINT	429.	62.	58.
	AREA	2,381.	1,916.	10,954.
	TOTAL	2,810.	1,978.	11,012.
15 HENDRICKS CO	POINT	774.	94.	13.
	AREA	4,572.	3,676.	23,460.
	TOTAL	5,346.	3,770.	23,473.
15 HENRY CO	POINT	58.	297.	288.
	AREA	6,085.	3,516.	25,314.
	TOTAL	6,143.	3,813.	25,602.
15 HOWARD CO	POINT	3,567.	584.	4,496.
	AREA	12,582.	6,017.	37,945.
	TOTAL	16,149.	6,601.	42,441.
15 HUNTINGTON CO	POINT	954.	42.	3.
	AREA	5,710.	2,981.	19,087.
	TOTAL	6,664.	3,023.	19,090.
15 JACKSON CO	POINT	874.	56.	52.
	AREA	4,500.	2,669.	19,330.
	TOTAL	5,374.	2,725.	19,382.
15 JASPER CO	POINT	135.	24,192.	448.
	AREA	2,952.	1,942.	10,011.
	TOTAL	3,087.	26,134.	10,459.
15 JAY CO	POINT	649.	3,429.	1,313.
	AREA	3,677.	2,323.	14,272.
	TOTAL	4,326.	5,752.	15,585.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
15 JEFFERSON CO	POINT	811.	60,828.	2,071.
	AREA	2,299.	1,531.	11,468.
	TOTAL	3,110.	62,359.	13,539.
15 JENNINGS CO	POINT	2.	176.	12.
	AREA	2,249.	1,375.	8,558.
	TOTAL	2,251.	1,551.	8,570.
15 JOHNSON CO	POINT	2,862.	85.	27.
	AREA	6,346.	3,736.	28,549.
	TOTAL	9,208.	3,821.	28,576.
15 KNOX CO	POINT	107.	2,453.	144.
	AREA	4,272.	2,888.	21,083.
	TOTAL	4,379.	5,341.	21,227.
15 KOSCIUSKO CO	POINT	22,254.	88.	615.
	AREA	9,037.	4,518.	30,424.
	TOTAL	31,291.	4,606.	31,039.
15 LAGRANGE CO	POINT	106.	155.	0.
	AREA	2,734.	1,649.	8,820.
	TOTAL	2,840.	1,804.	8,820.
15 LAKE CO	POINT	33,637.	168,562.	305,699.
	AREA	39,938.	21,968.	195,955.
	TOTAL	73,575.	190,530.	501,654.
15 LA PORTE CO	POINT	2,868.	46,007.	4,429.
	AREA	13,207.	6,156.	44,404.
	TOTAL	16,075.	52,163.	48,833.
15 LAWRENCE CO	POINT	154.	438.	0.
	AREA	4,299.	3,151.	20,200.
	TOTAL	4,453.	3,589.	20,200.
15 MADISON CO	POINT	1,486.	1,928.	331.
	AREA	17,271.	7,829.	67,972.
	TOTAL	18,757.	9,757.	68,303.
15 MARION CO	POINT	5,443.	20,800.	53,352.
	AREA	75,551.	37,139.	310,967.
	TOTAL	80,994.	57,939.	364,319.
15 MARSHALL CO	POINT	757.	52.	311.
	AREA	5,304.	3,132.	19,653.
	TOTAL	6,061.	3,184.	19,964.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
15 MARTIN CO	POINT	5.	156.	32.
	AREA	961.	742.	4,512.
	TOTAL	966.	898.	4,544.
15 MIAMI CO	POINT	15.	1,482.	786.
	AREA	5,215.	2,738.	18,893.
	TOTAL	5,230.	4,220.	19,679.
15 MONROE CO	POINT	731.	749.	96.
	AREA	8,615.	5,224.	34,361.
	TOTAL	9,346.	5,973.	34,457.
15 MONTGOMERY CO	POINT	590.	612.	77.
	AREA	3,977.	2,631.	17,712.
	TOTAL	4,567.	3,243.	17,789.
15 MORGAN CO	POINT	149.	6,522.	386.
	AREA	3,861.	2,936.	19,880.
	TOTAL	4,010.	9,458.	20,266.
15 NEWTON CO	POINT	160.	0.	0.
	AREA	1,393.	1,162.	5,142.
	TOTAL	1,553.	1,162.	5,142.
15 NOBLE CO	POINT	151.	8.	5,198.
	AREA	4,120.	2,745.	17,218.
	TOTAL	4,271.	2,753.	22,416.
15 OHIO CO	POINT	0.	0.	0.
	AREA	310.	310.	1,564.
	TOTAL	310.	310.	1,564.
15 ORANGE CO	POINT	150.	2.	1.
	AREA	1,722.	1,282.	7,331.
	TOTAL	1,872.	1,284.	7,332.
15 OWEN CO	POINT	0.	0.	0.
	AREA	1,428.	1,026.	5,901.
	TOTAL	1,428.	1,026.	5,901.
15 PARKE CO	POINT	556.	1,435.	209.
	AREA	1,392.	1,231.	7,119.
	TOTAL	1,948.	2,666.	7,328.
15 PERRY CO	POINT	714.	117.	251.
	AREA	1,809.	1,295.	9,286.
	TOTAL	2,523.	1,412.	9,537.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
15 PIKE CO	POINT	879.	23,318.	1,366.
	AREA	1,077.	897.	5,876.
	TOTAL	1,956.	24,215.	7,242.
15 PORTER CO	POINT	6,543.	70,716.	5,434.
	AREA	7,397.	5,056.	38,784.
	TOTAL	13,940.	75,772.	44,218.
15 POSEY CO	POINT	1,502.	1,116.	1,898.
	AREA	3,750.	1,703.	14,024.
	TOTAL	5,252.	2,819.	15,922.
15 PULASKI CO	POINT	0.	0.	0.
	AREA	1,335.	1,194.	5,861.
	TOTAL	1,335.	1,194.	5,861.
15 PUTNAM CO	POINT	159.	1,562.	8.
	AREA	3,077.	1,919.	11,513.
	TOTAL	3,236.	3,481.	11,521.
15 RANDOLPH CO	POINT	1,884.	1,281.	15.
	AREA	3,854.	2,886.	17,586.
	TOTAL	5,738.	4,167.	17,601.
15 RIPLEY CO	POINT	2,975.	14.	19.
	AREA	2,963.	1,919.	10,962.
	TOTAL	5,938.	1,933.	10,981.
15 RUSH CO	POINT	0.	14.	951.
	AREA	2,051.	1,580.	10,092.
	TOTAL	2,051.	1,594.	11,043.
15 ST JOSEPH CO	POINT	3,368.	2,687.	1,617.
	AREA	28,275.	12,176.	93,172.
	TOTAL	31,643.	14,863.	94,789.
15 SCOTT CO	POINT	400.	32.	1.
	AREA	1,789.	1,280.	9,249.
	TOTAL	2,189.	1,312.	9,250.
15 SHELBY CO	POINT	273.	2,974.	183.
	AREA	4,147.	2,936.	17,135.
	TOTAL	4,420.	5,910.	17,318.
15 SPENCER CO	POINT	804.	31.	177.
	AREA	1,610.	1,457.	7,782.
	TOTAL	2,414.	1,488.	7,959.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
15 STARKE CO	POINT	0.	0.	0.
	AREA	2,188.	1,437.	8,868.
	TOTAL	2,188.	1,437.	8,868.
15 STEUBEN CO	POINT	8.	0.	0.
	AREA	4,434.	1,839.	14,907.
	TOTAL	4,442.	1,839.	14,907.
15 SULLIVAN CO	POINT	150.	27,617.	502.
	AREA	2,008.	1,600.	10,256.
	TOTAL	2,158.	29,217.	10,758.
15 SWITZERLAND CO	POINT	0.	0.	0.
	AREA	669.	510.	2,887.
	TOTAL	669.	510.	2,887.
15 TIPPECANOE CO	POINT	1,173.	2,659.	285.
	AREA	10,612.	6,355.	48,393.
	TOTAL	11,785.	9,014.	48,678.
15 TIPTON CO	POINT	11.	3.	0.
	AREA	1,568.	1,237.	8,114.
	TOTAL	1,579.	1,240.	8,114.
15 UNION CO	POINT	10.	0.	0.
	AREA	575.	658.	3,245.
	TOTAL	585.	658.	3,245.
15 VANDERBURGH CO	POINT	1,284.	3,765.	198.
	AREA	16,560.	10,088.	67,871.
	TOTAL	17,844.	13,853.	68,069.
15 VERMILLION CO	POINT	891.	25,954.	1,568.
	AREA	1,725.	1,305.	7,963.
	TOTAL	2,616.	27,259.	9,531.
15 VIGO CO	POINT	3,083.	19,870.	2,249.
	AREA	12,769.	6,524.	51,976.
	TOTAL	15,852.	26,394.	54,225.
15 WABASH CO	POINT	975.	859.	92.
	AREA	4,567.	2,477.	16,951.
	TOTAL	5,542.	3,336.	17,043.
15 WARREN CO	POINT	32.	334.	44.
	AREA	575.	611.	3,268.
	TOTAL	607.	945.	3,312.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
15 WARRICK CO	POINT	1,980.	29,143.	1,732.
	AREA	3,016.	2,950.	13,799.
	TOTAL	4,996.	32,093.	15,531.
15 WASHINGTON CO	POINT	452.	17.	7.
	AREA	2,659.	1,610.	9,588.
	TOTAL	3,111.	1,627.	9,595.
15 WAYNE CO	POINT	2,136.	3,626.	1,399.
	AREA	8,580.	4,547.	34,409.
	TOTAL	10,716.	8,173.	35,808.
15 WELLS CO	POINT	44.	0.	1,196.
	AREA	2,634.	2,305.	12,330.
	TOTAL	2,678.	2,305.	13,526.
15 WHITE CO	POINT	1,099.	46.	16.
	AREA	3,022.	1,992.	12,742.
	TOTAL	4,121.	2,038.	12,758.
15 WHITLEY CO	POINT	118.	0.	0.
	AREA	3,559.	2,290.	14,238.
	TOTAL	3,677.	2,290.	14,238.
16 ADAIR CO	POINT	0.	0.	0.
	AREA	1,451.	1,094.	8,328.
	TOTAL	1,451.	1,094.	8,328.
16 ADAMS CO	POINT	0.	0.	0.
	AREA	704.	516.	4,425.
	TOTAL	704.	516.	4,425.
16 ALLAMAKEE CO	POINT	20.	2,152.	70.
	AREA	1,998.	825.	7,465.
	TOTAL	2,018.	2,977.	7,535.
16 APPANOOSE CO	POINT	22.	45.	373.
	AREA	1,815.	962.	6,694.
	TOTAL	1,837.	1,007.	7,067.
16 AUDUBON CO	POINT	0.	2.	0.
	AREA	729.	645.	4,691.
	TOTAL	729.	647.	4,691.
16 BENTON CO	POINT	0.	16.	1.
	AREA	2,160.	1,564.	12,415.
	TOTAL	2,160.	1,580.	12,416.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
16 BLACK HAWK CO	POINT	149.	2,723.	18,114.
	AREA	14,725.	6,945.	68,227.
	TOTAL	14,874.	9,668.	86,341.
16 BOONE CO	POINT	21.	324.	276.
	AREA	2,276.	1,463.	12,669.
	TOTAL	2,297.	1,787.	12,945.
16 BREMER CO	POINT	9.	91.	24.
	AREA	2,065.	1,383.	10,240.
	TOTAL	2,074.	1,474.	10,264.
16 BUCHANAN CO	POINT	7.	74.	19.
	AREA	1,846.	1,370.	10,098.
	TOTAL	1,853.	1,444.	10,117.
16 BUENA VISTA CO	POINT	1.	88.	4.
	AREA	2,010.	1,298.	10,403.
	TOTAL	2,011.	1,386.	10,407.
16 BUTLER CO	POINT	0.	0.	0.
	AREA	1,259.	1,143.	7,148.
	TOTAL	1,259.	1,143.	7,148.
16 CALHOUN CO	POINT	0.	0.	0.
	AREA	1,141.	963.	6,392.
	TOTAL	1,141.	963.	6,392.
16 CARROLL CO	POINT	1.	54.	2.
	AREA	1,996.	1,400.	10,211.
	TOTAL	1,997.	1,454.	10,213.
16 CASS CO	POINT	0.	28.	1.
	AREA	2,196.	1,485.	12,998.
	TOTAL	2,196.	1,513.	12,999.
16 CEDAR CO	POINT	0.	27.	169.
	AREA	2,140.	1,733.	12,074.
	TOTAL	2,140.	1,760.	12,243.
16 CERRO GORDO CO	POINT	2.	1,651.	7.
	AREA	4,735.	2,703.	26,190.
	TOTAL	4,737.	4,354.	26,197.
16 CHEROKEE CO	POINT	1.	126.	10.
	AREA	1,489.	1,057.	8,251.
	TOTAL	1,490.	1,183.	8,261.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
16 CHICKASAW CO	POINT	6.	91.	18.
	AREA	1,413.	1,024.	7,422.
	TOTAL	1,419.	1,115.	7,440.
16 CLARKE CO	POINT	0.	0.	0.
	AREA	1,099.	716.	6,428.
	TOTAL	1,099.	716.	6,428.
16 CLAY CO	POINT	39.	740.	22.
	AREA	2,124.	1,172.	10,178.
	TOTAL	2,163.	1,912.	10,200.
16 CLAYTON CO	POINT	1.	13.	3.
	AREA	2,062.	1,389.	9,972.
	TOTAL	2,063.	1,402.	9,975.
16 CLINTON CO	POINT	652.	25,639.	746.
	AREA	7,842.	2,816.	27,242.
	TOTAL	8,494.	28,455.	27,988.
16 CRAWFORD CO	POINT	0.	4.	4.
	AREA	1,718.	1,207.	9,508.
	TOTAL	1,718.	1,211.	9,512.
16 DALLAS CO	POINT	4.	84.	222.
	AREA	2,873.	2,088.	14,604.
	TOTAL	2,877.	2,172.	14,826.
16 DAVIS CO	POINT	0.	0.	243.
	AREA	1,008.	769.	6,026.
	TOTAL	1,008.	769.	6,269.
16 DECATUR CO	POINT	0.	0.	0.
	AREA	919.	737.	5,410.
	TOTAL	919.	737.	5,410.
16 DELAWARE CO	POINT	0.	0.	0.
	AREA	1,680.	1,177.	9,270.
	TOTAL	1,680.	1,177.	9,270.
16 DES MOINES CO	POINT	102.	5,333.	506.
	AREA	6,117.	2,488.	22,046.
	TOTAL	6,219.	7,821.	22,552.
16 DICKINSON CO	POINT	1.	4.	0.
	AREA	2,187.	977.	8,702.
	TOTAL	2,188.	981.	8,702.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
16 DUBUQUE CO	POINT	315.	2,494.	4,162.
	AREA	9,661.	4,619.	40,434.
	TOTAL	9,976.	7,113.	44,596.
16 EMMET CO	POINT	10.	123.	29.
	AREA	1,513.	823.	6,940.
	TOTAL	1,523.	946.	6,969.
16 FAYETTE CO	POINT	0.	12.	2.
	AREA	2,196.	1,540.	11,259.
	TOTAL	2,196.	1,552.	11,261.
16 FLOYD CO	POINT	7.	96.	5,188.
	AREA	2,725.	1,240.	9,457.
	TOTAL	2,732.	1,336.	14,645.
16 FRANKLIN CO	POINT	2.	13.	0.
	AREA	1,691.	1,087.	8,832.
	TOTAL	1,693.	1,100.	8,832.
16 FREMONT CO	POINT	0.	0.	0.
	AREA	1,229.	812.	5,475.
	TOTAL	1,229.	812.	5,475.
16 GREENE CO	POINT	0.	0.	0.
	AREA	1,216.	864.	7,029.
	TOTAL	1,216.	864.	7,029.
16 GRUNDY CO	POINT	0.	0.	0.
	AREA	1,418.	1,004.	6,766.
	TOTAL	1,418.	1,004.	6,766.
16 GUTHRIE CO	POINT	0.	0.	0.
	AREA	854.	808.	5,112.
	TOTAL	854.	808.	5,112.
16 HAMILTON CO	POINT	3.	60.	7.
	AREA	2,358.	1,485.	12,821.
	TOTAL	2,361.	1,545.	12,828.
16 HANCOCK CO	POINT	0.	0.	0.
	AREA	1,300.	1,065.	6,824.
	TOTAL	1,300.	1,065.	6,824.
16 HARDIN CO	POINT	7.	119.	6.
	AREA	1,943.	1,336.	9,364.
	TOTAL	1,950.	1,455.	9,370.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
16 HARRISON CO	POINT	0.	0.	0.
	AREA	1,613.	1,268.	9,625.
	TOTAL	1,613.	1,268.	9,625.
16 HENRY CO	POINT	0.	0.	0.
	AREA	1,708.	1,059.	7,576.
	TOTAL	1,708.	1,059.	7,576.
16 HOWARD CO	POINT	0.	0.	0.
	AREA	980.	733.	5,740.
	TOTAL	980.	733.	5,740.
16 HUMBOLDT CO	POINT	16.	397.	34.
	AREA	1,160.	898.	6,834.
	TOTAL	1,176.	1,295.	6,868.
16 IDA CO	POINT	0.	0.	0.
	AREA	861.	655.	4,213.
	TOTAL	861.	655.	4,213.
16 IOWA CO	POINT	1.	15.	11.
	AREA	2,964.	1,601.	9,600.
	TOTAL	2,965.	1,616.	9,611.
16 JACKSON CO	POINT	21.	25.	983.
	AREA	1,901.	1,280.	9,616.
	TOTAL	1,922.	1,305.	10,599.
16 JASPER CO	POINT	4.	87.	117.
	AREA	4,197.	2,519.	22,218.
	TOTAL	4,201.	2,606.	22,335.
16 JEFFERSON CO	POINT	0.	8.	956.
	AREA	1,826.	852.	7,096.
	TOTAL	1,826.	860.	8,052.
16 JOHNSON CO	POINT	74.	1,005.	66.
	AREA	8,034.	4,141.	43,298.
	TOTAL	8,108.	5,146.	43,364.
16 JONES CO	POINT	0.	0.	0.
	AREA	1,740.	1,184.	9,033.
	TOTAL	1,740.	1,184.	9,033.
16 KEOKUK CO	POINT	0.	0.	0.
	AREA	1,035.	991.	5,939.
	TOTAL	1,035.	991.	5,939.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
16 KOSSUTH CO	POINT	1,833.	366.	5,879.
	AREA	2,182.	1,652.	11,648.
	TOTAL	4,015.	2,018.	17,527.
16 LEE CO	POINT	1,526.	1,642.	74.
	AREA	4,942.	2,025.	19,227.
	TOTAL	6,468.	3,667.	19,301.
16 LINN CO	POINT	242.	9,526.	1,690.
	AREA	20,718.	8,444.	85,426.
	TOTAL	20,960.	17,970.	87,116.
16 LOUISA CO	POINT	0.	0.	0.
	AREA	1,241.	771.	5,677.
	TOTAL	1,241.	771.	5,677.
16 LUCAS CO	POINT	0.	0.	0.
	AREA	950.	739.	5,390.
	TOTAL	950.	739.	5,390.
16 LYON CO	POINT	0.	0.	0.
	AREA	1,024.	836.	5,982.
	TOTAL	1,024.	836.	5,982.
16 MADISON CO	POINT	0.	0.	0.
	AREA	996.	799.	6,204.
	TOTAL	996.	799.	6,204.
16 MAHASKA CO	POINT	0.	0.	2,054.
	AREA	2,184.	1,337.	11,443.
	TOTAL	2,184.	1,337.	13,497.
16 MARION CO	POINT	66.	1,000.	133.
	AREA	3,200.	1,477.	12,268.
	TOTAL	3,266.	2,477.	12,401.
16 MARSHALL CO	POINT	58.	2,040.	1,423.
	AREA	5,041.	2,213.	19,028.
	TOTAL	5,099.	4,253.	20,451.
16 MILLS CO	POINT	0.	10.	0.
	AREA	1,258.	879.	7,025.
	TOTAL	1,258.	889.	7,025.
16 MITCHELL CO	POINT	0.	62.	0.
	AREA	951.	810.	5,834.
	TOTAL	951.	872.	5,834.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
16 MONONA CO	POINT	0.	0.	0.
	AREA	1,320.	1,038.	8,275.
	TOTAL	1,320.	1,038.	8,275.
16 MONROE CO	POINT	0.	0.	0.
	AREA	1,103.	675.	5,582.
	TOTAL	1,103.	675.	5,582.
16 MONTGOMERY CO	POINT	0.	0.	0.
	AREA	1,517.	769.	6,452.
	TOTAL	1,517.	769.	6,452.
16 MUSCATINE CO	POINT	107.	8,522.	860.
	AREA	5,127.	2,029.	16,689.
	TOTAL	5,234.	10,551.	17,549.
16 O'BRIEN CO	POINT	0.	36.	4.
	AREA	1,370.	1,063.	7,580.
	TOTAL	1,370.	1,099.	7,584.
16 OSCEOLA CO	POINT	0.	0.	0.
	AREA	877.	625.	4,815.
	TOTAL	877.	625.	4,815.
16 PAGE CO	POINT	0.	0.	0.
	AREA	1,530.	950.	8,037.
	TOTAL	1,530.	950.	8,037.
16 PALO ALTO CO	POINT	0.	4.	0.
	AREA	1,194.	878.	7,064.
	TOTAL	1,194.	882.	7,064.
16 PLYMOUTH CO	POINT	0.	0.	0.
	AREA	2,039.	1,577.	12,290.
	TOTAL	2,039.	1,577.	12,290.
16 POCAHONTAS CO	POINT	0.	0.	0.
	AREA	1,080.	930.	5,915.
	TOTAL	1,080.	930.	5,915.
16 POLK CO	POINT	4,034.	10,680.	5,327.
	AREA	39,167.	16,557.	184,937.
	TOTAL	43,201.	27,237.	190,264.
16 POTTAWATTAMIE CO	POINT	159.	3,292.	10,419.
	AREA	10,011.	5,265.	58,269.
	TOTAL	10,170.	8,557.	68,688.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
16 POWESHIEK CO	POINT	1.	19.	4.
	AREA	2,538.	1,471.	11,656.
	TOTAL	2,539.	1,490.	11,660.
16 RINGGOLD CO	POINT	0.	0.	0.
	AREA	651.	535.	4,126.
	TOTAL	651.	535.	4,126.
16 SAC CO	POINT	0.	2.	0.
	AREA	1,566.	1,107.	7,941.
	TOTAL	1,566.	1,109.	7,941.
16 SCOTT CO	POINT	449.	6,232.	2,186.
	AREA	15,268.	7,758.	79,962.
	TOTAL	15,717.	13,990.	82,148.
16 SHELBY CO	POINT	0.	5.	1.
	AREA	1,225.	931.	7,581.
	TOTAL	1,225.	936.	7,582.
16 SIOUX CO	POINT	189.	0.	0.
	AREA	2,486.	1,694.	12,319.
	TOTAL	2,675.	1,694.	12,319.
16 STORY CO	POINT	108.	1,462.	156.
	AREA	6,063.	3,886.	33,397.
	TOTAL	6,171.	5,348.	33,553.
16 TAMA CO	POINT	0.	3.	0.
	AREA	1,636.	1,394.	9,086.
	TOTAL	1,636.	1,397.	9,086.
16 TAYLOR CO	POINT	0.	0.	0.
	AREA	660.	548.	3,657.
	TOTAL	660.	548.	3,657.
16 UNION CO	POINT	5.	107.	12.
	AREA	1,367.	822.	8,023.
	TOTAL	1,372.	929.	8,035.
16 VAN BUREN CO	POINT	0.	0.	0.
	AREA	832.	641.	4,268.
	TOTAL	832.	641.	4,268.
16 WAPELLO CO	POINT	13.	498.	33.
	AREA	3,745.	1,902.	17,764.
	TOTAL	3,758.	2,400.	17,797.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
16 WARREN CO	POINT	19.	240.	54.
	AREA	2,361.	1,830.	13,020.
	TOTAL	2,380.	2,070.	13,074.
16 WASHINGTON CO	POINT	0.	1.	0.
	AREA	1,735.	1,261.	9,208.
	TOTAL	1,735.	1,262.	9,208.
16 WAYNE CO	POINT	0.	0.	0.
	AREA	862.	662.	3,925.
	TOTAL	862.	662.	3,925.
16 WEBSTER CO	POINT	9,868.	1,615.	58.
	AREA	4,328.	2,559.	22,606.
	TOTAL	14,196.	4,174.	22,664.
16 WINNEBAGO CO	POINT	56.	157.	13.
	AREA	2,948.	874.	5,567.
	TOTAL	3,004.	1,031.	5,580.
16 WINNESHIEK CO	POINT	0.	0.	0.
	AREA	1,671.	1,279.	10,033.
	TOTAL	1,671.	1,279.	10,033.
16 WOODBURY CO	POINT	493.	24,528.	1,378.
	AREA	10,875.	5,457.	55,756.
	TOTAL	11,368.	29,985.	57,134.
16 WORTH CO	POINT	0.	5.	0.
	AREA	905.	755.	5,364.
	TOTAL	905.	760.	5,364.
16 WRIGHT CO	POINT	1.	87.	6.
	AREA	1,612.	1,215.	9,150.
	TOTAL	1,613.	1,302.	9,156.
17 ALLEN CO	POINT	5.	3,105.	299.
	AREA	1,735.	1,133.	8,210.
	TOTAL	1,740.	4,238.	8,509.
17 ANDERSON CO	POINT	47.	159.	26.
	AREA	900.	754.	4,929.
	TOTAL	947.	913.	4,955.
17 ATCHISON CO	POINT	52.	151.	1.
	AREA	1,756.	1,389.	8,159.
	TOTAL	1,808.	1,540.	8,160.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
17 BARBER CO	POINT	0.	22.	1.
	AREA	631.	575.	3,569.
	TOTAL	631.	597.	3,570.
17 BARTON CO	POINT	729.	4,337.	291.
	AREA	3,256.	2,147.	16,175.
	TOTAL	3,985.	6,484.	16,466.
17 BOURBON CO	POINT	0.	0.	0.
	AREA	2,058.	1,409.	12,541.
	TOTAL	2,058.	1,409.	12,541.
17 BROWN CO	POINT	61.	186.	27.
	AREA	1,346.	1,063.	6,590.
	TOTAL	1,407.	1,249.	6,617.
17 BUTLER CO	POINT	13,655.	8,488.	1,399.
	AREA	5,197.	3,160.	26,781.
	TOTAL	18,852.	11,648.	28,180.
17 CHASE CO	POINT	0.	0.	0.
	AREA	1,043.	591.	5,305.
	TOTAL	1,043.	591.	5,305.
17 CHAUTAUQUA CO	POINT	0.	0.	0.
	AREA	530.	434.	2,758.
	TOTAL	530.	434.	2,758.
17 CHEROKEE CO	POINT	34.	3,482.	134.
	AREA	2,074.	1,452.	11,590.
	TOTAL	2,108.	4,934.	11,724.
17 CHEYENNE CO	POINT	3.	40.	8.
	AREA	417.	442.	2,467.
	TOTAL	420.	482.	2,475.
17 CLARK CO	POINT	1.	24.	5.
	AREA	391.	353.	1,977.
	TOTAL	392.	377.	1,982.
17 CLAY CO	POINT	0.	174.	0.
	AREA	1,407.	903.	6,921.
	TOTAL	1,407.	1,077.	6,921.
17 CLOUD CO	POINT	1.	33.	4.
	AREA	1,393.	1,028.	8,214.
	TOTAL	1,394.	1,061.	8,218.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
17 COFFEY CO	POINT	0.	9.	1.
	AREA	854.	823.	4,522.
	TOTAL	854.	832.	4,523.
17 COMANCHE CO	POINT	35.	173.	48.
	AREA	251.	271.	1,368.
	TOTAL	286.	444.	1,416.
17 COWLEY CO	POINT	1,594.	1,380.	76.
	AREA	3,780.	2,169.	18,523.
	TOTAL	5,374.	3,549.	18,599.
17 CRAWFORD CO	POINT	0.	1.	0.
	AREA	3,565.	2,263.	16,417.
	TOTAL	3,565.	2,264.	16,417.
17 DECATUR CO	POINT	2.	28.	6.
	AREA	479.	482.	2,769.
	TOTAL	481.	510.	2,775.
17 DICKINSON CO	POINT	130.	1,051.	114.
	AREA	2,721.	1,821.	14,828.
	TOTAL	2,851.	2,872.	14,942.
17 DONIPHAN CO	POINT	0.	0.	0.
	AREA	985.	771.	4,709.
	TOTAL	985.	771.	4,709.
17 DOUGLAS CO	POINT	251.	19,849.	602.
	AREA	6,077.	3,577.	30,809.
	TOTAL	6,328.	23,426.	31,411.
17 EDWARDS CO	POINT	14.	191.	76.
	AREA	532.	447.	2,411.
	TOTAL	546.	638.	2,487.
17 ELK CO	POINT	0.	0.	0.
	AREA	497.	368.	2,675.
	TOTAL	497.	368.	2,675.
17 ELLIS CO	POINT	26.	548.	4.
	AREA	2,569.	1,672.	13,754.
	TOTAL	2,595.	2,220.	13,758.
17 ELLSWORTH CO	POINT	37.	101.	14.
	AREA	1,274.	854.	5,247.
	TOTAL	1,311.	955.	5,261.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
17 FINNEY CO	POINT	85.	1,264.	564.
	AREA	2,403.	1,652.	14,207.
	TOTAL	2,488.	2,916.	14,771.
17 FORD CO	POINT	45.	1,306.	72.
	AREA	2,740.	1,845.	15,596.
	TOTAL	2,785.	3,151.	15,668.
17 FRANKLIN CO	POINT	160.	1,719.	105.
	AREA	2,397.	1,663.	13,535.
	TOTAL	2,557.	3,382.	13,640.
17 GEARY CO	POINT	0.	0.	0.
	AREA	3,129.	1,684.	16,291.
	TOTAL	3,129.	1,684.	16,291.
17 GOVE CO	POINT	0.	0.	0.
	AREA	785.	679.	3,911.
	TOTAL	785.	679.	3,911.
17 GRAHAM CO	POINT	1.	1,972.	8.
	AREA	396.	408.	2,290.
	TOTAL	397.	2,380.	2,298.
17 GRANT CO	POINT	468.	3,191.	224.
	AREA	1,204.	707.	5,372.
	TOTAL	1,672.	3,898.	5,596.
17 GRAY CO	POINT	0.	0.	0.
	AREA	595.	665.	3,536.
	TOTAL	595.	665.	3,536.
17 GREELEY CO	POINT	0.	0.	0.
	AREA	302.	290.	1,628.
	TOTAL	302.	290.	1,628.
17 GREENWOOD CO	POINT	0.	0.	0.
	AREA	1,861.	1,017.	9,749.
	TOTAL	1,861.	1,017.	9,749.
17 HAMILTON CO	POINT	0.	0.	0.
	AREA	346.	360.	1,954.
	TOTAL	346.	360.	1,954.
17 HARPER CO	POINT	6.	88.	15.
	AREA	822.	757.	4,814.
	TOTAL	828.	845.	4,829.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
17 HARVEY CO	POINT	0.	0.	0.
	AREA	3,979.	2,185.	17,732.
	TOTAL	3,979.	2,185.	17,732.
17 HASKELL CO	POINT	0.	0.	0.
	AREA	461.	522.	2,771.
	TOTAL	461.	522.	2,771.
17 HODGEMAN CO	POINT	16.	54.	8.
	AREA	345.	355.	2,074.
	TOTAL	361.	409.	2,082.
17 JACKSON CO	POINT	7.	154.	45.
	AREA	1,024.	955.	5,763.
	TOTAL	1,031.	1,109.	5,808.
17 JEFFERSON CO	POINT	0.	0.	0.
	AREA	1,135.	1,108.	5,687.
	TOTAL	1,135.	1,108.	5,687.
17 JEWELL CO	POINT	0.	0.	0.
	AREA	757.	689.	4,265.
	TOTAL	757.	689.	4,265.
17 JOHNSON CO	POINT	8.	422.	5.
	AREA	26,690.	14,175.	145,869.
	TOTAL	26,698.	14,597.	145,874.
17 KEARNEY CO	POINT	77.	243.	41.
	AREA	487.	386.	2,428.
	TOTAL	564.	629.	2,469.
17 KINGMAN CO	POINT	2.	36.	7.
	AREA	1,226.	924.	7,003.
	TOTAL	1,228.	960.	7,010.
17 KIOWA CO	POINT	240.	829.	180.
	AREA	498.	469.	2,580.
	TOTAL	738.	1,298.	2,760.
17 LABETTE CO	POINT	40.	521.	30.
	AREA	2,869.	1,630.	11,910.
	TOTAL	2,909.	2,151.	11,940.
17 LANE CO	POINT	0.	0.	0.
	AREA	330.	307.	1,789.
	TOTAL	330.	307.	1,789.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
17 LEAVENWORTH CO	POINT	30.	121.	71.
	AREA	4,093.	2,649.	19,092.
	TOTAL	4,123.	2,770.	19,163.
17 LINCOLN CO	POINT	170.	431.	56.
	AREA	564.	569.	3,312.
	TOTAL	734.	1,000.	3,368.
17 LINN CO	POINT	423.	77,444.	1,416.
	AREA	833.	800.	4,181.
	TOTAL	1,256.	78,244.	5,597.
17 LOGAN CO	POINT	96.	252.	33.
	AREA	397.	396.	2,274.
	TOTAL	493.	648.	2,307.
17 LYON CO	POINT	0.	66.	2.
	AREA	3,524.	2,214.	19,422.
	TOTAL	3,524.	2,280.	19,424.
17 MC PHERSON CO	POINT	2,755.	3,693.	615.
	AREA	2,687.	1,726.	11,501.
	TOTAL	5,442.	5,419.	12,116.
17 MARION CO	POINT	6.	82.	17.
	AREA	1,765.	1,205.	8,816.
	TOTAL	1,771.	1,287.	8,833.
17 MARSHALL CO	POINT	0.	0.	0.
	AREA	2,826.	1,768.	15,045.
	TOTAL	2,826.	1,768.	15,045.
17 MEADE CO	POINT	123.	396.	79.
	AREA	540.	541.	2,816.
	TOTAL	663.	937.	2,895.
17 MIAMI CO	POINT	0.	0.	0.
	AREA	1,870.	1,519.	10,123.
	TOTAL	1,870.	1,519.	10,123.
17 MITCHELL CO	POINT	7.	21.	2.
	AREA	918.	688.	5,099.
	TOTAL	925.	709.	5,101.
17 MONTGOMERY CO	POINT	3,000.	2,031.	1,586.
	AREA	4,600.	2,357.	19,380.
	TOTAL	7,600.	4,388.	20,966.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
17 MORRIS CO	POINT	0.	0.	0.
	AREA	1,047.	635.	4,996.
	TOTAL	1,047.	635.	4,996.
17 MORTON CO	POINT	0.	41.	3.
	AREA	335.	400.	1,813.
	TOTAL	335.	441.	1,816.
17 NEMAHA CO	POINT	172.	544.	79.
	AREA	1,084.	982.	5,527.
	TOTAL	1,256.	1,526.	5,606.
17 NEOSHO CO	POINT	692.	531.	40.
	AREA	2,495.	1,466.	10,048.
	TOTAL	3,187.	1,997.	10,088.
17 NESS CO	POINT	0.	0.	0.
	AREA	527.	526.	2,979.
	TOTAL	527.	526.	2,979.
17 NORTON CO	POINT	143.	369.	49.
	AREA	673.	659.	3,638.
	TOTAL	816.	1,028.	3,687.
17 OSAGE CO	POINT	137.	402.	58.
	AREA	1,616.	1,272.	8,200.
	TOTAL	1,753.	1,674.	8,258.
17 OSBORNE CO	POINT	6.	79.	17.
	AREA	600.	596.	3,276.
	TOTAL	606.	675.	3,293.
17 OTTAWA CO	POINT	166.	420.	54.
	AREA	809.	700.	3,873.
	TOTAL	975.	1,120.	3,927.
17 PAWNEE CO	POINT	41.	414.	138.
	AREA	941.	710.	5,599.
	TOTAL	982.	1,124.	5,737.
17 PHILLIPS CO	POINT	1,129.	1,603.	298.
	AREA	984.	769.	5,941.
	TOTAL	2,113.	2,372.	6,239.
17 POTTAWATOMIE CO	POINT	107.	287.	39.
	AREA	2,511.	1,177.	10,615.
	TOTAL	2,618.	1,464.	10,654.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
17 PRATT CO	POINT	0.	191.	1.
	AREA	1,338.	885.	7,692.
	TOTAL	1,338.	1,076.	7,693.
17 RAWLINS CO	POINT	0.	4.	0.
	AREA	435.	467.	2,676.
	TOTAL	435.	471.	2,676.
17 RENO CO	POINT	32.	3,946.	466.
	AREA	6,862.	4,045.	29,528.
	TOTAL	6,894.	7,991.	29,994.
17 REPUBLIC CO	POINT	152.	399.	53.
	AREA	1,080.	866.	5,993.
	TOTAL	1,232.	1,265.	6,046.
17 RICE CO	POINT	56.	179.	27.
	AREA	1,182.	1,021.	6,458.
	TOTAL	1,238.	1,200.	6,485.
17 RILEY CO	POINT	73.	368.	12.
	AREA	4,443.	2,663.	22,067.
	TOTAL	4,516.	3,031.	22,079.
17 ROOKS CO	POINT	1.	23.	5.
	AREA	974.	673.	5,188.
	TOTAL	975.	696.	5,193.
17 RUSH CO	POINT	57.	164.	23.
	AREA	671.	556.	3,251.
	TOTAL	728.	720.	3,274.
17 RUSSELL CO	POINT	14.	183.	39.
	AREA	1,460.	1,023.	8,839.
	TOTAL	1,474.	1,206.	8,878.
17 SALINE CO	POINT	3.	2,382.	57.
	AREA	5,839.	3,337.	32,435.
	TOTAL	5,842.	5,719.	32,492.
17 SCOTT CO	POINT	141.	327.	3,693.
	AREA	719.	588.	4,986.
	TOTAL	860.	915.	8,679.
17 SEDGWICK CO	POINT	66,904.	16,560.	381.
	AREA	47,285.	20,069.	205,163.
	TOTAL	114,189.	36,629.	205,544.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
17 SEWARD CO	POINT	87.	1,947.	48.
	AREA	2,070.	1,227.	12,036.
	TOTAL	2,157.	3,174.	12,084.
17 SHAWNEE CO	POINT	84.	5,624.	301.
	AREA	13,053.	8,053.	68,801.
	TOTAL	13,137.	13,677.	69,102.
17 SHERIDAN CO	POINT	0.	0.	0.
	AREA	427.	424.	2,291.
	TOTAL	427.	424.	2,291.
17 SHERMAN CO	POINT	220.	868.	85.
	AREA	1,375.	921.	9,143.
	TOTAL	1,595.	1,789.	9,228.
17 SMITH CO	POINT	0.	0.	0.
	AREA	729.	699.	3,971.
	TOTAL	729.	699.	3,971.
17 STAFFORD CO	POINT	87.	239.	32.
	AREA	666.	676.	3,694.
	TOTAL	753.	915.	3,726.
17 STANTON CO	POINT	50.	133.	18.
	AREA	267.	327.	1,822.
	TOTAL	317.	460.	1,840.
17 STEVENS CO	POINT	122.	320.	43.
	AREA	662.	616.	4,718.
	TOTAL	784.	936.	4,761.
17 SUMNER CO	POINT	85.	458.	30.
	AREA	2,958.	2,031.	14,868.
	TOTAL	3,043.	2,489.	14,898.
17 THOMAS CO	POINT	5.	1,137.	19.
	AREA	1,388.	954.	8,764.
	TOTAL	1,393.	2,091.	8,783.
17 TREGO CO	POINT	0.	1.	0.
	AREA	762.	652.	4,082.
	TOTAL	762.	653.	4,082.
17 WABAUNSEE CO	POINT	C.	0.	0.
	AREA	1,481.	962.	7,514.
	TOTAL	1,481.	962.	7,514.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
17 WALLACE CO	POINT	1.	17.	3.
	AREA	274.	309.	1,817.
	TOTAL	275.	326.	1,820.
17 WASHINGTON CO	POINT	68.	177.	23.
	AREA	1,016.	976.	5,554.
	TOTAL	1,084.	1,153.	5,577.
17 WICHITA CO	POINT	0.	0.	0.
	AREA	355.	460.	2,399.
	TOTAL	355.	460.	2,399.
17 WILSON CO	POINT	804.	533.	8.
	AREA	1,378.	871.	6,381.
	TOTAL	2,182.	1,404.	6,389.
17 WOODSON CO	POINT	0.	0.	0.
	AREA	511.	482.	2,728.
	TOTAL	511.	482.	2,728.
17 WYANDOTTE CO	POINT	18,852.	14,322.	2,651.
	AREA	21,457.	10,553.	102,309.
	TOTAL	40,309.	24,875.	104,960.
18 ADAIR CO	POINT	21.	0.	0.
	AREA	1,176.	880.	6,850.
	TOTAL	1,197.	880.	6,850.
18 ALLEN CO	POINT	37.	9.	509.
	AREA	1,406.	892.	6,504.
	TOTAL	1,443.	901.	7,013.
18 ANDERSON CO	POINT	603.	73.	11.
	AREA	990.	851.	5,356.
	TOTAL	1,593.	924.	5,367.
18 BALLARD CO	POINT	111.	333.	10,152.
	AREA	1,000.	837.	4,728.
	TOTAL	1,111.	1,170.	14,880.
18 BARREN CO	POINT	309.	58.	78.
	AREA	3,479.	2,080.	16,160.
	TOTAL	3,788.	2,138.	16,238.
18 BATH CO	POINT	0.	0.	0.
	AREA	690.	618.	3,633.
	TOTAL	690.	618.	3,633.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 BELL CO	POINT	60.	640.	248.
	AREA	2,794.	1,540.	13,093.
	TOTAL	2,854.	2,180.	13,341.
18 BOONE CO	POINT	794.	87.	11.
	AREA	4,850.	2,967.	16,871.
	TOTAL	5,644.	3,054.	16,882.
18 BOURBON CO	POINT	39.	3.	0.
	AREA	1,750.	1,162.	9,200.
	TOTAL	1,789.	1,165.	9,200.
18 BOYD CO	POINT	9,690.	4,091.	55,803.
	AREA	5,103.	3,013.	26,768.
	TOTAL	14,793.	7,104.	82,571.
18 BOYLE CO	POINT	543.	39.	46.
	AREA	2,564.	1,439.	10,426.
	TOTAL	3,107.	1,478.	10,472.
18 BRACKEN CO	POINT	393.	0.	0.
	AREA	740.	640.	3,674.
	TOTAL	1,133.	640.	3,674.
18 BREATHITT CO	POINT	43.	5.	0.
	AREA	1,156.	745.	5,682.
	TOTAL	1,199.	750.	5,682.
18 BRECKINRIDGE CO	POINT	0.	4.	0.
	AREA	1,396.	1,205.	7,174.
	TOTAL	1,396.	1,209.	7,174.
18 BULLITT CO	POINT	4,123.	24.	1.
	AREA	2,164.	1,606.	9,814.
	TOTAL	6,287.	1,630.	9,815.
18 BUTLER CO	POINT	0.	0.	0.
	AREA	937.	693.	4,192.
	TOTAL	937.	693.	4,192.
18 CALDWELL CO	POINT	24.	2.	109.
	AREA	1,392.	899.	7,390.
	TOTAL	1,416.	901.	7,499.
18 CALLOWAY CO	POINT	643.	59.	4.
	AREA	2,648.	1,748.	13,741.
	TOTAL	3,291.	1,807.	13,745.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 CAMPBELL CO	POINT	225.	30.	2.
	AREA	5,521.	3,306.	32,354.
	TOTAL	5,746.	3,336.	32,356.
18 CARLISLE CO	POINT	0.	0.	0.
	AREA	579.	459.	2,681.
	TOTAL	579.	459.	2,681.
18 CARROLL CO	POINT	802.	19,758.	1,097.
	AREA	1,056.	663.	4,937.
	TOTAL	1,858.	20,421.	6,034.
18 CARTER CO	POINT	38.	10.	2.
	AREA	2,120.	1,388.	9,860.
	TOTAL	2,158.	1,398.	9,862.
18 CASEY CO	POINT	0.	0.	0.
	AREA	1,192.	945.	6,351.
	TOTAL	1,192.	945.	6,351.
18 CHRISTIAN CO	POINT	2,594.	13.	19.
	AREA	6,359.	3,618.	30,971.
	TOTAL	8,953.	3,631.	30,990.
18 CLARK CO	POINT	469.	4,763.	281.
	AREA	2,767.	1,454.	11,322.
	TOTAL	3,236.	6,217.	11,603.
18 CLAY CO	POINT	35.	0.	0.
	AREA	1,478.	1,003.	6,766.
	TOTAL	1,513.	1,003.	6,766.
18 CLINTON CO	POINT	2,421.	13.	1,424.
	AREA	924.	579.	3,829.
	TOTAL	3,345.	592.	5,253.
18 CRITTENDEN CO	POINT	4.	2.	0.
	AREA	923.	615.	4,709.
	TOTAL	927.	617.	4,709.
18 CUMBERLAND CO	POINT	0.	0.	0.
	AREA	724.	460.	3,622.
	TOTAL	724.	460.	3,622.
18 DAVIESS CO	POINT	5,421.	16,540.	2,073.
	AREA	7,364.	4,551.	42,058.
	TOTAL	12,785.	21,091.	44,131.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 EDMONSON CO	POINT	0.	0.	0.
	AREA	685.	507.	3,539.
	TOTAL	685.	507.	3,539.
18 ELLIOTT CO	POINT	0.	0.	0.
	AREA	448.	307.	2,359.
	TOTAL	448.	307.	2,359.
18 ESTILL CO	POINT	34.	24.	3.
	AREA	1,156.	749.	5,656.
	TOTAL	1,190.	773.	5,659.
18 FAYETTE CO	POINT	1,490.	609.	57.
	AREA	17,067.	9,603.	92,501.
	TOTAL	18,557.	10,212.	92,558.
18 FLEMING CO	POINT	16.	0.	0.
	AREA	1,125.	969.	5,441.
	TOTAL	1,141.	969.	5,441.
18 FLOYD CO	POINT	131.	74.	25.
	AREA	3,161.	2,153.	14,080.
	TOTAL	3,292.	2,227.	14,105.
18 FRANKLIN CO	POINT	6,720.	234.	31.
	AREA	4,771.	3,262.	26,937.
	TOTAL	11,491.	3,496.	26,968.
18 FULTON CO	POINT	39.	1.	69.
	AREA	1,374.	813.	7,811.
	TOTAL	1,413.	814.	7,880.
18 GALLATIN CO	POINT	4.	0.	0.
	AREA	437.	377.	1,858.
	TOTAL	441.	377.	1,858.
18 GARRARD CO	POINT	230.	3.	0.
	AREA	915.	583.	4,577.
	TOTAL	1,145.	586.	4,577.
18 GRANT CO	POINT	76.	2,029.	104.
	AREA	1,177.	962.	5,214.
	TOTAL	1,253.	2,991.	5,318.
18 GRAVES CO	POINT	286.	315.	26.
	AREA	3,097.	2,231.	16,493.
	TOTAL	3,383.	2,546.	16,519.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 GRAYSON CO	POINT	118.	22.	1,224.
	AREA	2,035.	1,360.	9,501.
	TOTAL	2,153.	1,382.	10,725.
18 GREEN CO	POINT	43.	306.	13.
	AREA	880.	834.	4,952.
	TOTAL	923.	1,140.	4,965.
18 GREENUP CO	POINT	757.	456.	39.
	AREA	2,844.	1,855.	16,060.
	TOTAL	3,601.	2,311.	16,099.
18 HANCOCK CO	POINT	1,077.	13,795.	5,065.
	AREA	789.	657.	3,693.
	TOTAL	1,866.	14,452.	8,758.
18 HARDIN CO	POINT	374.	31.	2.
	AREA	7,219.	3,904.	32,066.
	TOTAL	7,593.	3,935.	32,068.
18 HARLAN CO	POINT	323.	69.	2,264.
	AREA	2,524.	1,915.	11,047.
	TOTAL	2,847.	1,984.	13,311.
18 HARRISON CO	POINT	452.	44.	4.
	AREA	1,709.	1,177.	8,683.
	TOTAL	2,161.	1,221.	8,687.
18 HART CO	POINT	302.	3.	0.
	AREA	1,338.	1,019.	6,778.
	TOTAL	1,640.	1,022.	6,778.
18 HENDERSON CO	POINT	1,356.	1,202.	3,926.
	AREA	4,530.	2,369.	19,209.
	TOTAL	5,886.	3,571.	23,135.
18 HENRY CO	POINT	55.	7.	17.
	AREA	1,023.	946.	5,114.
	TOTAL	1,078.	953.	5,131.
18 HICKMAN CO	POINT	0.	0.	0.
	AREA	506.	463.	2,228.
	TOTAL	506.	463.	2,228.
18 HOPKINS CO	POINT	1,102.	79.	706.
	AREA	4,588.	2,588.	19,431.
	TOTAL	5,690.	2,667.	20,137.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 JACKSON CO	POINT	0.	0.	0.
	AREA	744.	588.	3,537.
	TOTAL	744.	588.	3,537.
18 JEFFERSON CO	POINT	31,879.	42,691.	10,659.
	AREA	64,245.	31,689.	314,597.
	TOTAL	96,124.	74,380.	325,256.
18 JESSAMINE CO	POINT	0.	1.	6.
	AREA	1,754.	1,075.	8,508.
	TOTAL	1,754.	1,076.	8,514.
18 JOHNSON CO	POINT	158.	7.	0.
	AREA	1,733.	1,126.	8,506.
	TOTAL	1,891.	1,133.	8,506.
18 KENTON CO	POINT	1,146.	50.	527.
	AREA	9,264.	5,486.	47,418.
	TOTAL	10,410.	5,536.	47,945.
18 KNOTT CO	POINT	0.	0.	0.
	AREA	1,005.	701.	4,743.
	TOTAL	1,005.	701.	4,743.
18 KNOX CO	POINT	2,461.	65.	1,438.
	AREA	1,767.	1,119.	8,659.
	TOTAL	4,228.	1,184.	10,097.
18 LARUE CO	POINT	152.	84.	5.
	AREA	1,174.	828.	6,435.
	TOTAL	1,326.	912.	6,440.
18 LAUREL CO	POINT	118.	98.	117.
	AREA	2,630.	1,871.	10,494.
	TOTAL	2,748.	1,969.	10,611.
18 LAWRENCE CO	POINT	880.	23,949.	1,330.
	AREA	1,222.	717.	6,060.
	TOTAL	2,102.	24,666.	7,390.
18 LEE CO	POINT	384.	0.	0.
	AREA	529.	397.	2,570.
	TOTAL	913.	397.	2,570.
18 LESLIE CO	POINT	0.	0.	0.
	AREA	761.	535.	3,692.
	TOTAL	761.	535.	3,692.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
18 LETCHER CO	POINT	119.	97.	474.
	AREA	1,799.	1,387.	8,941.
	TOTAL	1,918.	1,484.	9,415.
18 LEWIS CO	POINT	0.	0.	0.
	AREA	1,350.	903.	6,275.
	TOTAL	1,350.	903.	6,275.
18 LINCOLN CO	POINT	1.	0.	0.
	AREA	1,581.	1,250.	7,655.
	TOTAL	1,582.	1,250.	7,655.
18 LIVINGSTON CO	POINT	35.	3.	411.
	AREA	1,112.	805.	4,651.
	TOTAL	1,147.	808.	5,062.
18 LOGAN CO	POINT	252.	92.	4.
	AREA	2,201.	1,523.	10,349.
	TOTAL	2,453.	1,615.	10,353.
18 LYON CO	POINT	33.	23.	3.
	AREA	529.	372.	2,328.
	TOTAL	562.	395.	2,331.
18 MC CRACKEN CO	POINT	2,711.	43,114.	2,395.
	AREA	6,000.	3,401.	30,614.
	TOTAL	8,711.	46,515.	33,009.
18 MC CREARY CO	POINT	0.	C.	0.
	AREA	934.	636.	3,873.
	TOTAL	934.	636.	3,873.
18 MC LEAN CO	POINT	30.	15.	12.
	AREA	874.	873.	4,218.
	TOTAL	904.	888.	4,230.
18 MADISON CO	POINT	415.	188.	20.
	AREA	4,078.	2,254.	17,598.
	TOTAL	4,493.	2,442.	17,618.
18 MAGOFFIN CO	POINT	0.	0.	0.
	AREA	1,302.	623.	6,560.
	TOTAL	1,302.	623.	6,560.
18 MARION CO	POINT	264.	97.	20.
	AREA	1,447.	1,002.	7,897.
	TOTAL	1,711.	1,099.	7,917.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 MARSHALL CO	POINT	9,774.	2,652.	1,320.
	AREA	2,566.	1,809.	11,065.
	TOTAL	12,340.	4,461.	12,385.
18 MARTIN CO	POINT	0.	0.	0.
	AREA	739.	528.	3,493.
	TOTAL	739.	528.	3,493.
18 MASON CO	POINT	29.	27.	3.
	AREA	2,282.	1,185.	8,757.
	TOTAL	2,311.	1,212.	8,760.
18 MEADE CO	POINT	9,130.	1,848.	187.
	AREA	1,255.	1,016.	6,213.
	TOTAL	10,385.	2,864.	6,400.
18 MENIFEE CO	POINT	0.	0.	0.
	AREA	356.	286.	1,874.
	TOTAL	356.	286.	1,874.
18 MERCER CO	POINT	733.	13,498.	762.
	AREA	2,009.	1,196.	9,625.
	TOTAL	2,742.	14,694.	10,387.
18 METCALFE CO	POINT	14.	19.	163.
	AREA	772.	649.	4,500.
	TOTAL	786.	668.	4,663.
18 MONROE CO	POINT	0.	0.	0.
	AREA	1,091.	757.	5,319.
	TOTAL	1,091.	757.	5,319.
18 MONTGOMERY CO	POINT	536.	38.	3.
	AREA	1,871.	1,138.	8,436.
	TOTAL	2,407.	1,176.	8,439.
18 MORGAN CO	POINT	4.	1.	49.
	AREA	1,211.	726.	6,233.
	TOTAL	1,215.	727.	6,282.
18 MUHLENBERG CO	POINT	1,017.	159,762.	3,297.
	AREA	2,362.	1,779.	11,520.
	TOTAL	3,379.	161,541.	14,817.
18 NELSON CO	POINT	6,000.	329.	37.
	AREA	2,608.	1,784.	10,864.
	TOTAL	8,608.	2,113.	10,901.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 NICHOLAS CO	POINT	0.	0.	0.
	AREA	737.	677.	3,003.
	TOTAL	737.	677.	3,003.
18 OHIO CO	POINT	243.	45.	521.
	AREA	2,043.	1,444.	8,643.
	TOTAL	2,286.	1,489.	9,164.
18 OLDHAM CO	POINT	223.	24.	2.
	AREA	1,225.	1,058.	4,918.
	TOTAL	1,448.	1,082.	4,920.
18 OWEN CO	POINT	25.	0.	0.
	AREA	612.	519.	3,043.
	TOTAL	637.	519.	3,043.
18 OWSLEY CO	POINT	0.	0.	0.
	AREA	454.	289.	2,402.
	TOTAL	454.	289.	2,402.
18 PENDLETON CO	POINT	28.	0.	0.
	AREA	997.	748.	4,840.
	TOTAL	1,025.	748.	4,840.
18 PERRY CO	POINT	83.	6.	0.
	AREA	2,391.	1,617.	12,501.
	TOTAL	2,474.	1,623.	12,501.
18 PIKE CO	POINT	194.	79.	13.
	AREA	5,105.	3,726.	24,331.
	TOTAL	5,299.	3,805.	24,344.
18 POWELL CO	POINT	0.	10.	2.
	AREA	646.	512.	3,009.
	TOTAL	646.	522.	3,011.
18 PULASKI CO	POINT	686.	7,471.	424.
	AREA	4,106.	2,727.	18,849.
	TOTAL	4,792.	10,198.	19,273.
18 ROBERTSON CO	POINT	0.	0.	0.
	AREA	171.	180.	973.
	TOTAL	171.	180.	973.
18 ROCKCASTLE CO	POINT	11.	0.	0.
	AREA	1,265.	754.	4,854.
	TOTAL	1,276.	754.	4,854.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 ROWAN CO	POINT	100.	66.	995.
	AREA	1,369.	849.	6,603.
	TOTAL	1,469.	915.	7,598.
18 RUSSELL CO	POINT	0.	0.	0.
	AREA	1,509.	906.	6,590.
	TOTAL	1,509.	906.	6,590.
18 SCOTT CO	POINT	275.	1.	0.
	AREA	2,145.	1,345.	9,277.
	TOTAL	2,420.	1,346.	9,277.
18 SHELBY CO	POINT	103.	18.	0.
	AREA	1,971.	1,530.	9,669.
	TOTAL	2,074.	1,548.	9,669.
18 SIMPSON CO	POINT	18,092.	6.	55.
	AREA	2,271.	1,262.	7,973.
	TOTAL	20,363.	1,268.	8,028.
18 SPENCER CO	POINT	0.	4.	0.
	AREA	474.	471.	2,700.
	TOTAL	474.	475.	2,700.
18 TAYLOR CO	POINT	45.	53.	2.
	AREA	2,486.	1,512.	10,498.
	TOTAL	2,531.	1,565.	10,500.
18 TODD CO	POINT	18.	54.	6.
	AREA	1,106.	808.	4,572.
	TOTAL	1,124.	862.	4,578.
18 TRIGG CO	POINT	195.	1.	0.
	AREA	913.	778.	3,781.
	TOTAL	1,108.	779.	3,781.
18 TRIMBLE CO	POINT	0.	0.	0.
	AREA	534.	469.	2,594.
	TOTAL	534.	469.	2,594.
18 UNION CO	POINT	144.	0.	0.
	AREA	1,622.	1,215.	7,402.
	TOTAL	1,766.	1,215.	7,402.
18 WARREN CO	POINT	1,582.	62.	174.
	AREA	6,112.	3,576.	32,252.
	TOTAL	7,694.	3,638.	32,426.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
18 WASHINGTON CO	POINT	73.	1.	0.
	AREA	916.	723.	5,150.
	TOTAL	989.	724.	5,150.
18 WAYNE CO	POINT	7.	20.	41.
	AREA	1,525.	799.	6,759.
	TOTAL	1,532.	819.	6,800.
18 WEBSTER CO	POINT	238.	10,866.	606.
	AREA	1,306.	966.	6,840.
	TOTAL	1,544.	11,832.	7,446.
18 WHITLEY CO	POINT	89.	1.	130.
	AREA	4,458.	2,034.	14,831.
	TOTAL	4,547.	2,035.	14,961.
18 WOLFE CO	POINT	55.	0.	0.
	AREA	476.	358.	2,041.
	TOTAL	531.	358.	2,041.
18 WOODFORD CO	POINT	2,205.	1,594.	53.
	AREA	1,743.	1,167.	7,180.
	TOTAL	3,948.	2,761.	7,233.
19 ACADIA PAR	POINT	1,202.	26,792.	2,121.
	AREA	4,075.	2,783.	22,577.
	TOTAL	5,277.	29,575.	24,698.
19 ALLEN PAR	POINT	572.	2,839.	829.
	AREA	3,066.	1,460.	16,819.
	TOTAL	3,638.	4,299.	17,648.
19 ASCENSION PAR	POINT	4,167.	27,935.	3,174.
	AREA	3,144.	2,661.	15,027.
	TOTAL	7,311.	30,596.	18,201.
19 ASSUMPTION PAR	POINT	270.	999.	406.
	AREA	3,914.	1,752.	18,404.
	TOTAL	4,184.	2,751.	18,810.
19 AVOYELLES PAR	POINT	150.	233.	33.
	AREA	3,225.	2,373.	16,595.
	TOTAL	3,375.	2,606.	16,628.
19 BEAUREGARD PAR	POINT	46.	442.	327.
	AREA	4,642.	2,188.	26,089.
	TOTAL	4,688.	2,630.	26,416.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
19 BIENVILLE PAR	POINT	643.	1,144.	197.
	AREA	1,472.	1,051.	7,069.
	TOTAL	2,115.	2,195.	7,266.
19 BOSSIER PAR	POINT	3,577.	579.	2,282.
	AREA	6,201.	3,575.	33,092.
	TOTAL	9,778.	4,154.	35,374.
19 CADDO PAR	POINT	1,912.	9,368.	224.
	AREA	22,687.	11,804.	110,300.
	TOTAL	24,599.	21,172.	110,524.
19 CALCASIEU PAR	POINT	40,616.	61,509.	20,751.
	AREA	12,064.	7,751.	64,304.
	TOTAL	52,680.	69,260.	85,055.
19 CALDWELL PAR	POINT	9.	127.	65.
	AREA	775.	636.	3,906.
	TOTAL	784.	763.	3,971.
19 CAMERON PAR	POINT	189.	1,576.	1,729.
	AREA	2,036.	1,286.	6,739.
	TOTAL	2,225.	2,862.	8,468.
19 CATAHOULA PAR	POINT	0.	0.	0.
	AREA	973.	803.	5,233.
	TOTAL	973.	803.	5,233.
19 CLAIBORNE PAR	POINT	87.	281.	524.
	AREA	1,730.	998.	8,089.
	TOTAL	1,817.	1,279.	8,613.
19 CONCORDIA PAR	POINT	0.	0.	0.
	AREA	2,174.	1,593.	10,942.
	TOTAL	2,174.	1,593.	10,942.
19 DE SOTO PAR	POINT	79.	392.	78.
	AREA	2,074.	1,346.	9,335.
	TOTAL	2,153.	1,738.	9,413.
19 EAST BATON ROUGE PAR	POINT	26,887.	37,940.	14,339.
	AREA	24,610.	15,895.	130,821.
	TOTAL	51,497.	53,835.	145,160.
19 EAST CARROLL PAR	POINT	10.	606.	29.
	AREA	1,078.	1,055.	5,901.
	TOTAL	1,088.	1,661.	5,930.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS * NOX	CO
19 EAST FELICIANA PAR	POINT	3,204.	0.	0.
	AREA	1,137.	942.	6,188.
	TOTAL	4,341.	942.	6,188.
19 EVANGELINE PAR	POINT	6.	12,525.	114.
	AREA	2,781.	1,847.	16,390.
	TOTAL	2,787.	14,372.	16,504.
19 FRANKLIN PAR	POINT	78.	407.	262.
	AREA	1,816.	1,546.	9,876.
	TOTAL	1,894.	1,953.	10,138.
19 GRANT PAR	POINT	55.	1,368.	48,109.
	AREA	1,099.	935.	5,198.
	TOTAL	1,154.	2,303.	53,307.
19 IBERIA PAR	POINT	16,013.	2,087.	153,849.
	AREA	8,218.	3,874.	39,915.
	TOTAL	24,231.	5,961.	193,764.
19 IBERVILLE PAR	POINT	8,044.	35,280.	3,217.
	AREA	3,879.	2,395.	18,884.
	TOTAL	11,923.	37,675.	22,101.
19 JACKSON PAR	POINT	643.	26,746.	3,322.
	AREA	2,167.	1,050.	8,733.
	TOTAL	2,810.	27,796.	12,055.
19 JEFFERSON PAR	POINT	19,432.	45,838.	70,004.
	AREA	16,193.	8,569.	30,840.
	TOTAL	35,625.	54,407.	100,844.
19 JEFFERSON DAVIS PAR	POINT	2,252.	949.	166.
	AREA	20,207.	13,378.	143,715.
	TOTAL	22,459.	14,327.	143,881.
19 LAFAYETTE PAR	POINT	258.	5,500.	349.
	AREA	10,427.	6,896.	58,886.
	TOTAL	10,685.	12,396.	59,235.
19 LAFOURCHE PAR	POINT	159.	2,324.	222.
	AREA	8,600.	4,317.	37,976.
	TOTAL	8,759.	6,641.	38,198.
19 LA SALLE PAR	POINT	149.	476.	285.
	AREA	1,539.	1,080.	6,693.
	TOTAL	1,688.	1,556.	6,978.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
19 LINCOLN PAR	POINT	1,486.	1,247.	89.
	AREA	3,252.	1,925.	16,541.
	TOTAL	4,738.	3,172.	16,630.
19 LIVINGSTON PAR	POINT	62.	0.	1,381.
	AREA	4,977.	2,863.	24,164.
	TOTAL	5,039.	2,863.	25,545.
19 MADISON PAR	POINT	11.	55.	11.
	AREA	1,223.	983.	6,439.
	TOTAL	1,234.	1,038.	6,450.
19 MOREHOUSE PAR	POINT	142.	2,789.	9,380.
	AREA	2,625.	2,069.	15,457.
	TOTAL	2,767.	4,858.	24,837.
19 NATCHITOCHES PAR	POINT	271.	1,872.	1,934.
	AREA	2,933.	1,920.	15,592.
	TOTAL	3,204.	3,792.	17,526.
19 ORLEANS PAR	POINT	6,825.	17,485.	3,959.
	AREA	46,962.	31,741.	251,075.
	TOTAL	53,787.	49,226.	255,034.
19 OUACHITA PAR	POINT	2,486.	12,910.	8,652.
	AREA	11,573.	6,105.	53,803.
	TOTAL	14,059.	19,015.	62,455.
19 PLAQUEMINES PAR	POINT	3,525.	5,980.	580.
	AREA	4,534.	3,930.	17,152.
	TOTAL	8,059.	9,910.	17,732.
19 POINTE COUPEE PAR	POINT	21.	3,475.	38.
	AREA	2,324.	1,586.	11,085.
	TOTAL	2,345.	5,061.	11,123.
19 RAPIDES PAR	POINT	504.	7,765.	10,368.
	AREA	11,412.	7,046.	56,680.
	TOTAL	11,916.	14,811.	67,048.
19 RED RIVER PAR	POINT	55.	276.	55.
	AREA	878.	875.	4,130.
	TOTAL	933.	1,151.	4,185.
19 RICHLAND PAR	POINT	652.	3,156.	193.
	AREA	1,792.	1,274.	9,170.
	TOTAL	2,444.	4,430.	9,363.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
19 ST BERNARD PAR	POINT	19,475.	42,728.	3,103.
	AREA	4,409.	4,072.	27,124.
	TOTAL	23,884.	46,800.	30,227.
19 ST CHARLES PAR	POINT	19,957.	93,352.	5,572.
	AREA	4,284.	2,505.	15,806.
	TOTAL	24,241.	95,857.	21,378.
19 ST HELENA PAR	POINT	420.	944.	227.
	AREA	1,982.	850.	7,798.
	TOTAL	2,402.	1,794.	8,025.
19 ST JAMES PAR	POINT	2,021.	15,929.	500.
	AREA	2,964.	1,623.	14,702.
	TOTAL	4,985.	17,552.	15,202.
19 ST JOHN THE BAPTIST P	POINT	771.	643.	112.
	AREA	2,402.	1,569.	11,426.
	TOTAL	3,173.	2,212.	11,538.
19 ST LANDRY PAR	POINT	6.	603.	25.
	AREA	5,829.	3,961.	32,113.
	TOTAL	5,835.	4,564.	32,138.
19 ST MARTIN PAR	POINT	2,323.	439.	232.
	AREA	4,471.	2,498.	18,611.
	TOTAL	6,794.	2,937.	18,843.
19 ST MARY PAR	POINT	13,108.	15,370.	121,705.
	AREA	8,914.	3,614.	40,061.
	TOTAL	22,022.	18,984.	161,766.
19 ST TAMMANY PAR	POINT	30.	59.	2,687.
	AREA	8,093.	4,407.	41,845.
	TOTAL	8,123.	4,466.	44,532.
19 SABINE PAR	POINT	156.	745.	586.
	AREA	3,932.	1,959.	12,512.
	TOTAL	4,088.	2,704.	13,098.
19 TANGIPAHOA PAR	POINT	50.	43.	259.
	AREA	7,342.	4,464.	36,883.
	TOTAL	7,392.	4,507.	37,142.
19 TENSAS PAR	POINT	24.	204.	76.
	AREA	758.	856.	3,560.
	TOTAL	782.	1,060.	3,636.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
19 TERREBONNE PAR	POINT	201.	4,785.	944.
	AREA	10,556.	4,975.	45,886.
	TOTAL	10,757.	9,760.	46,830.
19 UNION PAR	POINT	7,238.	7,981.	1,625.
	AREA	1,992.	1,373.	9,596.
	TOTAL	9,230.	9,354.	11,221.
19 VERMILION PAR	POINT	1,155.	6,987.	1,379.
	AREA	4,202.	3,179.	20,881.
	TOTAL	5,357.	10,166.	22,260.
19 VERNON PAR	POINT	1.	184.	65.
	AREA	3,328.	1,965.	19,794.
	TOTAL	3,329.	2,149.	19,859.
19 WASHINGTON PAR	POINT	264.	5,363.	8,934.
	AREA	4,675.	2,516.	24,207.
	TOTAL	4,939.	7,879.	33,141.
19 WEBSTER PAR	POINT	4,340.	9,113.	21,689.
	AREA	4,043.	2,319.	20,944.
	TOTAL	8,383.	11,432.	42,633.
19 WEST BATON ROUGE PAR	POINT	87,792.	587.	258,238.
	AREA	2,441.	1,767.	11,832.
	TOTAL	90,233.	2,354.	270,070.
19 WEST CARROLL PAR	POINT	0.	0.	0.
	AREA	1,129.	1,098.	5,907.
	TOTAL	1,129.	1,098.	5,907.
19 WEST FELICIANA PAR	POINT	15.	1,910.	3,484.
	AREA	1,200.	720.	2,673.
	TOTAL	1,215.	2,630.	6,157.
19 WINN PAR	POINT	31,373.	1,644.	1,953.
	AREA	1,579.	929.	8,258.
	TOTAL	32,952.	2,573.	10,211.
20 ANDROSCOGGIN CO	POINT	5,451.	519.	2,211.
	AREA	8,542.	4,261.	41,316.
	TOTAL	13,993.	4,780.	43,527.
20 AROOSTOOK CO	POINT	1,534.	2,164.	10,139.
	AREA	8,680.	5,079.	43,551.
	TOTAL	10,214.	7,243.	53,690.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
20 CUMBERLAND CO	POINT	21,793.	5,501.	6,506.
	AREA	21,029.	11,399.	106,218.
	TOTAL	42,822.	16,900.	112,724.
20 FRANKLIN CO	POINT	878.	4,841.	11,595.
	AREA	1,964.	1,392.	8,822.
	TOTAL	2,842.	6,233.	20,417.
20 HANCOCK CO	POINT	2,484.	630.	865.
	AREA	3,951.	2,392.	17,172.
	TOTAL	6,435.	3,022.	18,037.
20 KENNEBEC CO	POINT	1,985.	5,243.	3,034.
	AREA	9,906.	5,113.	48,813.
	TOTAL	11,891.	10,356.	51,847.
20 KNOX CO	POINT	196.	301.	510.
	AREA	2,395.	1,433.	11,674.
	TOTAL	2,591.	1,734.	12,184.
20 LINCOLN CO	POINT	1,095.	213.	627.
	AREA	1,862.	1,432.	8,509.
	TOTAL	2,957.	1,645.	9,136.
20 OXFORD CO	POINT	675.	1,580.	5,468.
	AREA	3,510.	2,307.	16,432.
	TOTAL	4,185.	3,887.	21,900.
20 PENOBSCOT CO	POINT	8,070.	6,738.	9,861.
	AREA	12,456.	7,115.	66,443.
	TOTAL	20,526.	13,853.	76,304.
20 PISCATAQUIS CO	POINT	186.	130.	408.
	AREA	2,115.	926.	8,325.
	TOTAL	2,301.	1,056.	8,733.
20 SAGADAHOC CO	POINT	212.	217.	424.
	AREA	2,980.	1,282.	11,403.
	TOTAL	3,192.	1,499.	11,827.
20 SOMERSET CO	POINT	604.	564.	8,229.
	AREA	4,439.	2,570.	23,536.
	TOTAL	5,043.	3,134.	31,765.
20 WALDO CO	POINT	1,441.	107.	647.
	AREA	2,299.	1,600.	11,675.
	TOTAL	3,740.	1,707.	12,322.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
20 WASHINGTON CO	POINT	725.	2,997.	7,937.
	AREA	3,582.	1,884.	17,301.
	TOTAL	4,307.	4,881.	25,238.
20 YORK CO	POINT	1,560.	736.	2,679.
	AREA	13,734.	6,262.	58,257.
	TOTAL	15,294.	6,998.	60,936.
21 ALLEGANY CO	POINT	74.	7,579.	276.
	AREA	7,091.	4,142.	37,777.
	TOTAL	7,165.	11,721.	38,053.
21 ANNE ARUNDEL CO	POINT	5,910.	12,998.	663.
	AREA	32,893.	16,947.	149,935.
	TOTAL	38,803.	29,945.	150,598.
21 BALTIMORE	POINT	6,243.	8,769.	5,307.
	AREA	102,483.	48,287.	573,444.
	TOTAL	108,726.	57,056.	578,751.
21 BALTIMORE CO	POINT	10,959.	26,117.	100,578.
	AREA	34,248.	13,531.	80,504.
	TOTAL	45,207.	39,648.	181,082.
21 CALVERT CO	POINT	0.	0.	0.
	AREA	2,204.	1,496.	8,889.
	TOTAL	2,204.	1,496.	8,889.
21 CAROLINE CO	POINT	0.	0.	0.
	AREA	2,262.	1,801.	10,830.
	TOTAL	2,262.	1,801.	10,830.
21 CARROLL CO	POINT	0.	6,239.	0.
	AREA	10,645.	6,267.	38,524.
	TOTAL	10,645.	12,506.	38,524.
21 CECIL CO	POINT	574.	68.	5.
	AREA	5,526.	3,367.	21,459.
	TOTAL	6,100.	3,435.	21,464.
21 CHARLES CO	POINT	340.	22,674.	1,258.
	AREA	5,438.	3,588.	23,344.
	TOTAL	5,778.	26,262.	24,602.
21 DORCHESTER CO	POINT	28.	2,578.	132.
	AREA	5,451.	2,053.	20,030.
	TOTAL	5,479.	4,631.	20,162.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
21 FREDERICK CO	POINT	6.	1,646.	295.
	AREA	8,609.	5,922.	43,905.
	TOTAL	8,615.	7,568.	44,200.
21 GARRETT CO	POINT	0.	0.	0.
	AREA	1,869.	1,554.	8,775.
	TOTAL	1,869.	1,554.	8,775.
21 HARFORD CO	POINT	190.	613.	71.
	AREA	11,442.	6,449.	56,951.
	TOTAL	11,632.	7,062.	57,022.
21 HOWARD CO	POINT	2.	298.	8.
	AREA	7,539.	4,592.	29,442.
	TOTAL	7,541.	4,890.	29,450.
21 KENT CO	POINT	0.	0.	0.
	AREA	2,507.	1,396.	11,935.
	TOTAL	2,507.	1,396.	11,935.
21 MONTGOMERY CO	POINT	309.	13,572.	830.
	AREA	34,761.	20,758.	203,846.
	TOTAL	35,070.	34,330.	204,676.
21 PRINCE GEORGES CO	POINT	176.	12,157.	692.
	AREA	36,664.	22,179.	223,429.
	TOTAL	36,840.	34,336.	224,121.
21 QUEEN ANNES CO	POINT	0.	0.	0.
	AREA	2,050.	1,323.	8,779.
	TOTAL	2,050.	1,323.	8,779.
21 ST MARYS CO	POINT	2.	175.	14.
	AREA	3,915.	2,769.	18,839.
	TOTAL	3,917.	2,944.	18,853.
21 SOMERSET CO	POINT	26.	130.	26.
	AREA	2,328.	1,265.	9,766.
	TOTAL	2,354.	1,395.	9,792.
21 TALBOT CO	POINT	74.	729.	154.
	AREA	3,607.	1,834.	15,684.
	TOTAL	3,681.	2,563.	15,838.
21 WASHINGTON CO	POINT	187.	3,897.	286.
	AREA	13,359.	6,749.	58,647.
	TOTAL	13,546.	10,646.	58,933.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
21 WICOMICO CO	POINT	929.	0.	0.
	AREA	5,798.	3,843.	25,788.
	TOTAL	6,727.	3,843.	25,788.
21 WORCESTER CO	POINT	0.	0.	0.
	AREA	4,793.	2,176.	18,710.
	TOTAL	4,793.	2,176.	18,710.
22 BERKSHIRE APCD	POINT	1,113.	1,907.	2,692.
	AREA	15,660.	6,893.	68,705.
	TOTAL	16,773.	8,800.	71,397.
22 CENTRAL MASSACHUSETTS	POINT	5,577.	4,599.	16,665.
	AREA	74,196.	27,800.	303,147.
	TOTAL	79,773.	32,399.	319,812.
22 MERRIMACK VALLEY APCD	POINT	5,602.	2,441.	3,752.
	AREA	51,437.	20,369.	225,407.
	TOTAL	57,039.	22,810.	229,159.
22 METROPOLITAN BOSTON A	POINT	42,727.	55,399.	12,680.
	AREA	235,470.	99,629.	1,220,005.
	TOTAL	278,197.	155,028.	1,232,685.
22 PIONEER VALLEY APCD	POINT	15,459.	4,233.	8,810.
	AREA	65,668.	24,607.	264,528.
	TOTAL	81,127.	28,840.	273,338.
22 SOUTHEASTERN MASS. AP	POINT	14,346.	40,605.	11,685.
	AREA	85,951.	35,166.	361,467.
	TOTAL	100,297.	75,771.	373,152.
23 ALCONA CO	POINT	0.	0.	0.
	AREA	1,160.	596.	4,924.
	TOTAL	1,160.	596.	4,924.
23 ALGER CO	POINT	43.	415.	64.
	AREA	1,394.	472.	6,150.
	TOTAL	1,437.	887.	6,214.
23 ALLEGAN CO	POINT	159.	1,152.	96.
	AREA	8,287.	4,587.	33,184.
	TOTAL	8,446.	5,739.	33,280.
23 ALPENA CO	POINT	744.	5,002.	101.
	AREA	3,600.	2,154.	20,414.
	TOTAL	4,344.	7,156.	20,515.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
23 ANTRIM CO	POINT	0.	0.	2.
	AREA	2,450.	987.	8,731.
	TOTAL	2,450.	987.	8,733.
23 ARENAC CO	POINT	0.	0.	0.
	AREA	1,563.	958.	5,744.
	TOTAL	1,563.	958.	5,744.
23 BARAGA CO	POINT	0.	0.	0.
	AREA	1,518.	552.	7,790.
	TOTAL	1,518.	552.	7,790.
23 BARRY CO	POINT	646.	3.	64.
	AREA	4,225.	2,396.	16,079.
	TOTAL	4,871.	2,399.	16,143.
23 BAY CO	POINT	3,035.	44,413.	22,498.
	AREA	11,769.	5,784.	59,979.
	TOTAL	14,804.	50,197.	82,477.
23 BENZIE CO	POINT	0.	0.	0.
	AREA	1,324.	690.	5,729.
	TOTAL	1,324.	690.	5,729.
23 BERRIEN CO	POINT	2,063.	264.	891.
	AREA	23,127.	10,687.	96,236.
	TOTAL	25,190.	10,951.	97,127.
23 BRANCH CO	POINT	50.	344.	3,804.
	AREA	4,816.	2,712.	21,279.
	TOTAL	4,866.	3,056.	25,083.
23 CALHOUN CO	POINT	3,261.	1,356.	356.
	AREA	15,694.	7,167.	66,599.
	TOTAL	18,955.	8,523.	66,955.
23 CASS CO	POINT	787.	0.	0.
	AREA	5,099.	2,829.	20,964.
	TOTAL	5,886.	2,829.	20,964.
23 CHARLEVOIX CO	POINT	118.	2,019.	290.
	AREA	3,070.	1,161.	11,885.
	TOTAL	3,188.	3,180.	12,175.
23 CHEBOYGAN CO	POINT	153.	425.	5.
	AREA	3,291.	1,084.	12,963.
	TOTAL	3,444.	1,509.	12,968.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
23 CHIPPEWA CO	POINT	0.	0.	0.
	AREA	3,579.	1,522.	18,575.
	TOTAL	3,579.	1,522.	18,575.
23 CLARE CO	POINT	0.	0.	0.
	AREA	2,671.	1,438.	12,041.
	TOTAL	2,671.	1,438.	12,041.
23 CLINTON CO	POINT	319.	0.	0.
	AREA	3,794.	2,851.	19,154.
	TOTAL	4,113.	2,851.	19,154.
23 CRAWFORD CO	POINT	0.	0.	0.
	AREA	1,210.	547.	6,207.
	TOTAL	1,210.	547.	6,207.
23 DELTA CO	POINT	248.	3,175.	4,764.
	AREA	5,051.	2,024.	22,654.
	TOTAL	5,299.	5,199.	27,418.
23 DICKINSON CO	POINT	422.	0.	229.
	AREA	3,227.	1,366.	17,245.
	TOTAL	3,649.	1,366.	17,474.
23 EATON CO	POINT	101.	4,229.	1,539.
	AREA	6,109.	3,860.	30,839.
	TOTAL	6,210.	8,089.	32,378.
23 EMMET CO	POINT	4.	483.	49.
	AREA	2,447.	1,324.	11,600.
	TOTAL	2,451.	1,807.	11,649.
23 GENESEE CO	POINT	22,687.	3,948.	21,390.
	AREA	50,125.	17,667.	182,418.
	TOTAL	72,812.	21,615.	203,808.
23 GLADWIN CO	POINT	0.	0.	0.
	AREA	1,980.	1,136.	8,970.
	TOTAL	1,980.	1,136.	8,970.
23 GOGEBIC CO	POINT	113.	37.	175.
	AREA	2,328.	969.	12,516.
	TOTAL	2,441.	1,006.	12,691.
23 GRAND TRAVERSE CO	POINT	121.	442.	57.
	AREA	6,900.	3,242.	29,837.
	TOTAL	7,021.	3,684.	29,894.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
23 GRATIOT CO	POINT	3,610.	613.	56,943.
	AREA	4,070.	2,736.	24,201.
	TOTAL	7,680.	3,349.	81,144.
23 HILLSDALE CO	POINT	1,274.	320.	0.
	AREA	4,995.	2,774.	20,389.
	TOTAL	6,269.	3,094.	20,389.
23 HOUGHTON CO	POINT	28.	685.	227.
	AREA	3,072.	1,628.	15,678.
	TOTAL	3,100.	2,313.	15,905.
23 HURON CO	POINT	318.	2,774.	187.
	AREA	3,719.	2,945.	18,196.
	TOTAL	4,037.	5,719.	18,383.
23 INGHAM CO	POINT	13,055.	6,577.	1,998.
	AREA	27,962.	10,895.	121,662.
	TOTAL	41,017.	17,472.	123,660.
23 IONIA CO	POINT	1,045.	40.	56.
	AREA	5,480.	2,884.	21,979.
	TOTAL	6,525.	2,924.	22,035.
23 IOSCO CO	POINT	74.	41.	3.
	AREA	2,747.	1,430.	13,347.
	TOTAL	2,821.	1,471.	13,350.
23 IRON CO	POINT	0.	0.	0.
	AREA	2,205.	907.	9,409.
	TOTAL	2,205.	907.	9,409.
23 ISABELLA CO	POINT	24.	480.	32.
	AREA	3,652.	2,304.	19,787.
	TOTAL	3,676.	2,784.	19,819.
23 JACKSON CO	POINT	2,831.	254.	195.
	AREA	14,799.	7,292.	68,425.
	TOTAL	17,630.	7,546.	68,620.
23 KALAMAZOO CO	POINT	2,933.	7,080.	359.
	AREA	21,838.	8,218.	86,783.
	TOTAL	24,771.	15,298.	87,142.
23 KALKASKA CO	POINT	0.	187.	0.
	AREA	820.	544.	4,006.
	TOTAL	820.	731.	4,006.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
23 KENT CO	POINT	14,092.	1,015.	517.
	AREA	50,777.	18,987.	223,206.
	TOTAL	64,869.	20,002.	223,723.
23 KEWEENAW CO	POINT	0.	0.	0.
	AREA	1,212.	154.	4,140.
	TOTAL	1,212.	154.	4,140.
23 LAKE CO	POINT	0.	0.	0.
	AREA	587.	393.	2,992.
	TOTAL	587.	393.	2,992.
23 LAPEER CO	POINT	216.	0.	1,273.
	AREA	4,813.	3,568.	21,502.
	TOTAL	5,029.	3,568.	22,775.
23 LEELANAU CO	POINT	0.	0.	0.
	AREA	1,414.	774.	6,241.
	TOTAL	1,414.	774.	6,241.
23 LENAWEE CO	POINT	1,858.	63.	81.
	AREA	9,528.	5,346.	46,315.
	TOTAL	11,386.	5,409.	46,396.
23 LIVINGSTON CO	POINT	641.	258.	36.
	AREA	5,969.	4,060.	24,010.
	TOTAL	6,610.	4,318.	24,046.
23 LUCE CO	POINT	0.	32.	1.
	AREA	988.	440.	4,847.
	TOTAL	988.	472.	4,848.
23 MACKINAC CO	POINT	30.	0.	91.
	AREA	2,037.	566.	7,746.
	TOTAL	2,067.	566.	7,837.
23 MACOMB CO	POINT	11,435.	6,868.	9,613.
	AREA	71,948.	24,467.	304,069.
	TOTAL	83,383.	31,335.	313,682.
23 MANISTEE CO	POINT	549.	1,711.	440.
	AREA	2,383.	1,247.	10,926.
	TOTAL	2,932.	2,958.	11,366.
23 MARQUETTE CO	POINT	296.	10,060.	730.
	AREA	5,579.	2,781.	30,355.
	TOTAL	5,875.	12,841.	31,085.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
23 MASON CO	POINT	46.	964.	144.
	AREA	2,748.	1,556.	13,485.
	TOTAL	2,794.	2,520.	13,629.
23 MECOSTA CO	POINT	0.	0.	0.
	AREA	3,052.	1,574.	15,468.
	TOTAL	3,052.	1,574.	15,468.
23 MENOMINEE CO	POINT	260.	431.	247.
	AREA	3,052.	1,518.	15,520.
	TOTAL	3,312.	1,949.	15,767.
23 MIDLAND CO	POINT	2,893.	16,127.	881.
	AREA	8,337.	3,427.	34,386.
	TOTAL	11,230.	19,554.	35,267.
23 MISSAUKEE CO	POINT	20.	0.	60.
	AREA	868.	611.	4,661.
	TOTAL	888.	611.	4,721.
23 MONROE CO	POINT	2,125.	63,499.	3,673.
	AREA	11,639.	6,613.	53,628.
	TOTAL	13,764.	70,112.	57,301.
23 MONTCALM CO	POINT	492.	8.	43.
	AREA	4,906.	3,075.	20,264.
	TOTAL	5,398.	3,083.	20,307.
23 MONTMORENCY CO	POINT	0.	0.	0.
	AREA	1,139.	551.	4,396.
	TOTAL	1,139.	551.	4,396.
23 MUSKEGON CO	POINT	2,276.	14,270.	16,367.
	AREA	17,468.	7,565.	82,629.
	TOTAL	19,744.	21,835.	98,996.
23 NEWAYGO CO	POINT	1.	97.	3.
	AREA	3,219.	1,959.	15,560.
	TOTAL	3,220.	2,056.	15,563.
23 OAKLAND CO	POINT	17,739.	2,413.	1,097.
	AREA	93,383.	32,959.	405,415.
	TOTAL	111,122.	35,372.	406,512.
23 OCEANA CO	POINT	0.	0.	35.
	AREA	1,790.	1,472.	9,401.
	TOTAL	1,790.	1,472.	9,436.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
23 OGEMAW CO	POINT	559.	0.	0.
	AREA	1,874.	1,035.	8,592.
	TOTAL	2,433.	1,035.	8,592.
23 ONTONAGON CO	POINT	88.	1,015.	75.
	AREA	1,093.	670.	4,951.
	TOTAL	1,181.	1,685.	5,026.
23 OSCEOLA CO	POINT	366.	0.	0.
	AREA	1,779.	1,270.	7,695.
	TOTAL	2,145.	1,270.	7,695.
23 OSCODA CO	POINT	0.	0.	0.
	AREA	549.	338.	2,471.
	TOTAL	549.	338.	2,471.
23 OTSEGO CO	POINT	219.	864.	10.
	AREA	1,786.	889.	8,677.
	TOTAL	2,005.	1,753.	8,687.
23 OTTAWA CO	POINT	8,151.	13,077.	791.
	AREA	18,479.	8,521.	78,906.
	TOTAL	26,630.	21,598.	79,697.
23 PRESQUE ISLE CO	POINT	3.	45.	6.
	AREA	1,911.	883.	9,638.
	TOTAL	1,914.	928.	9,644.
23 ROSCOMMON CO	POINT	0.	0.	0.
	AREA	2,185.	960.	8,397.
	TOTAL	2,185.	960.	8,397.
23 ST CLAIR CO	POINT	18,857.	42,494.	2,265.
	AREA	14,509.	8,191.	64,987.
	TOTAL	33,366.	50,685.	67,252.
23 ST JOSEPH CO	POINT	1,380.	257.	622.
	AREA	8,554.	4,151.	29,384.
	TOTAL	9,934.	4,408.	30,006.
23 SAGINAW CO	POINT	2,778.	1,006.	66,363.
	AREA	22,111.	10,814.	111,873.
	TOTAL	24,889.	11,820.	178,236.
23 SANILAC CO	POINT	324.	124.	754.
	AREA	4,375.	3,080.	19,479.
	TOTAL	4,699.	3,204.	19,233.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
23 SCHOOLCRAFT CO	POINT	22.	236.	34.
	AREA	1,663.	461.	7,481.
	TOTAL	1,685.	697.	7,515.
23 SHIAWASSEE CO	POINT	79.	19.	231.
	AREA	7,152.	4,074.	31,217.
	TOTAL	7,231.	4,093.	31,448.
23 TUSCOLA CO	POINT	51.	327.	3,776.
	AREA	5,356.	3,825.	26,146.
	TOTAL	5,407.	4,152.	29,922.
23 VAN BUREN CO	POINT	150.	0.	4,111.
	AREA	6,280.	4,113.	30,564.
	TOTAL	6,430.	4,113.	34,675.
23 WASHTENAW CO	POINT	10,868.	1,506.	140.
	AREA	26,734.	9,484.	96,167.
	TOTAL	37,602.	10,990.	96,307.
23 WAYNE CO	POINT	65,587.	70,208.	88,808.
	AREA	248,818.	89,345.	1,169,865.
	TOTAL	314,405.	159,553.	1,258,673.
23 WEXFORD CO	POINT	92.	0.	141.
	AREA	2,957.	1,188.	12,179.
	TOTAL	3,049.	1,188.	12,320.
24 AITKIN CO	POINT	0.	0.	0.
	AREA	3,229.	1,244.	16,507.
	TOTAL	3,229.	1,244.	16,507.
24 ANOKA CO	POINT	387.	165.	17.
	AREA	22,863.	10,398.	130,192.
	TOTAL	23,250.	10,563.	130,209.
24 BECKER CO	POINT	2.	43.	6.
	AREA	3,069.	1,784.	16,780.
	TOTAL	3,071.	1,827.	16,786.
24 BELTRAMI CO	POINT	36.	194.	37.
	AREA	6,127.	2,182.	32,334.
	TOTAL	6,163.	2,376.	32,371.
24 BENTON CO	POINT	30.	297.	39.
	AREA	3,100.	1,538.	16,159.
	TOTAL	3,130.	1,835.	16,198.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
24 BIG STONE CO	POINT	55.	332.	110.
	AREA	869.	554.	5,447.
	TOTAL	924.	886.	5,557.
24 BLUE EARTH CO	POINT	1,037.	774.	1,233.
	AREA	5,392.	2,967.	27,218.
	TOTAL	6,429.	3,741.	28,451.
24 BROWN CO	POINT	35.	525.	72.
	AREA	3,143.	1,691.	16,587.
	TOTAL	3,178.	2,216.	16,659.
24 CARLTON CO	POINT	68,091.	1,590.	23,682.
	AREA	3,529.	1,958.	17,526.
	TOTAL	71,620.	3,548.	41,208.
24 CARVER CO	POINT	0.	46.	4.
	AREA	3,034.	1,946.	15,498.
	TOTAL	3,034.	1,992.	15,502.
24 CASS CO	POINT	22.	23.	244.
	AREA	4,550.	1,629.	21,380.
	TOTAL	4,572.	1,652.	21,624.
24 CHIPPEWA CO	POINT	28.	224.	57.
	AREA	1,613.	1,050.	10,494.
	TOTAL	1,641.	1,274.	10,551.
24 CHISAGO CO	POINT	0.	0.	0.
	AREA	2,882.	1,742.	12,280.
	TOTAL	2,882.	1,742.	12,280.
24 CLAY CO	POINT	1,211.	694.	165.
	AREA	4,486.	2,609.	28,785.
	TOTAL	5,697.	3,303.	28,950.
24 CLEARWATER CO	POINT	513.	578.	125.
	AREA	1,639.	794.	9,612.
	TOTAL	2,152.	1,372.	9,737.
24 COOK CO	POINT	36.	2,218.	123.
	AREA	2,294.	691.	10,691.
	TOTAL	2,330.	2,909.	10,814.
24 COTTONWOOD CO	POINT	92.	0.	0.
	AREA	1,520.	959.	7,931.
	TOTAL	1,612.	959.	7,931.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
24 CROW WING CO	POINT	20.	534.	48.
	AREA	5,055.	2,615.	23,231.
	TOTAL	5,075.	3,149.	23,279.
24 DAKOTA CO	POINT	13,815.	10,038.	560.
	AREA	14,651.	7,504.	81,099.
	TOTAL	28,466.	17,542.	81,659.
24 DODGE CO	POINT	0.	0.	0.
	AREA	961.	826.	5,793.
	TOTAL	961.	826.	5,793.
24 DOUGLAS CO	POINT	1,403.	32.	2.
	AREA	3,003.	1,850.	16,913.
	TOTAL	4,406.	1,882.	16,915.
24 FARIBAULT CO	POINT	2.	37.	5.
	AREA	2,093.	1,532.	12,401.
	TOTAL	2,095.	1,569.	12,406.
24 FILLMORE CO	POINT	662.	0.	0.
	AREA	1,868.	1,396.	10,446.
	TOTAL	2,530.	1,396.	10,446.
24 FREEBORN CO	POINT	335.	162.	9.
	AREA	4,056.	2,470.	24,013.
	TOTAL	4,391.	2,632.	24,022.
24 GOODHUE CO	POINT	77.	200.	36.
	AREA	4,180.	2,412.	19,850.
	TOTAL	4,257.	2,612.	19,886.
24 GRANT CO	POINT	0.	0.	0.
	AREA	886.	627.	4,953.
	TOTAL	886.	627.	4,953.
24 HENNEPIN CO	POINT	2,088.	9,504.	1,343.
	AREA	101,125.	42,610.	444,237.
	TOTAL	103,213.	52,114.	445,580.
24 HOUSTON CO	POINT	0.	0.	0.
	AREA	1,448.	988.	9,032.
	TOTAL	1,448.	988.	9,032.
24 HUBBARD CO	POINT	0.	0.	0.
	AREA	2,025.	895.	10,937.
	TOTAL	2,025.	895.	10,937.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
24 ISANTI CO	POINT	0.	17.	1.
	AREA	1,906.	1,094.	9,337.
	TOTAL	1,906.	1,111.	9,338.
24 ITASCA CO	POINT	482.	15,213.	2,728.
	AREA	5,718.	2,569.	28,791.
	TOTAL	6,200.	17,782.	31,519.
24 JACKSON CO	POINT	0.	0.	0.
	AREA	1,946.	1,297.	11,768.
	TOTAL	1,946.	1,297.	11,768.
24 KANABEC CO	POINT	0.	0.	0.
	AREA	1,685.	731.	7,623.
	TOTAL	1,685.	731.	7,623.
24 KANDIYOHI CO	POINT	30.	233.	61.
	AREA	3,661.	2,162.	20,440.
	TOTAL	3,691.	2,395.	20,501.
24 KITTSON CO	POINT	0.	0.	0.
	AREA	732.	571.	4,805.
	TOTAL	732.	571.	4,805.
24 KOOCHICHING CO	POINT	238.	1,740.	3,911.
	AREA	4,435.	1,488.	20,413.
	TOTAL	4,673.	3,228.	24,324.
24 LAC QUI PARLE CO	POINT	1.	78.	6.
	AREA	1,023.	832.	6,513.
	TOTAL	1,024.	910.	6,519.
24 LAKE CO	POINT	69.	2,237.	673.
	AREA	3,490.	1,013.	17,791.
	TOTAL	3,559.	3,250.	18,464.
24 LAKE OF THE WOODS CO	POINT	0.	0.	0.
	AREA	2,763.	463.	12,001.
	TOTAL	2,763.	463.	12,001.
24 LE SUEUR CO	POINT	2.	24.	5.
	AREA	2,240.	1,372.	11,190.
	TOTAL	2,242.	1,396.	11,195.
24 LINCOLN CO	POINT	0.	0.	0.
	AREA	765.	557.	4,715.
	TOTAL	765.	557.	4,715.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
24 LYON CO	POINT	220.	0.	0.
	AREA	2,465.	1,517.	14,130.
	TOTAL	2,685.	1,517.	14,130.
24 MC LEOD CO	POINT	10,764.	721.	131.
	AREA	4,400.	2,101.	15,725.
	TOTAL	15,164.	2,822.	15,856.
24 MAHNOMEN CO	POINT	0.	0.	0.
	AREA	669.	439.	3,783.
	TOTAL	669.	439.	3,783.
24 MARSHALL CO	POINT	14.	171.	37.
	AREA	2,003.	1,225.	13,081.
	TOTAL	2,017.	1,396.	13,118.
24 MARTIN CO	POINT	597.	1,469.	104.
	AREA	2,803.	1,708.	15,665.
	TOTAL	3,400.	3,177.	15,769.
24 MEEKER CO	POINT	1.	68.	5.
	AREA	1,839.	1,297.	10,941.
	TOTAL	1,840.	1,365.	10,946.
24 MILLE LACS CO	POINT	0.	2.	0.
	AREA	2,597.	1,227.	12,030.
	TOTAL	2,597.	1,229.	12,030.
24 MORRISON CO	POINT	0.	43.	3.
	AREA	3,685.	1,832.	19,389.
	TOTAL	3,685.	1,875.	19,392.
24 MOWER CO	POINT	15.	1,207.	70.
	AREA	3,445.	2,261.	21,198.
	TOTAL	3,460.	3,468.	21,268.
24 MURRAY CO	POINT	0.	0.	0.
	AREA	1,007.	792.	6,259.
	TOTAL	1,007.	792.	6,259.
24 NICOLLET CO	POINT	0.	29.	2.
	AREA	2,959.	1,395.	15,994.
	TOTAL	2,959.	1,424.	15,996.
24 NOBLES CO	POINT	3.	275.	15.
	AREA	2,638.	1,754.	16,023.
	TOTAL	2,641.	2,029.	16,038.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
24 NORMAN CO	POINT	0.	0.	0.
	AREA	938.	758.	6,414.
	TOTAL	938.	758.	6,414.
24 OLMSTED CO	POINT	329.	2,506.	135.
	AREA	9,412.	4,499.	46,123.
	TOTAL	9,741.	7,005.	46,258.
24 OTTER TAIL CO	POINT	120.	4,637.	380.
	AREA	6,018.	3,320.	32,356.
	TOTAL	6,138.	7,957.	32,736.
24 PENNINGTON CO	POINT	0.	0.	0.
	AREA	2,181.	887.	11,475.
	TOTAL	2,181.	887.	11,475.
24 PINE CO	POINT	0.	10.	0.
	AREA	3,049.	1,779.	16,428.
	TOTAL	3,049.	1,789.	16,428.
24 PIPESTONE CO	POINT	0.	0.	0.
	AREA	1,205.	776.	7,341.
	TOTAL	1,205.	776.	7,341.
24 POLK CO	POINT	122.	743.	245.
	AREA	3,851.	2,485.	25,729.
	TOTAL	3,973.	3,228.	25,974.
24 POPE CO	POINT	0.	0.	0.
	AREA	1,273.	732.	7,408.
	TOTAL	1,273.	732.	7,408.
24 RAMSEY CO	POINT	20,017.	11,004.	910.
	AREA	60,587.	25,124.	299,458.
	TOTAL	80,604.	36,128.	300,368.
24 RED LAKE CO	POINT	0.	0.	0.
	AREA	915.	454.	5,061.
	TOTAL	915.	454.	5,061.
24 REDWOOD CO	POINT	0.	0.	0.
	AREA	1,803.	1,353.	11,140.
	TOTAL	1,803.	1,353.	11,140.
24 RENVILLE CO	POINT	21.	951.	74.
	AREA	2,046.	1,621.	13,210.
	TOTAL	2,067.	2,572.	13,284.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
24 RICE CO	POINT	1,658.	199.	130.
	AREA	4,292.	2,159.	22,580.
	TOTAL	5,950.	2,358.	22,710.
24 ROCK CO	POINT	0.	0.	0.
	AREA	1,436.	883.	8,931.
	TOTAL	1,436.	883.	8,931.
24 ROSEAU CO	POINT	130.	8.	1.
	AREA	2,386.	1,000.	13,955.
	TOTAL	2,516.	1,008.	13,956.
24 ST LOUIS CO	POINT	1,242.	6,626.	1,604.
	AREA	23,342.	10,836.	124,788.
	TOTAL	24,584.	17,462.	126,392.
24 SCOTT CO	POINT	93.	216.	33.
	AREA	4,244.	2,873.	20,486.
	TOTAL	4,337.	3,089.	20,519.
24 SHERBURNE CO	POINT	687.	29,795.	2,291.
	AREA	2,520.	1,607.	13,899.
	TOTAL	3,207.	31,402.	16,190.
24 SIBLEY CO	POINT	0.	0.	0.
	AREA	1,430.	1,124.	8,524.
	TOTAL	1,430.	1,124.	8,524.
24 STEARNS CO	POINT	276.	648.	964.
	AREA	9,545.	5,609.	50,314.
	TOTAL	9,821.	6,257.	51,278.
24 STEELE CO	POINT	313.	582.	27.
	AREA	3,014.	1,703.	16,106.
	TOTAL	3,327.	2,285.	16,133.
24 STEVENS CO	POINT	0.	5.	0.
	AREA	1,073.	660.	6,733.
	TOTAL	1,073.	665.	6,733.
24 SWIFT CO	POINT	0.	6.	0.
	AREA	1,321.	875.	7,428.
	TOTAL	1,321.	881.	7,428.
24 TODD CO	POINT	0.	28.	2.
	AREA	2,261.	1,433.	12,676.
	TOTAL	2,261.	1,461.	12,678.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
24 TRAVERSE CO	POINT	0.	0.	0.
	AREA	552.	431.	3,652.
	TOTAL	552.	431.	3,652.
24 WABASHA CO	POINT	0.	8.	0.
	AREA	1,657.	1,107.	8,422.
	TOTAL	1,657.	1,115.	8,422.
24 WADENA CO	POINT	2.	40.	5.
	AREA	1,431.	779.	7,222.
	TOTAL	1,433.	819.	7,227.
24 WASECA CO	POINT	0.	8.	0.
	AREA	2,846.	1,040.	9,083.
	TOTAL	2,846.	1,048.	9,083.
24 WASHINGTON CO	POINT	10,027.	1,440.	627.
	AREA	8,907.	5,105.	51,062.
	TOTAL	18,934.	6,545.	51,689.
24 WATONWAN CO	POINT	0.	0.	0.
	AREA	1,450.	997.	8,585.
	TOTAL	1,450.	997.	8,585.
24 WILKIN CO	POINT	0.	0.	0.
	AREA	1,143.	775.	8,111.
	TOTAL	1,143.	775.	8,111.
24 WINONA CO	POINT	550.	36.	864.
	AREA	4,904.	2,750.	25,472.
	TOTAL	5,454.	2,786.	26,336.
24 WRIGHT CO	POINT	120.	0.	0.
	AREA	4,104.	3,038.	18,872.
	TOTAL	4,224.	3,038.	18,872.
24 YELLOW MEDICINE CO	POINT	10.	882.	39.
	AREA	1,343.	1,012.	8,311.
	TOTAL	1,353.	1,894.	8,350.
25 ADAMS CO	POINT	305.	3,393.	37,092.
	AREA	3,712.	2,166.	15,947.
	TOTAL	4,017.	5,559.	53,039.
25 ALCORN CO	POINT	1,434.	17.	83.
	AREA	3,427.	1,880.	14,806.
	TOTAL	4,861.	1,897.	14,889.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
25 AMITE CO	POINT	389.	130.	1,794.
	AREA	1,600.	803.	7,387.
	TOTAL	1,989.	933.	9,181.
25 ATTALA CO	POINT	38.	8.	210.
	AREA	2,071.	1,154.	9,873.
	TOTAL	2,109.	1,162.	10,083.
25 BENTON CO	POINT	17.	2.	88.
	AREA	751.	583.	3,635.
	TOTAL	768.	585.	3,723.
25 BOLIVAR CO	POINT	524.	800.	646.
	AREA	4,309.	2,473.	21,245.
	TOTAL	4,833.	3,273.	21,891.
25 CALHOUN CO	POINT	121.	171.	900.
	AREA	1,319.	850.	5,140.
	TOTAL	1,440.	1,021.	6,040.
25 CARROLL CO	POINT	98.	3.	2.
	AREA	984.	735.	4,937.
	TOTAL	1,082.	738.	4,939.
25 CHICKASAW CO	POINT	25.	1.	186.
	AREA	3,985.	1,029.	7,381.
	TOTAL	4,010.	1,030.	7,567.
25 CHOCTAW CO	POINT	0.	1.	0.
	AREA	948.	545.	3,259.
	TOTAL	948.	546.	3,259.
25 CLAIBORNE CO	POINT	176.	222.	434.
	AREA	1,011.	873.	4,674.
	TOTAL	1,187.	1,095.	5,108.
25 CLARKE CO	POINT	1,766.	42.	2,971.
	AREA	1,538.	1,004.	6,829.
	TOTAL	3,304.	1,046.	9,800.
25 CLAY CO	POINT	65.	40.	55.
	AREA	2,141.	970.	8,191.
	TOTAL	2,206.	1,010.	8,246.
25 COAHOMA CO	POINT	2,637.	17.	238.
	AREA	3,873.	1,936.	18,152.
	TOTAL	6,510.	1,953.	18,390.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
25 COPIAH CO	POINT	580.	143.	1,716.
	AREA	2,601.	1,469.	12,677.
	TOTAL	3,181.	1,612.	14,393.
25 COVINGTON CO	POINT	753.	2.	10.
	AREA	1,678.	1,362.	7,882.
	TOTAL	2,431.	1,364.	7,892.
25 DE SOTO CO	POINT	178.	3.	405.
	AREA	3,962.	2,735.	17,184.
	TOTAL	4,140.	2,738.	17,589.
25 FORREST CO	POINT	568.	1,056.	208.
	AREA	7,776.	3,678.	39,454.
	TOTAL	8,344.	4,734.	39,662.
25 FRANKLIN CO	POINT	992.	27.	2,259.
	AREA	718.	503.	3,319.
	TOTAL	1,710.	530.	5,578.
25 GEORGE CO	POINT	4.	38.	11.
	AREA	1,356.	868.	6,667.
	TOTAL	1,360.	906.	6,678.
25 GREENE CO	POINT	0.	0.	3.
	AREA	1,140.	608.	5,977.
	TOTAL	1,140.	608.	5,980.
25 GRENADA CO	POINT	225.	622.	578.
	AREA	2,552.	1,220.	11,704.
	TOTAL	2,777.	1,842.	12,282.
25 HANCOCK CO	POINT	0.	0.	1.
	AREA	3,663.	1,522.	21,071.
	TOTAL	3,663.	1,522.	21,072.
25 HARRISON CO	POINT	377.	14,076.	856.
	AREA	15,078.	7,267.	85,795.
	TOTAL	15,455.	21,343.	86,651.
25 HINDS CO	POINT	1,322.	3,764.	462.
	AREA	22,612.	11,254.	109,049.
	TOTAL	23,934.	15,018.	109,511.
25 HOLMES CO	POINT	19.	5.	55.
	AREA	2,092.	1,281.	11,310.
	TOTAL	2,111.	1,286.	11,365.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
25 HUMPHREYS CO	POINT	88.	17.	178.
	AREA	1,202.	764.	6,254.
	TOTAL	1,290.	781.	6,432.
25 ISSAQUENA CO	POINT	3.	0.	5.
	AREA	786.	492.	3,103.
	TOTAL	789.	492.	3,108.
25 ITAWAMBA CO	POINT	98.	7.	946.
	AREA	1,878.	1,098.	6,681.
	TOTAL	1,976.	1,105.	7,627.
25 JACKSON CO	POINT	8,754.	6,234.	6,240.
	AREA	16,521.	6,753.	55,017.
	TOTAL	25,275.	12,987.	61,257.
25 JASPER CO	POINT	979.	321.	69.
	AREA	1,363.	1,021.	6,597.
	TOTAL	2,342.	1,342.	6,666.
25 JEFFERSON CO	POINT	2.	14.	2.
	AREA	864.	816.	3,637.
	TOTAL	866.	830.	3,639.
25 JEFFERSON DAVIS CO	POINT	1.	2.	3.
	AREA	849.	615.	4,009.
	TOTAL	850.	617.	4,012.
25 JONES CO	POINT	229.	3,566.	211.
	AREA	5,832.	3,300.	31,480.
	TOTAL	6,061.	6,866.	31,691.
25 KEMPER CO	POINT	19.	0.	0.
	AREA	838.	614.	4,178.
	TOTAL	857.	614.	4,178.
25 LAFAYETTE CO	POINT	14.	2.	5.
	AREA	2,221.	1,127.	10,696.
	TOTAL	2,235.	1,129.	10,701.
25 LAMAR CO	POINT	8,222.	29.	9,540.
	AREA	2,316.	1,264.	10,605.
	TOTAL	10,538.	1,293.	20,145.
25 LAUDERDALE CO	POINT	103.	511.	171.
	AREA	8,611.	4,200.	39,414.
	TOTAL	8,714.	4,711.	39,585.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS --- * HC	NOX	CO
25 LAWRENCE CO	POINT	346.	3,851.	13,068.
	AREA	1,041.	682.	4,854.
	TOTAL	1,387.	4,533.	17,922.
25 LEAKE CO	POINT	1,452.	132.	17,060.
	AREA	1,529.	1,224.	8,226.
	TOTAL	2,981.	1,356.	25,286.
25 LEE CO	POINT	2,833.	69.	75.
	AREA	6,824.	3,218.	24,159.
	TOTAL	9,657.	3,287.	24,234.
25 LEFLORE CO	POINT	54.	712.	92.
	AREA	3,856.	2,312.	20,678.
	TOTAL	3,910.	3,024.	20,770.
25 LINCOLN CO	POINT	24.	28.	23.
	AREA	3,142.	1,725.	17,409.
	TOTAL	3,166.	1,753.	17,432.
25 LOWNDES CO	POINT	978.	513.	66.
	AREA	5,505.	2,723.	23,822.
	TOTAL	6,483.	3,236.	23,888.
25 MADISON CO	POINT	63.	4.	54.
	AREA	3,021.	1,842.	15,332.
	TOTAL	3,084.	1,846.	15,386.
25 MARION CO	POINT	5,392.	39.	3,071.
	AREA	2,265.	1,578.	12,577.
	TOTAL	7,657.	1,617.	15,648.
25 MARSHALL CO	POINT	0.	0.	0.
	AREA	2,372.	1,451.	10,808.
	TOTAL	2,372.	1,451.	10,808.
25 MONROE CO	POINT	10,191.	6.	28.
	AREA	3,981.	2,041.	15,746.
	TOTAL	14,172.	2,047.	15,774.
25 MONTGOMERY CO	POINT	8.	2.	74.
	AREA	1,435.	836.	7,239.
	TOTAL	1,443.	838.	7,313.
25 NESHOBA CO	POINT	100.	19.	1,183.
	AREA	2,262.	1,196.	9,675.
	TOTAL	2,362.	1,215.	10,858.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS * HC	NOX	CO
25 NEWTON CO	POINT	85.	18.	435.
	AREA	1,847.	1,216.	8,342.
	TOTAL	1,932.	1,234.	8,777.
25 NOXUBEE CO	POINT	4.	47.	11.
	AREA	1,010.	741.	5,248.
	TOTAL	1,014.	788.	5,259.
25 OKTIBBEHA CO	POINT	160.	86.	426.
	AREA	2,454.	1,246.	11,380.
	TOTAL	2,614.	1,332.	11,806.
25 PANOLA CO	POINT	6.	4.	7.
	AREA	3,269.	1,733.	11,953.
	TOTAL	3,275.	1,737.	11,960.
25 PEARL RIVER CO	POINT	191.	59.	1,079.
	AREA	3,251.	1,767.	16,984.
	TOTAL	3,442.	1,826.	18,063.
25 PERRY CO	POINT	679.	30.	2,991.
	AREA	1,788.	778.	9,405.
	TOTAL	2,467.	808.	12,396.
25 PIKE CO	POINT	266.	31.	2,802.
	AREA	3,734.	1,942.	16,148.
	TOTAL	4,000.	1,973.	18,950.
25 PONTOTOC CO	POINT	98.	4.	239.
	AREA	1,897.	1,034.	6,802.
	TOTAL	1,995.	1,038.	7,041.
25 PRENTISS CO	POINT	6.	0.	6.
	AREA	2,286.	1,210.	8,211.
	TOTAL	2,292.	1,210.	8,217.
25 QUITMAN CO	POINT	154.	2.	29.
	AREA	929.	666.	4,346.
	TOTAL	1,083.	668.	4,375.
25 RANKIN CO	POINT	42.	270.	647.
	AREA	5,002.	3,349.	22,456.
	TOTAL	5,044.	3,619.	23,103.
25 SCOTT CO	POINT	19.	0.	3.
	AREA	2,864.	1,643.	14,239.
	TOTAL	2,883.	1,643.	14,242.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS * NOX	CO
25 SHARKEY CO	POINT	119.	15.	1,075.
	AREA	753.	486.	3,775.
	TOTAL	872.	501.	4,850.
25 SIMPSON CO	POINT	249.	47.	1,447.
	AREA	2,435.	1,380.	9,065.
	TOTAL	2,684.	1,427.	10,512.
25 SMITH CO	POINT	348.	120.	605.
	AREA	1,688.	923.	6,447.
	TOTAL	2,036.	1,043.	7,052.
25 STONE CO	POINT	311.	1,281.	973.
	AREA	1,444.	722.	7,373.
	TOTAL	1,755.	2,003.	8,346.
25 SUNFLOWER CO	POINT	625.	136.	1,594.
	AREA	3,335.	1,574.	16,086.
	TOTAL	3,960.	1,710.	17,680.
25 TALLAHATCHIE CO	POINT	72.	9.	728.
	AREA	1,516.	846.	7,878.
	TOTAL	1,588.	855.	8,606.
25 TATE CO	POINT	83.	38.	29.
	AREA	1,554.	980.	7,071.
	TOTAL	1,637.	1,018.	7,100.
25 TIPPAH CO	POINT	39.	6.	225.
	AREA	2,357.	961.	6,746.
	TOTAL	2,396.	967.	6,971.
25 TISHOMINGO CO	POINT	2,091.	0.	1.
	AREA	1,930.	954.	6,302.
	TOTAL	4,021.	954.	6,303.
25 TUNICA CO	POINT	13.	2.	30.
	AREA	1,408.	976.	6,154.
	TOTAL	1,421.	978.	6,184.
25 UNION CO	POINT	93.	12.	312.
	AREA	2,387.	1,322.	10,662.
	TOTAL	2,480.	1,334.	10,974.
25 WALTHALL CO	POINT	1.	98.	9.
	AREA	1,123.	936.	5,443.
	TOTAL	1,124.	1,034.	5,452.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
25 WARREN CO	POINT	635.	19,751.	12,286.
	AREA	4,637.	2,988.	20,972.
	TOTAL	5,272.	22,739.	33,258.
25 WASHINGTON CO	POINT	569.	14,532.	1,231.
	AREA	6,750.	3,540.	30,339.
	TOTAL	7,319.	18,072.	31,570.
25 WAYNE CO	POINT	2,492.	54.	1,957.
	AREA	2,006.	989.	9,220.
	TOTAL	4,498.	1,043.	11,177.
25 WEBSTER CO	POINT	11.	59.	11.
	AREA	893.	623.	3,540.
	TOTAL	904.	682.	3,551.
25 WILKINSON CO	POINT	5.	0.	59.
	AREA	1,022.	879.	4,144.
	TOTAL	1,027.	879.	4,203.
25 WINSTON CO	POINT	214.	15.	432.
	AREA	1,995.	1,381.	9,491.
	TOTAL	2,209.	1,396.	9,923.
25 YALOBUSHA CO	POINT	0.	0.	0.
	AREA	1,608.	765.	6,535.
	TOTAL	1,608.	765.	6,535.
25 YAZOO CO	POINT	354.	6,192.	196.
	AREA	2,673.	1,639.	13,707.
	TOTAL	3,027.	7,831.	13,903.
26 ADAIR CO	POINT	0.	0.	0.
	AREA	3,093.	1,260.	10,856.
	TOTAL	3,093.	1,260.	10,856.
26 ANDREW CO	POINT	0.	0.	0.
	AREA	1,110.	982.	6,360.
	TOTAL	1,110.	982.	6,360.
26 ATCHISON CO	POINT	0.	0.	0.
	AREA	1,091.	887.	5,672.
	TOTAL	1,091.	887.	5,672.
26 AUDRAIN CO	POINT	43.	92.	23.
	AREA	2,588.	1,876.	13,938.
	TOTAL	2,631.	1,968.	13,961.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 BARRY CO	POINT	0.	1.	0.
	AREA	3,195.	1,822.	14,901.
	TOTAL	3,195.	1,823.	14,901.
26 BARTON CO	POINT	0.	0.	0.
	AREA	1,420.	982.	7,125.
	TOTAL	1,420.	982.	7,125.
26 BATES CO	POINT	0.	0.	0.
	AREA	1,598.	1,472.	9,447.
	TOTAL	1,598.	1,472.	9,447.
26 BENTON CO	POINT	0.	0.	0.
	AREA	1,755.	1,038.	7,969.
	TOTAL	1,755.	1,038.	7,969.
26 BOLLINGER CO	POINT	0.	0.	0.
	AREA	930.	742.	4,823.
	TOTAL	930.	742.	4,823.
26 BOONE CO	POINT	71.	1,427.	165.
	AREA	6,474.	3,698.	33,052.
	TOTAL	6,545.	5,125.	33,217.
26 BUCHANAN CO	POINT	324.	3,698.	400.
	AREA	10,073.	4,385.	42,882.
	TOTAL	10,397.	8,083.	43,282.
26 BUTLER CO	POINT	0.	0.	0.
	AREA	3,340.	2,086.	16,062.
	TOTAL	3,340.	2,086.	16,062.
26 CALDWELL CO	POINT	0.	0.	0.
	AREA	1,023.	990.	5,566.
	TOTAL	1,023.	990.	5,566.
26 CALLAWAY CO	POINT	10.	123.	37.
	AREA	2,642.	1,892.	13,793.
	TOTAL	2,652.	2,015.	13,830.
26 CAMDEN CO	POINT	0.	0.	0.
	AREA	3,205.	1,280.	12,738.
	TOTAL	3,205.	1,280.	12,738.
26 CAPE GIRARDEAU CO	POINT	3.	728.	7.
	AREA	5,721.	2,858.	24,343.
	TOTAL	5,724.	3,586.	24,350.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 CARROLL CO	POINT	0.	0.	0.
	AREA	1,566.	1,257.	8,929.
	TOTAL	1,566.	1,257.	8,929.
26 CARTER CO	POINT	0.	0.	0.
	AREA	462.	365.	2,163.
	TOTAL	462.	365.	2,163.
26 CASS CO	POINT	10.	329.	0.
	AREA	4,714.	3,162.	25,741.
	TOTAL	4,724.	3,491.	25,741.
26 CEDAR CO	POINT	0.	0.	0.
	AREA	1,228.	886.	6,616.
	TOTAL	1,228.	886.	6,616.
26 CHARITON CO	POINT	0.	0.	0.
	AREA	1,254.	1,107.	6,657.
	TOTAL	1,254.	1,107.	6,657.
26 CHRISTIAN CO	POINT	123.	1.	1.
	AREA	1,748.	1,488.	8,668.
	TOTAL	1,871.	1,489.	8,669.
26 CLARK CO	POINT	0.	0.	0.
	AREA	892.	768.	4,544.
	TOTAL	892.	768.	4,544.
26 CLAY CO	POINT	21,698.	152.	16.
	AREA	11,127.	3,504.	27,188.
	TOTAL	32,825.	3,656.	27,204.
26 CLINTON CO	POINT	0.	0.	0.
	AREA	1,383.	1,270.	7,946.
	TOTAL	1,383.	1,270.	7,946.
26 COLE CO	POINT	1,377.	12.	1.
	AREA	4,789.	2,807.	26,153.
	TOTAL	6,166.	2,819.	26,154.
26 COOPER CO	POINT	0.	0.	0.
	AREA	1,825.	1,065.	8,588.
	TOTAL	1,825.	1,065.	8,588.
26 CRAWFORD CO	POINT	0.	0.	0.
	AREA	1,995.	1,136.	12,369.
	TOTAL	1,995.	1,136.	12,369.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 DADE CO	POINT	0.	0.	0.
	AREA	747.	687.	4,293.
	TOTAL	747.	687.	4,293.
26 DALLAS CO	POINT	0.	0.	0.
	AREA	947.	911.	5,397.
	TOTAL	947.	911.	5,397.
26 DAVIESS CO	POINT	0.	0.	0.
	AREA	889.	867.	5,074.
	TOTAL	889.	867.	5,074.
26 DE KALB CO	POINT	0.	0.	0.
	AREA	1,016.	806.	7,325.
	TOTAL	1,016.	806.	7,325.
26 DENT CO	POINT	1,967.	0.	6,294.
	AREA	1,427.	948.	7,300.
	TOTAL	3,394.	948.	13,594.
26 DOUGLAS CO	POINT	0.	0.	0.
	AREA	981.	854.	6,082.
	TOTAL	981.	854.	6,082.
26 DUNKLIN CO	POINT	155.	274.	13.
	AREA	3,475.	2,237.	17,642.
	TOTAL	3,630.	2,511.	17,655.
26 FRANKLIN CO	POINT	13,359.	51,223.	2,849.
	AREA	8,129.	4,376.	35,214.
	TOTAL	21,488.	55,599.	38,063.
26 GASCONADE CO	POINT	0.	0.	0.
	AREA	1,756.	1,178.	8,503.
	TOTAL	1,756.	1,178.	8,503.
26 GENTRY CO	POINT	0.	0.	0.
	AREA	991.	891.	4,826.
	TOTAL	991.	891.	4,826.
26 GREENE CO	POINT	2,974.	8,260.	613.
	AREA	25,124.	8,764.	90,532.
	TOTAL	28,098.	17,024.	91,145.
26 GRUNDY CO	POINT	306.	41.	1.
	AREA	1,491.	995.	8,157.
	TOTAL	1,797.	1,036.	8,158.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 HARRISON CO	POINT	0.	0.	0.
	AREA	1,212.	1,127.	7,101.
	TOTAL	1,212.	1,127.	7,101.
26 HENRY CO	POINT	268.	49,488.	894.
	AREA	2,191.	1,465.	12,086.
	TOTAL	2,459.	50,953.	12,980.
26 HICKORY CO	POINT	0.	0.	0.
	AREA	726.	449.	3,566.
	TOTAL	726.	449.	3,566.
26 HOLT CO	POINT	0.	0.	0.
	AREA	930.	826.	4,815.
	TOTAL	930.	826.	4,815.
26 HOWARD CO	POINT	0.	0.	0.
	AREA	1,210.	850.	6,569.
	TOTAL	1,210.	850.	6,569.
26 HOWELL CO	POINT	0.	0.	0.
	AREA	2,994.	1,909.	14,877.
	TOTAL	2,994.	1,909.	14,877.
26 IRON CO	POINT	0.	0.	0.
	AREA	1,231.	705.	4,123.
	TOTAL	1,231.	705.	4,123.
26 JACKSON CO	POINT	42,026.	26,114.	2,056.
	AREA	80,622.	33,699.	363,831.
	TOTAL	122,648.	59,813.	365,887.
26 JASPER CO	POINT	564.	7,591.	364.
	AREA	10,733.	5,755.	53,225.
	TOTAL	11,297.	13,346.	53,589.
26 JEFFERSON CO	POINT	4,649.	12,580.	630.
	AREA	9,108.	7,203.	41,513.
	TOTAL	13,757.	19,783.	42,143.
26 JOHNSON CO	POINT	0.	0.	0.
	AREA	2,663.	1,942.	15,574.
	TOTAL	2,663.	1,942.	15,574.
26 KNOX CO	POINT	0.	0.	0.
	AREA	631.	675.	3,880.
	TOTAL	631.	675.	3,880.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 LACLEDE CO	POINT	6.	34.	6.
	AREA	2,926.	1,718.	14,235.
	TOTAL	2,932.	1,752.	14,241.
26 LAFAYETTE CO	POINT	0.	0.	0.
	AREA	3,277.	2,315.	18,573.
	TOTAL	3,277.	2,315.	18,573.
26 LAWRENCE CO	POINT	75.	91.	79.
	AREA	2,826.	1,883.	14,585.
	TOTAL	2,901.	1,974.	14,664.
26 LEWIS CO	POINT	0.	3.	155.
	AREA	1,180.	1,112.	7,435.
	TOTAL	1,180.	1,115.	7,590.
26 LINCOLN CO	POINT	0.	0.	0.
	AREA	2,133.	1,625.	10,546.
	TOTAL	2,133.	1,625.	10,546.
26 LINN CO	POINT	0.	0.	0.
	AREA	2,148.	1,324.	11,150.
	TOTAL	2,148.	1,324.	11,150.
26 LIVINGSTON CO	POINT	5.	254.	16.
	AREA	1,742.	1,219.	9,901.
	TOTAL	1,747.	1,473.	9,917.
26 MC DONALD CO	POINT	0.	0.	0.
	AREA	1,330.	1,054.	6,503.
	TOTAL	1,330.	1,054.	6,503.
26 MACON CO	POINT	0.	0.	0.
	AREA	1,914.	1,325.	9,792.
	TOTAL	1,914.	1,325.	9,792.
26 MADISON CO	POINT	0.	0.	0.
	AREA	1,080.	761.	5,956.
	TOTAL	1,080.	761.	5,956.
26 MARIES CO	POINT	3.	31.	4.
	AREA	656.	558.	3,634.
	TOTAL	659.	589.	3,638.
26 MARION CO	POINT	5.	2,994.	8.
	AREA	2,641.	1,664.	13,179.
	TOTAL	2,646.	4,658.	13,187.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 MERCER CO	POINT	0.	0.	0.
	AREA	449.	487.	2,891.
	TOTAL	449.	487.	2,891.
26 MILLER CO	POINT	1.	12.	1.
	AREA	2,254.	1,383.	11,349.
	TOTAL	2,255.	1,395.	11,350.
26 MISSISSIPPI CO	POINT	0.	0.	0.
	AREA	1,868.	1,095.	9,763.
	TOTAL	1,868.	1,095.	9,763.
26 MONITEAU CO	POINT	0.	0.	0.
	AREA	1,246.	947.	6,142.
	TOTAL	1,246.	947.	6,142.
26 MONROE CO	POINT	0.	0.	0.
	AREA	993.	988.	5,507.
	TOTAL	993.	988.	5,507.
26 MONTGOMERY CO	POINT	1.	1.	1.
	AREA	1,346.	1,175.	6,342.
	TOTAL	1,347.	1,176.	6,343.
26 MORGAN CO	POINT	0.	0.	0.
	AREA	1,531.	1,010.	6,986.
	TOTAL	1,531.	1,010.	6,986.
26 NEW MADRID CO	POINT	350.	20,966.	1,168.
	AREA	2,277.	1,516.	10,328.
	TOTAL	2,627.	22,482.	11,496.
26 NEWTON CO	POINT	1.	2.	186.
	AREA	4,118.	2,182.	16,691.
	TOTAL	4,119.	2,184.	16,877.
26 NODAWAY CO	POINT	0.	0.	0.
	AREA	2,490.	1,691.	12,504.
	TOTAL	2,490.	1,691.	12,504.
26 OREGON CO	POINT	0.	0.	0.
	AREA	930.	754.	5,265.
	TOTAL	930.	754.	5,265.
26 OSAGE CO	POINT	11.	1,162.	21.
	AREA	1,186.	952.	5,879.
	TOTAL	1,197.	2,114.	5,900.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 OZARK CO	POINT	0.	0.	0.
	AREA	1,233.	597.	5,823.
	TOTAL	1,233.	597.	5,823.
26 PEMISCOT CO	POINT	0.	0.	0.
	AREA	2,453.	1,466.	11,874.
	TOTAL	2,453.	1,466.	11,874.
26 PERRY CO	POINT	0.	0.	0.
	AREA	1,812.	1,170.	9,037.
	TOTAL	1,812.	1,170.	9,037.
26 PETTIS CO	POINT	0.	0.	0.
	AREA	4,176.	2,382.	20,582.
	TOTAL	4,176.	2,382.	20,582.
26 PHELPS CO	POINT	6.	91.	11.
	AREA	2,949.	1,697.	15,025.
	TOTAL	2,955.	1,788.	15,036.
26 PIKE CO	POINT	5.	850.	24.
	AREA	2,271.	1,427.	11,341.
	TOTAL	2,276.	2,277.	11,365.
26 PLATTE CO	POINT	240.	22,519.	754.
	AREA	3,619.	2,231.	11,929.
	TOTAL	3,859.	24,750.	12,683.
26 POLK CO	POINT	0.	0.	0.
	AREA	1,894.	1,410.	11,060.
	TOTAL	1,894.	1,410.	11,060.
26 PULASKI CO	POINT	0.	0.	0.
	AREA	2,804.	1,774.	15,478.
	TOTAL	2,804.	1,774.	15,478.
26 PUTNAM CO	POINT	0.	0.	0.
	AREA	552.	623.	3,542.
	TOTAL	552.	623.	3,542.
26 RALLS CO	POINT	0.	3,120.	0.
	AREA	788.	668.	4,434.
	TOTAL	788.	3,788.	4,434.
26 RANDOLPH CO	POINT	802.	36,002.	655.
	AREA	2,211.	1,530.	11,593.
	TOTAL	3,013.	37,532.	12,248.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 RAY CO	POINT	21.	4.	0.
	AREA	2,270.	1,448.	10,589.
	TOTAL	2,291.	1,452.	10,589.
26 REYNOLDS CO	POINT	1.	1.	1.
	AREA	664.	493.	3,145.
	TOTAL	665.	494.	3,146.
26 RIPLEY CO	POINT	0.	0.	0.
	AREA	900.	771.	4,491.
	TOTAL	900.	771.	4,491.
26 ST CHARLES CO	POINT	7,303.	53,726.	1,271.
	AREA	11,959.	6,865.	55,328.
	TOTAL	19,262.	60,591.	56,599.
26 ST CLAIR CO	POINT	0.	0.	0.
	AREA	804.	775.	4,761.
	TOTAL	804.	775.	4,761.
26 ST FRANCOIS CO	POINT	0.	0.	102.
	AREA	3,718.	2,398.	20,136.
	TOTAL	3,718.	2,398.	20,238.
26 ST LOUIS	POINT	8,432.	5,297.	39,769.
	AREA	101,823.	48,061.	560,099.
	TOTAL	110,255.	53,358.	599,868.
26 ST LOUIS CO	POINT	2,435.	32,205.	1,203.
	AREA	65,350.	19,151.	142,830.
	TOTAL	67,785.	51,356.	144,033.
26 STE GENEVIEVE CO	POINT	0.	0.	0.
	AREA	1,674.	953.	7,189.
	TOTAL	1,674.	953.	7,189.
26 SALINE CO	POINT	5.	163.	18.
	AREA	2,998.	1,821.	15,036.
	TOTAL	3,003.	1,984.	15,054.
26 SCHUYLER CO	POINT	0.	0.	0.
	AREA	535.	550.	3,167.
	TOTAL	535.	550.	3,167.
26 SCOTLAND CO	POINT	0.	0.	0.
	AREA	618.	629.	3,677.
	TOTAL	618.	629.	3,677.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 SCOTT CO	POINT	248.	12.	3.
	AREA	3,477.	2,172.	16,937.
	TOTAL	3,725.	2,184.	16,940.
26 SHANNON CO	POINT	0.	0.	0.
	AREA	690.	489.	3,347.
	TOTAL	690.	489.	3,347.
26 SHELBY CO	POINT	0.	0.	0.
	AREA	998.	889.	4,855.
	TOTAL	998.	889.	4,855.
26 STODDARD CO	POINT	0.	0.	0.
	AREA	3,480.	2,183.	14,899.
	TOTAL	3,480.	2,183.	14,899.
26 STONE CO	POINT	0.	0.	0.
	AREA	2,142.	929.	8,656.
	TOTAL	2,142.	929.	8,656.
26 SULLIVAN CO	POINT	0.	0.	0.
	AREA	807.	826.	4,731.
	TOTAL	807.	826.	4,731.
26 TANEY CO	POINT	0.	0.	0.
	AREA	2,247.	1,262.	9,581.
	TOTAL	2,247.	1,262.	9,581.
26 TEXAS CO	POINT	0.	0.	0.
	AREA	2,113.	1,536.	9,126.
	TOTAL	2,113.	1,536.	9,126.
26 VERNON CO	POINT	14,468.	4.	21.
	AREA	1,761.	1,337.	10,789.
	TOTAL	16,229.	1,341.	10,810.
26 WARREN CO	POINT	124.	0.	0.
	AREA	1,503.	981.	5,759.
	TOTAL	1,627.	981.	5,759.
26 WASHINGTON CO	POINT	11.	249.	14.
	AREA	1,341.	985.	6,738.
	TOTAL	1,352.	1,234.	6,752.
26 WAYNE CO	POINT	0.	0.	0.
	AREA	1,558.	741.	5,255.
	TOTAL	1,558.	741.	5,255.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
26 WEBSTER CO	POINT	0.	0.	0.
	AREA	2,135.	1,653.	11,425.
	TOTAL	2,135.	1,653.	11,425.
26 WORTH CO	POINT	0.	0.	0.
	AREA	370.	379.	2,197.
	TOTAL	370.	379.	2,197.
26 WRIGHT CO	POINT	0.	0.	0.
	AREA	1,964.	1,283.	10,453.
	TOTAL	1,964.	1,283.	10,453.
27 BEAVERHEAD CO	POINT	56.	21.	665.
	AREA	4,632.	1,258.	28,918.
	TOTAL	4,688.	1,279.	29,583.
27 BIG HORN CO	POINT	0.	0.	0.
	AREA	1,166.	825.	8,139.
	TOTAL	1,166.	825.	8,139.
27 BLAINE CO	POINT	0.	0.	0.
	AREA	725.	804.	4,040.
	TOTAL	725.	804.	4,040.
27 BROADWATER CO	POINT	110.	10.	1,300.
	AREA	1,210.	436.	7,258.
	TOTAL	1,320.	446.	8,558.
27 CARBON CO	POINT	0.	0.	0.
	AREA	1,088.	806.	8,067.
	TOTAL	1,088.	806.	8,067.
27 CARTER CO	POINT	0.	0.	0.
	AREA	373.	281.	2,924.
	TOTAL	373.	281.	2,924.
27 CASCADE CO	POINT	1,396.	115.	10,608.
	AREA	6,803.	5,596.	41,183.
	TOTAL	8,199.	5,711.	51,791.
27 CHOUTEAU CO	POINT	0.	0.	0.
	AREA	938.	1,039.	5,860.
	TOTAL	938.	1,039.	5,860.
27 CUSTER CO	POINT	0.	0.	0.
	AREA	1,338.	1,093.	8,670.
	TOTAL	1,338.	1,093.	8,670.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
27 DANIELS CO	POINT	0.	0.	0.
	AREA	461.	391.	3,605.
	TOTAL	461.	391.	3,605.
27 DAWSON CO	POINT	0.	0.	0.
	AREA	1,222.	1,098.	7,628.
	TOTAL	1,222.	1,098.	7,628.
27 DEER LODGE CO	POINT	0.	0.	0.
	AREA	2,185.	1,744.	13,900.
	TOTAL	2,185.	1,744.	13,900.
27 FALLON CO	POINT	0.	0.	0.
	AREA	592.	393.	4,528.
	TOTAL	592.	393.	4,528.
27 FERGUS CO	POINT	15.	14.	176.
	AREA	1,750.	1,116.	13,823.
	TOTAL	1,765.	1,130.	13,999.
27 FLAT HEAD CO	POINT	572.	882.	3,914.
	AREA	8,850.	4,159.	59,571.
	TOTAL	9,422.	5,041.	63,485.
27 GALLATIN CO	POINT	180.	645.	2,082.
	AREA	5,356.	2,849.	37,228.
	TOTAL	5,536.	3,494.	39,310.
27 GARFIELD CO	POINT	0.	0.	0.
	AREA	592.	262.	3,275.
	TOTAL	592.	262.	3,275.
27 GLACIER CO	POINT	662.	137.	12.
	AREA	1,123.	754.	8,229.
	TOTAL	1,785.	891.	8,241.
27 GOLDEN VALLEY CO	POINT	0.	0.	0.
	AREA	188.	131.	1,387.
	TOTAL	188.	131.	1,387.
27 GRANITE CO	POINT	277.	25.	3,277.
	AREA	1,480.	456.	9,132.
	TOTAL	1,757.	481.	12,409.
27 HILL CO	POINT	0.	0.	0.
	AREA	1,905.	1,568.	11,206.
	TOTAL	1,905.	1,568.	11,206.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
27 JEFFERSON CO	POINT	0.	415.	0.
	AREA	1,701.	837.	10,397.
	TOTAL	1,701.	1,252.	10,397.
27 JUDITH BASIN CO	POINT	0.	0.	0.
	AREA	486.	380.	3,745.
	TOTAL	486.	380.	3,745.
27 LAKE CO	POINT	207.	123.	2,222.
	AREA	2,626.	1,855.	14,032.
	TOTAL	2,833.	1,978.	16,254.
27 LEWIS AND CLARK CO	POINT	337.	22.	2,925.
	AREA	6,545.	2,969.	46,095.
	TOTAL	6,882.	2,991.	49,020.
27 LIBERTY CO	POINT	0.	0.	0.
	AREA	344.	406.	2,202.
	TOTAL	344.	406.	2,202.
27 LINCOLN CO	POINT	815.	2,282.	3,891.
	AREA	4,271.	1,989.	22,543.
	TOTAL	5,086.	4,271.	26,434.
27 MC CONE CO	POINT	0.	0.	0.
	AREA	394.	464.	2,490.
	TOTAL	394.	464.	2,490.
27 MADISON CO	POINT	0.	0.	0.
	AREA	3,016.	922.	18,726.
	TOTAL	3,016.	922.	18,726.
27 MEAGHER CO	POINT	53.	4.	637.
	AREA	1,799.	527.	10,426.
	TOTAL	1,852.	531.	11,063.
27 MINERAL CO	POINT	90.	176.	697.
	AREA	1,137.	446.	6,127.
	TOTAL	1,227.	622.	6,824.
27 MISSOULA CO	POINT	418.	2,789.	8,728.
	AREA	8,016.	4,792.	39,268.
	TOTAL	8,434.	7,581.	47,996.
27 MUSSELSHELL CO	POINT	0.	0.	0.
	AREA	499.	504.	2,559.
	TOTAL	499.	504.	2,559.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
27 PARK CO	POINT	148.	13.	1,751.
	AREA	3,312.	1,158.	22,107.
	TOTAL	3,460.	1,171.	23,858.
27 PETROLEUM CO	POINT	0.	0.	0.
	AREA	98.	99.	581.
	TOTAL	98.	99.	581.
27 PHILLIPS CO	POINT	0.	0.	0.
	AREA	817.	767.	4,724.
	TOTAL	817.	767.	4,724.
27 PONDERA CO	POINT	0.	0.	0.
	AREA	924.	873.	5,946.
	TOTAL	924.	873.	5,946.
27 POWDER RIVER CO	POINT	0.	0.	0.
	AREA	388.	376.	2,446.
	TOTAL	388.	376.	2,446.
27 POWELL CO	POINT	53.	55.	622.
	AREA	2,330.	729.	15,040.
	TOTAL	2,383.	784.	15,662.
27 PRAIRIE CO	POINT	0.	0.	0.
	AREA	268.	268.	1,482.
	TOTAL	268.	268.	1,482.
27 RAVALLI CO	POINT	16.	25.	140.
	AREA	3,557.	1,731.	24,111.
	TOTAL	3,573.	1,756.	24,251.
27 RICHLAND CO	POINT	48.	2,213.	162.
	AREA	1,134.	1,086.	6,314.
	TOTAL	1,182.	3,299.	6,476.
27 ROOSEVELT CO	POINT	0.	24.	2.
	AREA	1,313.	1,082.	9,347.
	TOTAL	1,313.	1,106.	9,349.
27 ROSEBUD CO	POINT	338.	20,328.	1,129.
	AREA	819.	816.	4,173.
	TOTAL	1,157.	21,144.	5,302.
27 SANDERS CO	POINT	212.	186.	2,143.
	AREA	2,605.	1,103.	14,654.
	TOTAL	2,817.	1,289.	16,797.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
27 SHERIDAN CO	POINT	0.	0.	0.
	AREA	818.	654.	6,316.
	TOTAL	818.	654.	6,316.
27 SILVER BOW CO	POINT	296.	3,803.	824.
	AREA	4,336.	2,558.	31,981.
	TOTAL	4,632.	6,361.	32,805.
27 STILLWATER CO	POINT	0.	0.	0.
	AREA	645.	657.	3,681.
	TOTAL	645.	657.	3,681.
27 SWEET GRASS CO	POINT	0.	0.	0.
	AREA	497.	374.	3,602.
	TOTAL	497.	374.	3,602.
27 TETON CO	POINT	0.	0.	0.
	AREA	926.	720.	7,093.
	TOTAL	926.	720.	7,093.
27 TOOLE CO	POINT	4,499.	151.	16,863.
	AREA	691.	614.	4,266.
	TOTAL	5,190.	765.	21,129.
27 TREASURE CO	POINT	0.	0.	0.
	AREA	178.	182.	1,154.
	TOTAL	178.	182.	1,154.
27 VALLEY CO	POINT	0.	45.	3.
	AREA	1,435.	1,232.	8,613.
	TOTAL	1,435.	1,277.	8,616.
27 WHEATLAND CO	POINT	0.	0.	0.
	AREA	349.	246.	2,533.
	TOTAL	349.	246.	2,533.
27 WIBAUX CO	POINT	0.	0.	0.
	AREA	184.	210.	1,177.
	TOTAL	184.	210.	1,177.
27 YELLOWSTONE CO	POINT	9,016.	13,516.	59,337.
	AREA	8,646.	7,235.	49,543.
	TOTAL	17,662.	20,751.	108,880.
28 ADAMS CO	POINT	7,114.	876.	515.
	AREA	3,081.	2,161.	16,239.
	TOTAL	10,195.	3,037.	16,754.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
28 ANTELOPE CO	POINT	0.	0.	0.
	AREA	831.	966.	4,781.
	TOTAL	831.	966.	4,781.
28 ARTHUR CO	POINT	0.	0.	0.
	AREA	97.	94.	688.
	TOTAL	97.	94.	688.
28 BANNER CO	POINT	0.	0.	0.
	AREA	201.	168.	1,709.
	TOTAL	201.	168.	1,709.
28 BLAINE CO	POINT	0.	0.	0.
	AREA	125.	141.	802.
	TOTAL	125.	141.	802.
28 BOONE CO	POINT	0.	0.	0.
	AREA	660.	879.	4,129.
	TOTAL	660.	879.	4,129.
28 BOX BUTTE CO	POINT	0.	81.	6.
	AREA	1,539.	850.	8,926.
	TOTAL	1,539.	931.	8,932.
28 BOYD CO	POINT	0.	0.	0.
	AREA	359.	401.	2,317.
	TOTAL	359.	401.	2,317.
28 BROWN CO	POINT	0.	0.	0.
	AREA	420.	494.	2,590.
	TOTAL	420.	494.	2,590.
28 BUFFALO CO	POINT	1.	13.	2.
	AREA	4,828.	2,969.	24,836.
	TOTAL	4,829.	2,982.	24,838.
28 BURT CO	POINT	0.	0.	0.
	AREA	796.	918.	4,563.
	TOTAL	796.	918.	4,563.
28 BUTLER CO	POINT	0.	0.	0.
	AREA	873.	1,013.	5,111.
	TOTAL	873.	1,013.	5,111.
28 CASS CO	POINT	0.	775.	0.
	AREA	1,977.	1,902.	11,208.
	TOTAL	1,977.	2,677.	11,208.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
28 CEDAR CO	POINT	40.	113.	14.
	AREA	951.	1,100.	5,450.
	TOTAL	991.	1,213.	5,464.
28 CHASE CO	POINT	0.	0.	0.
	AREA	410.	503.	2,438.
	TOTAL	410.	503.	2,438.
28 CHERRY CO	POINT	0.	0.	0.
	AREA	1,039.	842.	6,258.
	TOTAL	1,039.	842.	6,258.
28 CHEYENNE CO	POINT	72.	204.	29.
	AREA	1,526.	874.	12,022.
	TOTAL	1,598.	1,078.	12,051.
28 CLAY CO	POINT	0.	0.	0.
	AREA	715.	859.	4,670.
	TOTAL	715.	859.	4,670.
28 COLFAX CO	POINT	1.	95.	5.
	AREA	930.	1,003.	5,604.
	TOTAL	931.	1,098.	5,609.
28 CUMING CO	POINT	0.	36.	2.
	AREA	1,203.	1,322.	8,168.
	TOTAL	1,203.	1,358.	8,170.
28 CUSTER CO	POINT	52.	139.	18.
	AREA	1,485.	1,549.	9,289.
	TOTAL	1,537.	1,688.	9,307.
28 DAKOTA CO	POINT	13.	158.	22.
	AREA	1,579.	1,273.	10,259.
	TOTAL	1,592.	1,431.	10,281.
28 DAWES CO	POINT	37.	5.	50.
	AREA	935.	619.	7,597.
	TOTAL	972.	624.	7,647.
28 DAWSON CO	POINT	6.	1,863.	28.
	AREA	3,916.	2,452.	20,983.
	TOTAL	3,922.	4,315.	21,011.
28 DEUEL CO	POINT	0.	0.	0.
	AREA	656.	416.	5,150.
	TOTAL	656.	416.	5,150.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
28 DIXON CO	POINT	89.	217.	27.
	AREA	573.	658.	3,200.
	TOTAL	662.	875.	3,227.
28 DODGE CO	POINT	163.	2,843.	365.
	AREA	3,447.	2,804.	20,040.
	TOTAL	3,610.	5,647.	20,405.
28 DOUGLAS CO	POINT	6,708.	16,544.	903.
	AREA	39,998.	27,569.	222,979.
	TOTAL	46,706.	44,113.	223,882.
28 DUNDY CO	POINT	0.	0.	0.
	AREA	303.	383.	1,871.
	TOTAL	303.	383.	1,871.
28 FILLMORE CO	POINT	14,279.	0.	0.
	AREA	750.	955.	5,075.
	TOTAL	15,029.	955.	5,075.
28 FRANKLIN CO	POINT	0.	0.	0.
	AREA	388.	469.	2,328.
	TOTAL	388.	469.	2,328.
28 FRONTIER CO	POINT	0.	0.	0.
	AREA	430.	458.	2,253.
	TOTAL	430.	458.	2,253.
28 FURNAS CO	POINT	122.	321.	43.
	AREA	608.	717.	3,283.
	TOTAL	730.	1,038.	3,326.
28 GAGE CO	POINT	44.	376.	216.
	AREA	2,152.	1,982.	11,199.
	TOTAL	2,196.	2,358.	11,415.
28 GARDEN CO	POINT	0.	0.	0.
	AREA	558.	378.	2,529.
	TOTAL	558.	378.	2,529.
28 GARFIELD CO	POINT	0.	35.	4.
	AREA	272.	367.	2,257.
	TOTAL	272.	402.	2,261.
28 GOSPER CO	POINT	0.	0.	0.
	AREA	271.	340.	1,811.
	TOTAL	271.	340.	1,811.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
28 GRANT CO	POINT	0.	0.	0.
	AREA	190.	123.	1,369.
	TOTAL	190.	123.	1,369.
28 GREELEY CO	POINT	0.	0.	0.
	AREA	311.	380.	2,124.
	TOTAL	311.	380.	2,124.
28 HALL CO	POINT	21,787.	630.	23.
	AREA	6,254.	4,120.	34,124.
	TOTAL	28,041.	4,750.	34,147.
28 HAMILTON CO	POINT	0.	0.	0.
	AREA	1,541.	1,363.	9,945.
	TOTAL	1,541.	1,363.	9,945.
28 HARLAN CO	POINT	0.	6.	0.
	AREA	523.	500.	2,670.
	TOTAL	523.	506.	2,670.
28 HAYES CO	POINT	0.	0.	0.
	AREA	208.	186.	1,641.
	TOTAL	208.	186.	1,641.
28 HITCHCOCK CO	POINT	0.	0.	0.
	AREA	464.	484.	2,431.
	TOTAL	464.	484.	2,431.
28 HOLT CO	POINT	0.	0.	0.
	AREA	1,367.	1,467.	9,303.
	TOTAL	1,367.	1,467.	9,303.
28 HOOKER CO	POINT	0.	0.	0.
	AREA	148.	206.	1,459.
	TOTAL	148.	206.	1,459.
28 HOWARD CO	POINT	0.	0.	0.
	AREA	666.	749.	3,982.
	TOTAL	666.	749.	3,982.
28 JEFFERSON CO	POINT	0.	90.	1.
	AREA	1,014.	1,044.	6,048.
	TOTAL	1,014.	1,134.	6,049.
28 JOHNSON CO	POINT	116.	295.	38.
	AREA	443.	525.	2,507.
	TOTAL	559.	820.	2,545.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
28 KEARNEY CO	POINT	0.	0.	0.
	AREA	800.	767.	4,799.
	TOTAL	800.	767.	4,799.
28 KEITH CO	POINT	0.	223.	2.
	AREA	2,285.	1,242.	12,270.
	TOTAL	2,285.	1,465.	12,272.
28 KEYA PAHA CO	POINT	0.	0.	0.
	AREA	178.	192.	1,264.
	TOTAL	178.	192.	1,264.
28 KIMBALL CO	POINT	116.	292.	38.
	AREA	1,084.	521.	8,919.
	TOTAL	1,200.	813.	8,957.
28 KNOX CO	POINT	0.	0.	0.
	AREA	1,003.	1,148.	6,094.
	TOTAL	1,003.	1,148.	6,094.
28 LANCASTER CO	POINT	283.	12,413.	609.
	AREA	18,417.	12,711.	103,423.
	TOTAL	18,700.	25,124.	104,032.
28 LINCOLN CO	POINT	0.	0.	0.
	AREA	4,601.	3,182.	28,051.
	TOTAL	4,601.	3,182.	28,051.
28 LOGAN CO	POINT	0.	0.	0.
	AREA	134.	153.	841.
	TOTAL	134.	153.	841.
28 LOUP CO	POINT	0.	0.	0.
	AREA	119.	132.	813.
	TOTAL	119.	132.	813.
28 MC PHERSON CO	POINT	0.	0.	0.
	AREA	101.	111.	657.
	TOTAL	101.	111.	657.
28 MADISON CO	POINT	54.	74.	116.
	AREA	2,983.	2,449.	17,369.
	TOTAL	3,037.	2,523.	17,485.
28 MERRICK CO	POINT	0.	0.	0.
	AREA	1,048.	944.	6,314.
	TOTAL	1,048.	944.	6,314.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
28 MORRILL CO	POINT	17.	262.	35.
	AREA	887.	649.	6,682.
	TOTAL	904.	911.	6,717.
28 NANCE CO	POINT	0.	0.	0.
	AREA	452.	534.	2,946.
	TOTAL	452.	534.	2,946.
28 NEMAHA CO	POINT	215.	420.	59.
	AREA	853.	791.	5,192.
	TOTAL	1,068.	1,211.	5,251.
28 NUCKOLLS CO	POINT	51.	310.	1.
	AREA	692.	779.	3,849.
	TOTAL	743.	1,089.	3,850.
28 OTOE CO	POINT	432.	1,681.	289.
	AREA	1,620.	1,421.	8,963.
	TOTAL	2,052.	3,102.	9,252.
28 PAWNEE CO	POINT	0.	0.	2.
	AREA	388.	459.	2,415.
	TOTAL	388.	459.	2,417.
28 PERKINS CO	POINT	0.	0.	0.
	AREA	349.	414.	2,096.
	TOTAL	349.	414.	2,096.
28 PHELPS CO	POINT	0.	0.	0.
	AREA	1,112.	883.	5,785.
	TOTAL	1,112.	883.	5,785.
28 PIERCE CO	POINT	0.	8.	0.
	AREA	774.	898.	4,694.
	TOTAL	774.	906.	4,694.
28 PLATTE CO	POINT	60.	18.	2.
	AREA	3,076.	2,497.	16,743.
	TOTAL	3,136.	2,515.	16,745.
28 POLK CO	POINT	0.	0.	0.
	AREA	566.	734.	3,695.
	TOTAL	566.	734.	3,695.
28 RED WILLOW CO	POINT	0.	10.	2.
	AREA	1,510.	987.	6,482.
	TOTAL	1,510.	997.	6,484.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
28 RICHARDSON CO	POINT	117.	335.	49.
	AREA	1,011.	981.	5,875.
	TOTAL	1,128.	1,316.	5,924.
28 ROCK CO	POINT	0.	0.	0.
	AREA	304.	345.	1,856.
	TOTAL	304.	345.	1,856.
28 SALINE CO	POINT	167.	481.	89.
	AREA	1,753.	1,782.	14,104.
	TOTAL	1,920.	2,263.	14,193.
28 SARPY CO	POINT	6,948.	3,602.	691.
	AREA	5,579.	4,389.	33,995.
	TOTAL	12,527.	7,991.	34,686.
28 SAUNDERS CO	POINT	0.	0.	0.
	AREA	1,665.	1,721.	9,643.
	TOTAL	1,665.	1,721.	9,643.
28 SCOTTS BLUFF CO	POINT	148.	1,463.	4,967.
	AREA	4,244.	2,560.	30,225.
	TOTAL	4,392.	4,023.	35,192.
28 SEWARD CO	POINT	1.	7.	1.
	AREA	1,956.	1,599.	10,920.
	TOTAL	1,957.	1,606.	10,921.
28 SHERIDAN CO	POINT	0.	0.	0.
	AREA	964.	774.	6,963.
	TOTAL	964.	774.	6,963.
28 SHERMAN CO	POINT	0.	0.	0.
	AREA	465.	517.	2,768.
	TOTAL	465.	517.	2,768.
28 SIOUX CO	POINT	0.	0.	0.
	AREA	310.	275.	2,739.
	TOTAL	310.	275.	2,739.
28 STANTON CO	POINT	0.	24.	0.
	AREA	614.	740.	3,684.
	TOTAL	614.	764.	3,684.
28 THAYER CO	POINT	2.	35.	8.
	AREA	807.	853.	4,285.
	TOTAL	809.	888.	4,293.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
28 THOMAS CO	POINT	0.	0.	0.
	AREA	141.	148.	916.
	TOTAL	141.	148.	916.
28 THURSTON CO	POINT	0.	0.	0.
	AREA	601.	594.	2,810.
	TOTAL	601.	594.	2,810.
28 VALLEY CO	POINT	0.	0.	0.
	AREA	526.	584.	2,960.
	TOTAL	526.	584.	2,960.
28 WASHINGTON CO	POINT	112.	329.	48.
	AREA	1,330.	1,235.	7,809.
	TOTAL	1,442.	1,564.	7,857.
28 WAYNE CO	POINT	235.	788.	124.
	AREA	806.	760.	5,168.
	TOTAL	1,041.	1,548.	5,292.
28 WEBSTER CO	POINT	69.	190.	26.
	AREA	437.	520.	2,649.
	TOTAL	506.	710.	2,675.
28 WHEELER CO	POINT	0.	0.	0.
	AREA	132.	171.	884.
	TOTAL	132.	171.	884.
28 YORK CO	POINT	0.	0.	0.
	AREA	2,062.	1,696.	12,695.
	TOTAL	2,062.	1,696.	12,695.
29 CARSON CITY	POINT	2,341.	2,356.	7,802.
	AREA	3,031.	1,501.	18,856.
	TOTAL	5,372.	3,857.	26,658.
29 CHURCHILL CO	POINT	82.	10.	2.
	AREA	2,385.	1,352.	15,691.
	TOTAL	2,467.	1,362.	15,693.
29 CLARK CO	POINT	1,414.	82,430.	5,809.
	AREA	36,916.	21,948.	225,794.
	TOTAL	38,330.	104,378.	231,603.
29 DOUGLAS CO	POINT	6.	95.	16.
	AREA	1,973.	1,084.	14,058.
	TOTAL	1,979.	1,179.	14,074.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
29 ELKO CO	POINT	0.	3.	0.
	AREA	2,758.	1,148.	19,823.
	TOTAL	2,758.	1,151.	19,823.
29 ESMERALDA CO	POINT	0.	13.	1.
	AREA	114.	62.	706.
	TOTAL	114.	75.	707.
29 EUREKA CO	POINT	0.	3.	0.
	AREA	151.	110.	1,226.
	TOTAL	151.	113.	1,226.
29 HUMBOLDT CO	POINT	0.	21.	2.
	AREA	1,100.	495.	8,040.
	TOTAL	1,100.	516.	8,042.
29 LANDER CO	POINT	0.	0.	0.
	AREA	452.	271.	3,071.
	TOTAL	452.	271.	3,071.
29 LINCOLN CO	POINT	0.	0.	0.
	AREA	366.	205.	2,556.
	TOTAL	366.	205.	2,556.
29 LYON CO	POINT	18.	7,836.	135.
	AREA	1,425.	843.	10,951.
	TOTAL	1,443.	8,679.	11,086.
29 MINERAL CO	POINT	10.	26.	6.
	AREA	1,148.	416.	8,858.
	TOTAL	1,158.	442.	8,864.
29 NYE CO	POINT	1,165.	14.	1.
	AREA	872.	484.	6,537.
	TOTAL	2,037.	498.	6,538.
29 PERSHING CO	POINT	0.	0.	0.
	AREA	607.	264.	3,505.
	TOTAL	607.	264.	3,505.
29 STOREY CO	POINT	12.	2,644.	66.
	AREA	156.	75.	1,142.
	TOTAL	168.	2,719.	1,208.
29 WASHOE CO	POINT	95.	5.	0.
	AREA	20,563.	8,047.	153,499.
	TOTAL	20,658.	8,052.	153,499.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
29 WHITE PINE CO	POINT	50.	750.	100.
	AREA	1,563.	681.	12,456.
	TOTAL	1,613.	1,431.	12,556.
30 BELKNAP CO	POINT	556.	110.	528.
	AREA	3,842.	1,985.	19,574.
	TOTAL	4,398.	2,095.	20,102.
30 CARROLL CO	POINT	264.	81.	588.
	AREA	2,325.	1,457.	9,310.
	TOTAL	2,589.	1,538.	9,898.
30 CHESHIRE CO	POINT	1,501.	338.	1,528.
	AREA	5,351.	2,798.	24,242.
	TOTAL	6,852.	3,136.	25,770.
30 COOS CO	POINT	679.	2,617.	6,849.
	AREA	3,515.	1,786.	16,669.
	TOTAL	4,194.	4,403.	23,518.
30 GRAFTON CO	POINT	473.	446.	1,130.
	AREA	6,919.	3,080.	28,376.
	TOTAL	7,392.	3,526.	29,506.
30 HILLSBOROUGH CO	POINT	7,676.	1,115.	3,707.
	AREA	30,866.	11,220.	136,386.
	TOTAL	38,542.	12,335.	140,093.
30 MERRIMACK CO	POINT	6,302.	27,476.	1,174.
	AREA	8,008.	3,670.	36,985.
	TOTAL	14,310.	31,146.	38,159.
30 ROCKINGHAM CO	POINT	4,838.	8,198.	3,089.
	AREA	14,737.	7,684.	71,571.
	TOTAL	19,575.	15,882.	74,660.
30 STRAFFORD CO	POINT	1,322.	499.	2,094.
	AREA	8,436.	2,418.	28,868.
	TOTAL	9,758.	2,917.	30,962.
30 SULLIVAN CO	POINT	284.	192.	809.
	AREA	3,151.	1,353.	13,850.
	TOTAL	3,435.	1,545.	14,659.
31 ATLANTIC CO	POINT	1.	93.	6.
	AREA	13,971.	7,186.	68,932.
	TOTAL	13,972.	7,279.	68,938.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
31 BERGEN CO	POINT	16,572.	9,631.	2,485.
	AREA	95,454.	36,064.	398,761.
	TOTAL	112,026.	45,695.	401,246.
31 BURLINGTON CO	POINT	1,582.	8,362.	23,707.
	AREA	26,132.	12,538.	126,256.
	TOTAL	27,714.	20,900.	149,963.
31 CAMDEN CO	POINT	1,222.	3,883.	1,695.
	AREA	38,281.	17,513.	186,939.
	TOTAL	39,503.	21,396.	188,634.
31 CAPE MAY CO	POINT	121.	8,257.	443.
	AREA	5,959.	4,061.	31,771.
	TOTAL	6,080.	12,318.	32,214.
31 CUMBERLAND CO	POINT	55.	1,474.	5,063.
	AREA	15,172.	7,854.	79,162.
	TOTAL	15,227.	9,328.	84,225.
31 ESSEX CO	POINT	4,745.	7,748.	2,187.
	AREA	78,925.	34,286.	342,980.
	TOTAL	83,670.	42,034.	345,167.
31 GLOUCESTER CO	POINT	136,282.	9,982.	97,759.
	AREA	16,153.	8,414.	80,888.
	TOTAL	152,435.	18,396.	178,647.
31 HUDSON CO	POINT	27,232.	29,302.	3,059.
	AREA	55,515.	22,732.	274,448.
	TOTAL	82,747.	52,034.	277,507.
31 HUNTERDON CO	POINT	20.	1,232.	70.
	AREA	7,695.	5,056.	29,223.
	TOTAL	7,715.	6,288.	29,293.
31 MERCER CO	POINT	2,856.	17,877.	1,031.
	AREA	33,745.	13,194.	131,810.
	TOTAL	36,601.	31,071.	132,841.
31 MIDDLESEX CO	POINT	23,281.	20,090.	68,968.
	AREA	61,381.	24,231.	271,599.
	TOTAL	84,662.	44,321.	340,567.
31 MONMOUTH CO	POINT	73.	305.	68.
	AREA	37,431.	18,037.	178,691.
	TOTAL	37,504.	18,342.	178,759.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
31 MORRIS CO	POINT	107.	2,932.	123.
	AREA	38,864.	15,958.	160,198.
	TOTAL	38,971.	18,890.	160,321.
31 OCEAN CO	POINT	17.	228.	31.
	AREA	24,678.	15,056.	125,379.
	TOTAL	24,695.	15,284.	125,410.
31 PASSAIC CO	POINT	819.	1,677.	317.
	AREA	50,355.	17,923.	194,650.
	TOTAL	51,174.	19,600.	194,967.
31 SALEM CO	POINT	5,404.	5,897.	985.
	AREA	5,894.	3,844.	30,692.
	TOTAL	11,298.	9,741.	31,677.
31 SOMERSET CO	POINT	147.	993.	66.
	AREA	18,334.	7,418.	64,809.
	TOTAL	18,481.	8,411.	64,875.
31 SUSSEX CO	POINT	0.	0.	0.
	AREA	7,967.	5,166.	38,228.
	TOTAL	7,967.	5,166.	38,228.
31 UNION CO	POINT	60,384.	15,864.	16,998.
	AREA	68,118.	24,804.	290,613.
	TOTAL	128,502.	40,668.	307,611.
31 WARREN CO	POINT	801.	1,056.	7,270.
	AREA	10,171.	4,314.	35,333.
	TOTAL	10,972.	5,370.	42,603.
32 BERNALILLO CO	POINT	232.	10,925.	30.
	AREA	44,937.	19,753.	327,093.
	TOTAL	45,169.	30,678.	327,123.
32 CATRON CO	POINT	66.	6.	780.
	AREA	894.	350.	6,153.
	TOTAL	960.	356.	6,933.
32 CHAVES CO	POINT	1,244.	1,039.	95.
	AREA	5,740.	2,665.	39,467.
	TOTAL	6,984.	3,704.	39,562.
32 COLFAX CO	POINT	95.	149.	1,032.
	AREA	2,281.	941.	16,487.
	TOTAL	2,376.	1,090.	17,519.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
32 CURRY CO	POINT	0.	0.	0.
	AREA	4,517.	2,275.	31,248.
	TOTAL	4,517.	2,275.	31,248.
32 DE BACA CO	POINT	0.	0.	0.
	AREA	645.	392.	5,174.
	TOTAL	645.	392.	5,174.
32 DONA ANA CO	POINT	43.	2,588.	96.
	AREA	8,623.	4,417.	66,640.
	TOTAL	8,666.	7,005.	66,736.
32 EDDY CO	POINT	4,039.	3,328.	4,938.
	AREA	4,454.	3,260.	26,147.
	TOTAL	8,493.	6,588.	31,085.
32 GRANT CO	POINT	70.	2,235.	205.
	AREA	2,934.	1,526.	22,897.
	TOTAL	3,004.	3,761.	23,102.
32 GUADALUPE CO	POINT	16.	3.	48.
	AREA	1,993.	960.	15,185.
	TOTAL	2,009.	963.	15,233.
32 HARDING CO	POINT	0.	0.	0.
	AREA	267.	128.	1,729.
	TOTAL	267.	128.	1,729.
32 HIDALGO CO	POINT	36.	1,394.	29.
	AREA	1,571.	593.	12,271.
	TOTAL	1,607.	1,987.	12,300.
32 LEA CO	POINT	15,632.	8,274.	505.
	AREA	5,651.	4,226.	35,576.
	TOTAL	21,283.	12,500.	36,081.
32 LINCOLN CO	POINT	907.	84.	22.
	AREA	1,644.	935.	11,932.
	TOTAL	2,551.	1,019.	11,954.
32 LOS ALAMOS CO	POINT	1.	946.	25.
	AREA	1,399.	737.	11,089.
	TOTAL	1,400.	1,683.	11,114.
32 LUNA CO	POINT	790.	393.	36.
	AREA	2,903.	1,184.	24,895.
	TOTAL	3,693.	1,577.	24,931.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
32 MC KINLEY CO	POINT	6,271.	769.	84.
	AREA	9,988.	6,332.	60,288.
	TOTAL	16,259.	7,101.	60,372.
32 MORA CO	POINT	0.	0.	0.
	AREA	595.	367.	4,867.
	TOTAL	595.	367.	4,867.
32 OTERO CO	POINT	194.	17.	2,303.
	AREA	7,132.	3,067.	51,264.
	TOTAL	7,326.	3,084.	53,567.
32 QUAY CO	POINT	243.	1,477.	20.
	AREA	2,923.	1,179.	25,096.
	TOTAL	3,166.	2,656.	25,116.
32 RIO ARRIBA CO	POINT	587.	199.	2,728.
	AREA	2,408.	1,708.	17,477.
	TOTAL	2,995.	1,907.	20,205.
32 ROOSEVELT CO	POINT	471.	137.	14.
	AREA	2,086.	1,097.	16,880.
	TOTAL	2,557.	1,234.	16,894.
32 SANDOVAL CO	POINT	157.	905.	1,560.
	AREA	4,241.	2,523.	34,032.
	TOTAL	4,398.	3,428.	35,592.
32 SAN JUAN CO	POINT	7,593.	103,066.	4,978.
	AREA	4,648.	3,295.	29,766.
	TOTAL	12,241.	106,361.	34,744.
32 SAN MIGUEL CO	POINT	88.	68.	990.
	AREA	3,862.	1,545.	32,123.
	TOTAL	3,950.	1,613.	33,113.
32 SANTA FE CO	POINT	0.	0.	0.
	AREA	7,907.	3,618.	61,772.
	TOTAL	7,907.	3,618.	61,772.
32 SIERRA CO	POINT	0.	0.	0.
	AREA	1,790.	606.	12,358.
	TOTAL	1,790.	606.	12,358.
32 SOCORRO CO	POINT	0.	0.	0.
	AREA	2,503.	976.	19,689.
	TOTAL	2,503.	976.	19,689.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
32 TAOS CO	POINT	546.	956.	1,369.
	AREA	1,803.	1,178.	12,865.
	TOTAL	2,349.	2,134.	14,234.
32 TORRANCE CO	POINT	440.	0.	7.
	AREA	1,992.	1,008.	15,710.
	TOTAL	2,432.	1,008.	15,717.
32 UNION CO	POINT	107.	729.	2.
	AREA	987.	478.	8,482.
	TOTAL	1,094.	1,207.	8,484.
32 VALENCIA CO	POINT	923.	234.	591.
	AREA	6,247.	3,571.	50,559.
	TOTAL	7,170.	3,805.	51,150.
33 ALBANY CO	POINT	3,948.	11,280.	548.
	AREA	18,811.	9,979.	100,652.
	TOTAL	22,759.	21,259.	101,200.
33 ALLEGANY CO	POINT	133.	26.	8.
	AREA	4,207.	2,390.	17,191.
	TOTAL	4,340.	2,416.	17,199.
33 BRONX CO	POINT	120.	1,070.	928.
	AREA	53,556.	21,484.	240,569.
	TOTAL	53,676.	22,554.	241,497.
33 BROOME CO	POINT	1,600.	4,663.	300.
	AREA	24,275.	8,974.	95,150.
	TOTAL	25,875.	13,637.	95,450.
33 CATTARAUGUS CO	POINT	490.	618.	37.
	AREA	6,879.	3,970.	29,922.
	TOTAL	7,369.	4,588.	29,959.
33 CAYUGA CO	POINT	203.	133.	15.
	AREA	7,607.	3,804.	34,279.
	TOTAL	7,810.	3,937.	34,294.
33 CHAUTAUQUA CO	POINT	2,035.	13,118.	758.
	AREA	13,864.	6,580.	58,112.
	TOTAL	15,899.	19,698.	58,870.
33 CHEMUNG CO	POINT	279.	124.	435.
	AREA	10,416.	4,083.	41,937.
	TOTAL	10,695.	4,207.	42,372.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
33 CHENANGO CO	POINT	302.	2,664.	349.
	AREA	3,807.	2,691.	17,044.
	TOTAL	4,109.	5,355.	17,393.
33 CLINTON CO	POINT	604.	1,112.	96.
	AREA	6,565.	3,097.	27,083.
	TOTAL	7,169.	4,209.	27,179.
33 COLUMBIA CO	POINT	264.	58.	6.
	AREA	4,596.	3,075.	20,993.
	TOTAL	4,860.	3,133.	20,999.
33 CORTLAND CO	POINT	350.	34.	7.
	AREA	5,088.	2,041.	17,841.
	TOTAL	5,438.	2,075.	17,848.
33 DELAWARE CO	POINT	205.	173.	24.
	AREA	3,921.	2,362.	17,101.
	TOTAL	4,126.	2,535.	17,125.
33 DUTCHESS CO	POINT	4,036.	3,718.	406.
	AREA	21,848.	10,458.	90,240.
	TOTAL	25,884.	14,176.	90,646.
33 ERIE CO	POINT	6,486.	27,689.	3,232.
	AREA	79,288.	33,425.	346,301.
	TOTAL	85,774.	61,114.	349,533.
33 ESSEX CO	POINT	19.	1,040.	87.
	AREA	3,475.	1,832.	15,625.
	TOTAL	3,494.	2,872.	15,712.
33 FRANKLIN CO	POINT	12.	164.	21.
	AREA	3,485.	1,971.	17,325.
	TOTAL	3,497.	2,135.	17,346.
33 FULTON CO	POINT	36.	184.	16.
	AREA	4,703.	2,050.	19,646.
	TOTAL	4,739.	2,234.	19,662.
33 GENESEE CO	POINT	118.	255.	30.
	AREA	5,173.	3,147.	23,719.
	TOTAL	5,291.	3,402.	23,749.
33 GREENE CO	POINT	8.	1,751.	3.
	AREA	3,194.	2,259.	15,142.
	TOTAL	3,202.	4,010.	15,145.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
33 HAMILTON CO	POINT	11.	0.	0.
	AREA	1,076.	307.	4,283.
	TOTAL	1,087.	307.	4,283.
33 HERKIMER CO	POINT	169.	234.	32.
	AREA	7,404.	2,896.	27,354.
	TOTAL	7,573.	3,130.	27,386.
33 JEFFERSON CO	POINT	183.	1,025.	155.
	AREA	7,863.	4,337.	38,224.
	TOTAL	8,046.	5,362.	38,379.
33 KINGS CO	POINT	1,659.	1,883.	9,514.
	AREA	124,680.	45,970.	488,708.
	TOTAL	126,339.	47,853.	498,222.
33 LEWIS CO	POINT	1,170.	475.	44.
	AREA	2,124.	1,376.	9,394.
	TOTAL	3,294.	1,851.	9,438.
33 LIVINGSTON CO	POINT	252.	176.	19.
	AREA	4,768.	2,781.	21,676.
	TOTAL	5,020.	2,957.	21,695.
33 MADISON CO	POINT	145.	21.	3.
	AREA	5,239.	3,035.	26,998.
	TOTAL	5,384.	3,056.	27,001.
33 MONROE CO	POINT	35,813.	26,134.	1,261.
	AREA	54,161.	22,467.	232,029.
	TOTAL	89,974.	48,601.	233,290.
33 MONTGOMERY CO	POINT	200.	289.	26.
	AREA	5,230.	2,599.	23,525.
	TOTAL	5,430.	2,888.	23,551.
33 NASSAU CO	POINT	12,600.	14,484.	20,855.
	AREA	117,364.	47,957.	597,812.
	TOTAL	129,964.	62,441.	618,667.
33 NEW YORK CO	POINT	590.	16,945.	10,205.
	AREA	127,537.	38,207.	229,258.
	TOTAL	128,127.	55,152.	239,463.
33 NIAGARA CO	POINT	5,066.	4,418.	7,060.
	AREA	21,942.	9,704.	99,297.
	TOTAL	27,008.	14,122.	106,357.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
33 ONEIDA CO	POINT	684.	1,354.	180.
	AREA	21,594.	10,441.	100,968.
	TOTAL	22,278.	11,795.	101,148.
33 ONONDAGA CO	POINT	2,958.	8,211.	2,661.
	AREA	38,118.	16,415.	165,472.
	TOTAL	41,076.	24,626.	168,133.
33 ONTARIO CO	POINT	757.	82.	10.
	AREA	7,277.	4,114.	32,119.
	TOTAL	8,034.	4,196.	32,129.
33 ORANGE CO	POINT	1,109.	28,647.	1,854.
	AREA	18,587.	9,686.	92,671.
	TOTAL	19,696.	38,333.	94,525.
33 ORLEANS CO	POINT	251.	64.	7.
	AREA	2,868.	2,070.	14,606.
	TOTAL	3,119.	2,134.	14,613.
33 OSWEGO CO	POINT	614.	17,826.	945.
	AREA	8,726.	4,597.	41,641.
	TOTAL	9,340.	22,423.	42,586.
33 OTSEGO CO	POINT	18.	387.	39.
	AREA	4,275.	2,845.	20,950.
	TOTAL	4,293.	3,232.	20,989.
33 PUTNAM CO	POINT	123.	27.	4.
	AREA	4,753.	3,014.	24,417.
	TOTAL	4,876.	3,041.	24,421.
33 QUEENS CO	POINT	1,558.	51,524.	7,554.
	AREA	112,168.	43,180.	496,000.
	TOTAL	113,726.	94,704.	503,554.
33 RENSSELAER CO	POINT	1,613.	684.	65.
	AREA	11,051.	5,598.	56,500.
	TOTAL	12,664.	6,282.	56,565.
33 RICHMOND CO	POINT	1,064.	10,173.	614.
	AREA	16,911.	9,302.	99,675.
	TOTAL	17,975.	19,475.	100,289.
33 ROCKLAND CO	POINT	2,530.	28,047.	1,345.
	AREA	17,049.	7,308.	89,926.
	TOTAL	19,579.	35,355.	91,271.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
33 ST. LAWRENCE CO	POINT	204.	1,650.	150.
	AREA	8,184.	4,870.	44,639.
	TOTAL	8,388.	6,520.	44,789.
33 SARATOGA CO	POINT	948.	1,683.	166.
	AREA	9,402.	5,407.	46,451.
	TOTAL	10,350.	7,090.	46,617.
33 SCHENECTADY CO	POINT	617.	699.	64.
	AREA	9,857.	5,647.	61,477.
	TOTAL	10,474.	6,346.	61,541.
33 SCHOHARIE CO	POINT	2.	523.	4.
	AREA	1,994.	1,539.	10,299.
	TOTAL	1,996.	2,062.	10,303.
33 SCHUYLER CO	POINT	34.	634.	92.
	AREA	1,323.	973.	7,133.
	TOTAL	1,357.	1,607.	7,225.
33 SENECA CO	POINT	139.	172.	38.
	AREA	3,176.	1,532.	15,493.
	TOTAL	3,315.	1,704.	15,531.
33 STEUBEN CO	POINT	588.	3,220.	428.
	AREA	8,213.	4,847.	37,129.
	TOTAL	8,801.	8,067.	37,557.
33 SUFFOLK CO	POINT	4,160.	45,334.	4,684.
	AREA	88,045.	37,986.	458,439.
	TOTAL	92,205.	83,320.	463,123.
33 SULLIVAN CO	POINT	10.	109.	21.
	AREA	4,345.	3,187.	20,840.
	TOTAL	4,355.	3,296.	20,861.
33 TIOGA CO	POINT	251.	164.	17.
	AREA	3,378.	2,245.	17,935.
	TOTAL	3,629.	2,409.	17,952.
33 TOMPKINS CO	POINT	235.	7,716.	439.
	AREA	7,107.	3,354.	29,448.
	TOTAL	7,342.	11,070.	29,887.
33 ULSTER CO	POINT	102.	157.	35.
	AREA	11,199.	7,058.	58,319.
	TOTAL	11,301.	7,215.	58,354.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
33 WARREN CO	POINT	555.	244.	39.
	AREA	5,925.	2,727.	24,224.
	TOTAL	6,480.	2,971.	24,263.
33 WASHINGTON CO	POINT	20,013.	2,725.	240.
	AREA	5,912.	2,555.	19,900.
	TOTAL	25,925.	5,280.	20,140.
33 WAYNE CO	POINT	574.	643.	55.
	AREA	7,160.	4,363.	29,728.
	TOTAL	7,734.	5,006.	29,783.
33 WESTCHESTER CO	POINT	7,813.	2,288.	312.
	AREA	55,817.	28,670.	211,749.
	TOTAL	63,630.	30,958.	212,061.
33 WYOMING CO	POINT	198.	594.	31.
	AREA	3,489.	2,144.	14,765.
	TOTAL	3,687.	2,738.	14,796.
33 YATES CO	POINT	168.	4,474.	248.
	AREA	1,894.	1,261.	9,972.
	TOTAL	2,062.	5,735.	10,220.
34 ALAMANCE CO	POINT	40.	334.	37.
	AREA	12,673.	4,692.	47,025.
	TOTAL	12,713.	5,026.	47,062.
34 ALEXANDER CO	POINT	535.	32.	3.
	AREA	1,732.	1,019.	6,446.
	TOTAL	2,267.	1,051.	6,449.
34 ALLEGHANY CO	POINT	0.	0.	0.
	AREA	894.	576.	3,527.
	TOTAL	894.	576.	3,527.
34 ANSON CO	POINT	91.	15.	3.
	AREA	2,694.	1,399.	10,571.
	TOTAL	2,785.	1,414.	10,574.
34 ASHE CO	POINT	252.	131.	20.
	AREA	1,364.	982.	6,268.
	TOTAL	1,616.	1,113.	6,288.
34 AVERY CO	POINT	8.	51.	7.
	AREA	856.	710.	3,829.
	TOTAL	864.	761.	3,836.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
34 BEAUFORT CO	POINT	37.	1,135.	136.
	AREA	4,275.	2,196.	19,033.
	TOTAL	4,312.	3,331.	19,169.
34 BERTIE CO	POINT	198.	140.	1,024.
	AREA	2,220.	1,400.	10,646.
	TOTAL	2,418.	1,540.	11,670.
34 BLADEN CO	POINT	41.	85.	7.
	AREA	2,798.	1,708.	13,192.
	TOTAL	2,839.	1,793.	13,199.
34 BRUNSWICK CO	POINT	29,358.	3,542.	10,844.
	AREA	3,549.	2,336.	17,137.
	TOTAL	32,907.	5,878.	27,981.
34 BUNCOMBE CO	POINT	156.	13,267.	478.
	AREA	15,961.	6,699.	64,407.
	TOTAL	16,117.	19,966.	64,885.
34 BURKE CO	POINT	1,578.	636.	106.
	AREA	9,766.	3,766.	28,998.
	TOTAL	11,344.	4,402.	29,104.
34 CABARRUS CO	POINT	31.	1,069.	93.
	AREA	9,931.	4,388.	48,099.
	TOTAL	9,962.	5,457.	48,192.
34 CALDWELL CO	POINT	6,165.	440.	103.
	AREA	8,459.	2,567.	21,783.
	TOTAL	14,624.	3,007.	21,886.
34 CAMDEN CO	POINT	0.	0.	0.
	AREA	826.	420.	3,668.
	TOTAL	826.	420.	3,668.
34 CARTERET CO	POINT	0.	18.	1.
	AREA	5,151.	1,761.	20,352.
	TOTAL	5,151.	1,779.	20,353.
34 CASWELL CO	POINT	0.	0.	0.
	AREA	1,805.	1,079.	8,338.
	TOTAL	1,805.	1,079.	8,338.
34 CATAWBA CO	POINT	2,930.	33,809.	1,937.
	AREA	17,729.	5,712.	50,775.
	TOTAL	20,659.	39,521.	52,712.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
34 CHATHAM CO	POINT	843.	5,457.	1,806.
	AREA	3,892.	2,143.	16,189.
	TOTAL	4,735.	7,600.	17,995.
34 CHEROKEE CO	POINT	16.	74.	14.
	AREA	1,785.	980.	6,632.
	TOTAL	1,801.	1,054.	6,646.
34 CHOWAN CO	POINT	227.	56.	4.
	AREA	1,480.	764.	6,882.
	TOTAL	1,707.	820.	6,886.
34 CLAY CO	POINT	0.	0.	0.
	AREA	471.	287.	2,112.
	TOTAL	471.	287.	2,112.
34 CLEVELAND CO	POINT	3.	955.	53.
	AREA	7,993.	3,848.	30,360.
	TOTAL	7,996.	4,803.	30,413.
34 COLUMBUS CO	POINT	136.	407.	80.
	AREA	5,679.	2,834.	20,489.
	TOTAL	5,815.	3,241.	20,569.
34 CRAVEN CO	POINT	790.	1,700.	5,989.
	AREA	6,348.	2,905.	30,078.
	TOTAL	7,138.	4,605.	36,067.
34 CUMBERLAND CO	POINT	838.	781.	72.
	AREA	18,914.	8,221.	88,100.
	TOTAL	19,752.	9,002.	88,172.
34 CURRITUCK CO	POINT	0.	0.	0.
	AREA	1,262.	618.	5,191.
	TOTAL	1,262.	618.	5,191.
34 DARE CO	POINT	2.	249.	11.
	AREA	3,643.	759.	12,915.
	TOTAL	3,645.	1,008.	12,926.
34 DAVIDSON CO	POINT	503.	688.	114.
	AREA	11,927.	5,580.	49,120.
	TOTAL	12,430.	6,268.	49,234.
34 DAVIE CO	POINT	146.	163.	8.
	AREA	2,370.	1,351.	9,787.
	TOTAL	2,516.	1,514.	9,795.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
34 DUPLIN CO	POINT	42.	158.	14.
	AREA	4,161.	2,606.	19,843.
	TOTAL	4,203.	2,764.	19,857.
34 DURHAM CO	POINT	4,708.	677.	65.
	AREA	12,540.	5,348.	58,170.
	TOTAL	17,248.	6,025.	58,235.
34 EDGECOMBE CO	POINT	531.	87.	17.
	AREA	4,912.	2,605.	23,566.
	TOTAL	5,443.	2,692.	23,583.
34 FORSYTH CO	POINT	21,063.	1,710.	166.
	AREA	25,915.	11,469.	125,239.
	TOTAL	46,978.	13,179.	125,405.
34 FRANKLIN CO	POINT	122.	43.	459.
	AREA	2,947.	1,568.	12,955.
	TOTAL	3,069.	1,611.	13,414.
34 GASTON CO	POINT	493.	24,162.	1,489.
	AREA	19,330.	6,897.	69,758.
	TOTAL	19,823.	31,059.	71,247.
34 GATES CO	POINT	0.	0.	0.
	AREA	803.	605.	4,376.
	TOTAL	803.	605.	4,376.
34 GRAHAM CO	POINT	11.	60.	12.
	AREA	433.	316.	2,025.
	TOTAL	444.	376.	2,037.
34 GRANVILLE CO	POINT	281.	69.	6.
	AREA	4,340.	1,920.	18,688.
	TOTAL	4,621.	1,989.	18,694.
34 GREENE CO	POINT	0.	0.	0.
	AREA	1,469.	924.	6,915.
	TOTAL	1,469.	924.	6,915.
34 GUILFORD CO	POINT	14,565.	485.	493.
	AREA	38,545.	14,518.	159,009.
	TOTAL	53,110.	15,003.	159,502.
34 HALIFAX CO	POINT	331.	2,608.	10,413.
	AREA	5,597.	2,661.	24,214.
	TOTAL	5,928.	5,269.	34,627.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
34 HARNETT CO	POINT	16.	177.	16.
	AREA	4,960.	2,895.	24,129.
	TOTAL	4,976.	3,072.	24,145.
34 HAYWOOD CO	POINT	48.	4,702.	43,963.
	AREA	3,774.	2,325.	17,215.
	TOTAL	3,822.	7,027.	61,178.
34 HENDERSON CO	POINT	482.	201.	25.
	AREA	5,177.	2,715.	20,035.
	TOTAL	5,659.	2,916.	20,060.
34 HERTFORD CO	POINT	18.	1,336.	89.
	AREA	2,316.	1,258.	10,798.
	TOTAL	2,334.	2,594.	10,887.
34 HOKE CO	POINT	0.	45.	4.
	AREA	1,826.	877.	6,698.
	TOTAL	1,826.	922.	6,702.
34 HYDE CO	POINT	0.	0.	0.
	AREA	3,040.	516.	10,938.
	TOTAL	3,040.	516.	10,938.
34 IREDELL CO	POINT	1,356.	618.	202.
	AREA	10,319.	4,130.	39,436.
	TOTAL	11,675.	4,748.	39,638.
34 JACKSON CO	POINT	6.	30.	6.
	AREA	2,153.	1,304.	8,327.
	TOTAL	2,159.	1,334.	8,333.
34 JOHNSTON CO	POINT	717.	46.	3.
	AREA	7,819.	4,347.	36,350.
	TOTAL	8,536.	4,393.	36,353.
34 JONES CO	POINT	0.	0.	0.
	AREA	1,085.	761.	5,892.
	TOTAL	1,085.	761.	5,892.
34 LEE CO	POINT	328.	115.	24.
	AREA	4,211.	2,029.	17,259.
	TOTAL	4,539.	2,144.	17,283.
34 LENOIR CO	POINT	10.	62.	4.
	AREA	6,199.	2,767.	24,465.
	TOTAL	6,209.	2,829.	24,469.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
34 LINCOLN CO	POINT	178.	16.	5.
	AREA	3,255.	1,793.	12,207.
	TOTAL	3,433.	1,809.	12,212.
34 MC DOWELL CO	POINT	230.	409.	49.
	AREA	3,734.	1,790.	15,907.
	TOTAL	3,964.	2,199.	15,956.
34 MACON CO	POINT	15.	0.	0.
	AREA	1,405.	971.	6,220.
	TOTAL	1,420.	971.	6,220.
34 MADISON CO	POINT	2.	7.	1.
	AREA	1,062.	807.	5,165.
	TOTAL	1,064.	814.	5,166.
34 MARTIN CO	POINT	421.	3,624.	11,064.
	AREA	2,731.	1,450.	12,066.
	TOTAL	3,152.	5,074.	23,130.
34 MECKLENBURG CO	POINT	381.	54.	5,707.
	AREA	46,589.	23,521.	233,350.
	TOTAL	46,970.	23,575.	239,057.
34 MITCHELL CO	POINT	521.	13.	4.
	AREA	895.	695.	4,029.
	TOTAL	1,416.	708.	4,033.
34 MONTGOMERY CO	POINT	0.	20.	1.
	AREA	2,811.	1,297.	8,933.
	TOTAL	2,811.	1,317.	8,934.
34 MOORE CO	POINT	153.	67.	12.
	AREA	4,273.	2,299.	17,898.
	TOTAL	4,426.	2,366.	17,910.
34 NASH CO	POINT	283.	569.	59.
	AREA	8,481.	3,730.	34,932.
	TOTAL	8,764.	4,299.	34,991.
34 NEW HANOVER CO	POINT	8,423.	13,167.	870.
	AREA	10,149.	4,047.	40,589.
	TOTAL	18,572.	17,214.	41,459.
34 NORTHAMPTON CO	POINT	149.	281.	43.
	AREA	2,270.	1,491.	10,303.
	TOTAL	2,419.	1,772.	10,346.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
34 ONSLOW CO	POINT	0.	20.	2.
	AREA	7,670.	3,478.	34,177.
	TOTAL	7,670.	3,498.	34,179.
34 ORANGE CO	POINT	1,049.	188.	12.
	AREA	5,050.	2,587.	26,780.
	TOTAL	6,099.	2,775.	26,792.
34 PAMLICO CO	POINT	0.	0.	0.
	AREA	1,568.	552.	6,314.
	TOTAL	1,568.	552.	6,314.
34 PASQUOTANK CO	POINT	326.	230.	44.
	AREA	2,443.	1,377.	12,566.
	TOTAL	2,769.	1,607.	12,610.
34 PENDER CO	POINT	0.	4.	0.
	AREA	2,396.	1,441.	12,099.
	TOTAL	2,396.	1,445.	12,099.
34 PERQUIMANS CO	POINT	6.	0.	0.
	AREA	1,088.	639.	4,988.
	TOTAL	1,094.	639.	4,988.
34 PERSON CO	POINT	593.	34,578.	1,921.
	AREA	3,027.	1,281.	11,069.
	TOTAL	3,620.	35,859.	12,990.
34 PITT CO	POINT	172.	299.	23.
	AREA	7,111.	3,453.	34,626.
	TOTAL	7,283.	3,752.	34,649.
34 POLK CO	POINT	0.	0.	0.
	AREA	1,135.	670.	4,207.
	TOTAL	1,135.	670.	4,207.
34 RANDOLPH CO	POINT	846.	145.	19.
	AREA	11,132.	4,556.	35,004.
	TOTAL	11,978.	4,701.	35,023.
34 RICHMOND CO	POINT	0.	13.	73.
	AREA	4,423.	2,037.	18,927.
	TOTAL	4,423.	2,050.	19,000.
34 ROBESON CO	POINT	150.	2,706.	170.
	AREA	9,004.	4,768.	40,176.
	TOTAL	9,154.	7,474.	40,346.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
34 ROCKINGHAM CO	POINT	809.	5,129.	288.
	AREA	9,026.	4,014.	39,667.
	TOTAL	9,835.	9,143.	39,955.
34 ROWAN CO	POINT	137.	4,673.	263.
	AREA	9,338.	4,310.	40,623.
	TOTAL	9,475.	8,983.	40,886.
34 RUTHERFORD CO	POINT	385.	14,138.	794.
	AREA	5,693.	2,421.	21,118.
	TOTAL	6,078.	16,559.	21,912.
34 SAMPSON CO	POINT	95.	26.	11.
	AREA	5,200.	2,993.	23,070.
	TOTAL	5,295.	3,019.	23,081.
34 SCOTLAND CO	POINT	2,446.	195.	83.
	AREA	3,418.	1,457.	12,661.
	TOTAL	5,864.	1,652.	12,744.
34 STANLY CO	POINT	160.	386.	11,437.
	AREA	4,932.	2,653.	20,152.
	TOTAL	5,092.	3,039.	31,589.
34 STOKES CO	POINT	742.	44,554.	2,475.
	AREA	2,273.	1,448.	9,909.
	TOTAL	3,015.	46,002.	12,384.
34 SURRY CO	POINT	146.	77.	58.
	AREA	7,039.	3,096.	24,071.
	TOTAL	7,185.	3,173.	24,129.
34 SWAIN CO	POINT	471.	13.	3.
	AREA	836.	475.	2,876.
	TOTAL	1,307.	488.	2,879.
34 TRANSYLVANIA CO	POINT	0.	55.	2.
	AREA	3,126.	862.	6,019.
	TOTAL	3,126.	917.	6,021.
34 TYRRELL CO	POINT	3.	10.	15.
	AREA	1,211.	455.	5,673.
	TOTAL	1,214.	465.	5,688.
34 UNION CO	POINT	728.	53.	7.
	AREA	6,008.	3,298.	25,642.
	TOTAL	6,736.	3,351.	25,649.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
34 VANCE CO	POINT	0.	208.	4.
	AREA	4,304.	2,306.	22,123.
	TOTAL	4,304.	2,514.	22,127.
34 WAKE CO	POINT	941.	338.	54.
	AREA	26,500.	13,064.	135,744.
	TOTAL	27,441.	13,402.	135,798.
34 WARREN CO	POINT	0.	0.	0.
	AREA	1,753.	1,114.	8,392.
	TOTAL	1,753.	1,114.	8,392.
34 WASHINGTON CO	POINT	35.	172.	34.
	AREA	2,643.	894.	8,006.
	TOTAL	2,678.	1,066.	8,040.
34 WATAUGA CO	POINT	61.	140.	8.
	AREA	2,260.	1,313.	9,813.
	TOTAL	2,321.	1,453.	9,821.
34 WAYNE CO	POINT	131.	6,814.	1,616.
	AREA	9,244.	4,226.	36,845.
	TOTAL	9,375.	11,040.	38,461.
34 WILKES CO	POINT	313.	189.	84.
	AREA	4,464.	3,015.	19,818.
	TOTAL	4,777.	3,204.	19,902.
34 WILSON CO	POINT	65.	39.	6.
	AREA	8,643.	3,237.	34,184.
	TOTAL	8,708.	3,276.	34,190.
34 YADKIN CO	POINT	0.	4.	0.
	AREA	2,432.	1,623.	10,801.
	TOTAL	2,432.	1,627.	10,801.
34 YANCEY CO	POINT	0.	30.	2.
	AREA	1,022.	867.	4,923.
	TOTAL	1,022.	897.	4,925.
35 ADAMS CO	POINT	0.	0.	0.
	AREA	349.	427.	2,218.
	TOTAL	349.	427.	2,218.
35 BARNES CO	POINT	10.	150.	22.
	AREA	1,665.	1,470.	10,942.
	TOTAL	1,675.	1,620.	10,964.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
35 BENSON CO	POINT	0.	0.	0.
	AREA	779.	910.	4,897.
	TOTAL	779.	910.	4,897.
35 BILLINGS CO	POINT	0.	0.	0.
	AREA	233.	244.	1,576.
	TOTAL	233.	244.	1,576.
35 BOTTINEAU CO	POINT	0.	4.	0.
	AREA	951.	1,024.	6,266.
	TOTAL	951.	1,028.	6,266.
35 BOWMAN CO	POINT	4.	53.	9.
	AREA	409.	558.	2,709.
	TOTAL	413.	611.	2,718.
35 BURKE CO	POINT	0.	0.	0.
	AREA	451.	540.	2,980.
	TOTAL	451.	540.	2,980.
35 BURLEIGH CO	POINT	0.	26.	2.
	AREA	4,205.	3,230.	23,307.
	TOTAL	4,205.	3,256.	23,309.
35 CASS CO	POINT	17.	216.	193.
	AREA	7,671.	5,656.	41,310.
	TOTAL	7,688.	5,872.	41,503.
35 CAVALIER CO	POINT	0.	0.	0.
	AREA	770.	1,206.	4,888.
	TOTAL	770.	1,206.	4,888.
35 DICKEY CO	POINT	0.	0.	0.
	AREA	624.	763.	4,002.
	TOTAL	624.	763.	4,002.
35 DIVIDE CO	POINT	0.	0.	0.
	AREA	415.	505.	2,812.
	TOTAL	415.	505.	2,812.
35 DUNN CO	POINT	0.	0.	0.
	AREA	538.	576.	3,593.
	TOTAL	538.	576.	3,593.
35 EDDY CO	POINT	0.	0.	0.
	AREA	358.	388.	2,161.
	TOTAL	358.	388.	2,161.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
35 EMMONS CO	POINT	0.	0.	0.
	AREA	613.	734.	4,207.
	TOTAL	613.	734.	4,207.
35 FOSTER CO	POINT	0.	0.	0.
	AREA	438.	505.	2,511.
	TOTAL	438.	505.	2,511.
35 GOLDEN VALLEY CO	POINT	0.	0.	0.
	AREA	277.	368.	1,897.
	TOTAL	277.	368.	1,897.
35 GRAND FORKS CO	POINT	27.	244.	57.
	AREA	4,806.	3,850.	27,613.
	TOTAL	4,833.	4,094.	27,670.
35 GRANT CO	POINT	0.	0.	0.
	AREA	461.	597.	3,384.
	TOTAL	461.	597.	3,384.
35 GRIGGS CO	POINT	0.	0.	0.
	AREA	429.	478.	2,690.
	TOTAL	429.	478.	2,690.
35 HETTINGER CO	POINT	0.	0.	0.
	AREA	418.	540.	2,895.
	TOTAL	418.	540.	2,895.
35 KIDDER CO	POINT	0.	0.	0.
	AREA	664.	667.	4,172.
	TOTAL	664.	667.	4,172.
35 LA MOURE CO	POINT	0.	0.	0.
	AREA	738.	862.	4,754.
	TOTAL	738.	862.	4,754.
35 LOGAN CO	POINT	0.	0.	0.
	AREA	391.	469.	2,750.
	TOTAL	391.	469.	2,750.
35 MC HENRY CO	POINT	30.	1,836.	102.
	AREA	892.	1,034.	5,850.
	TOTAL	922.	2,870.	5,952.
35 MC INTOSH CO	POINT	0.	0.	0.
	AREA	522.	664.	3,307.
	TOTAL	522.	664.	3,307.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
35 MC KENZIE CO	POINT	18.	55.	6.
	AREA	842.	965.	5,743.
	TOTAL	860.	1,020.	5,749.
35 MC LEAN CO	POINT	0.	0.	0.
	AREA	1,180.	1,188.	6,658.
	TOTAL	1,180.	1,188.	6,658.
35 MERCER CO	POINT	760.	32,620.	2,520.
	AREA	597.	651.	3,502.
	TOTAL	1,357.	33,271.	6,022.
35 MORTON CO	POINT	1,609.	1,325.	145.
	AREA	2,306.	1,980.	13,353.
	TOTAL	3,915.	3,305.	13,498.
35 MOUNTRAIL CO	POINT	0.	0.	0.
	AREA	819.	879.	4,927.
	TOTAL	819.	879.	4,927.
35 NELSON CO	POINT	0.	0.	0.
	AREA	612.	703.	3,850.
	TOTAL	612.	703.	3,850.
35 OLIVER CO	POINT	221.	12,583.	739.
	AREA	840.	364.	3,832.
	TOTAL	1,061.	12,947.	4,571.
35 PEMBINA CO	POINT	31.	133.	78.
	AREA	1,106.	1,139.	5,515.
	TOTAL	1,137.	1,272.	5,593.
35 PIERCE CO	POINT	0.	0.	0.
	AREA	675.	639.	4,396.
	TOTAL	675.	639.	4,396.
35 RAMSEY CO	POINT	0.	4.	0.
	AREA	1,344.	1,198.	8,387.
	TOTAL	1,344.	1,202.	8,387.
35 RANSOM CO	POINT	0.	0.	0.
	AREA	592.	693.	3,655.
	TOTAL	592.	693.	3,655.
35 RENVILLE CO	POINT	0.	0.	0.
	AREA	363.	443.	2,400.
	TOTAL	363.	443.	2,400.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
35 RICHLAND CO	POINT	18.	316.	36.
	AREA	1,708.	1,841.	8,801.
	TOTAL	1,726.	2,157.	8,837.
35 ROLETTE CO	POINT	2.	16.	5.
	AREA	902.	792.	5,424.
	TOTAL	904.	808.	5,429.
35 SARGENT CO	POINT	0.	0.	0.
	AREA	1,033.	697.	3,464.
	TOTAL	1,033.	697.	3,464.
35 SHERIDAN CO	POINT	0.	0.	0.
	AREA	390.	415.	2,381.
	TOTAL	390.	415.	2,381.
35 SIOUX CO	POINT	0.	0.	0.
	AREA	302.	295.	1,770.
	TOTAL	302.	295.	1,770.
35 SLOPE CO	POINT	0.	0.	0.
	AREA	205.	228.	1,467.
	TOTAL	205.	228.	1,467.
35 STARK CO	POINT	169.	342.	42.
	AREA	1,517.	1,532.	6,937.
	TOTAL	1,686.	1,874.	6,979.
35 STEELE CO	POINT	0.	0.	0.
	AREA	350.	448.	2,466.
	TOTAL	350.	448.	2,466.
35 STUTSMAN CO	POINT	31.	269.	71.
	AREA	2,757.	2,015.	15,893.
	TOTAL	2,788.	2,284.	15,964.
35 TOWNER CO	POINT	0.	28.	2.
	AREA	408.	539.	2,821.
	TOTAL	408.	567.	2,823.
35 TRAILL CO	POINT	4.	248.	20.
	AREA	935.	1,061.	5,315.
	TOTAL	939.	1,309.	5,335.
35 WALSH CO	POINT	0.	0.	0.
	AREA	1,485.	1,492.	9,417.
	TOTAL	1,485.	1,492.	9,417.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
35 WARD CO	POINT	2.	37.	6.
	AREA	4,456.	3,686.	24,178.
	TOTAL	4,458.	3,723.	24,184.
35 WELLS CO	POINT	0.	0.	0.
	AREA	694.	848.	4,513.
	TOTAL	694.	848.	4,513.
35 WILLIAMS CO	POINT	394.	479.	55.
	AREA	1,897.	1,738.	11,590.
	TOTAL	2,291.	2,217.	11,645.
36 ADAMS CO	POINT	837.	50,091.	2,785.
	AREA	2,154.	1,693.	10,451.
	TOTAL	2,991.	51,784.	13,236.
36 ALLEN CO	POINT	409.	2,122.	58.
	AREA	14,527.	6,427.	63,682.
	TOTAL	14,936.	8,549.	63,740.
36 ASHLAND CO	POINT	0.	0.	189.
	AREA	8,080.	2,811.	20,980.
	TOTAL	8,080.	2,811.	21,169.
36 ASHTABULA CO	POINT	1,121.	9,374.	541.
	AREA	13,245.	5,438.	42,078.
	TOTAL	14,366.	14,812.	42,619.
36 ATHENS CO	POINT	105.	5,766.	337.
	AREA	3,745.	2,232.	19,928.
	TOTAL	3,850.	7,998.	20,265.
36 AUGLAIZE CO	POINT	393.	291.	594.
	AREA	4,924.	2,568.	20,947.
	TOTAL	5,317.	2,859.	21,541.
36 BELMONT CO	POINT	250.	13,085.	1,416.
	AREA	6,941.	3,648.	33,239.
	TOTAL	7,191.	16,733.	34,655.
36 BROWN CO	POINT	0.	0.	0.
	AREA	2,594.	1,987.	13,838.
	TOTAL	2,594.	1,987.	13,838.
36 BUTLER CO	POINT	1,669.	8,078.	3,877.
	AREA	20,312.	9,389.	92,753.
	TOTAL	21,981.	17,467.	96,630.

	TYPE OF		COMPUTED EMISSIONS	*
STATE AND COUNTY	EMISSIONS	HC	NOX	CO
36 CARROLL CO	POINT	0.	0.	0.
	AREA	2,455.	1,290.	9,329.
	TOTAL	2,455.	1,290.	9,329.
36 CHAMPAIGN CO	POINT	17.	108.	14.
	AREA	3,842.	2,008.	14,174.
	TOTAL	3,859.	2,116.	14,188.
36 CLARK CO	POINT	1,103.	1,424.	233.
	AREA	17,736.	8,388.	71,994.
	TOTAL	18,839.	9,812.	72,227.
36 CLERMONT CO	POINT	424.	24,157.	1,400.
	AREA	6,595.	4,468.	31,270.
	TOTAL	7,019.	28,625.	32,670.
36 CLINTON CO	POINT	6.	0.	277.
	AREA	4,878.	2,391.	18,293.
	TOTAL	4,884.	2,391.	18,570.
36 COLUMBIANA CO	POINT	434.	200.	6,881.
	AREA	12,587.	6,231.	53,763.
	TOTAL	13,021.	6,431.	60,644.
36 COSHOCTON CO	POINT	4,647.	45,780.	8,516.
	AREA	4,679.	2,195.	18,462.
	TOTAL	9,326.	47,975.	26,978.
36 CRAWFORD CO	POINT	5.	51.	1.
	AREA	7,721.	3,072.	26,571.
	TOTAL	7,726.	3,123.	26,572.
36 CUYAHOGA CO	POINT	106,648.	30,243.	49,418.
	AREA	167,712.	59,793.	654,847.
	TOTAL	274,360.	90,036.	704,265.
36 DARKE CO	POINT	470.	27.	16.
	AREA	5,116.	3,445.	22,213.
	TOTAL	5,586.	3,472.	22,229.
36 DEFIANCE CO	POINT	1.	57.	5,680.
	AREA	4,409.	2,754.	21,571.
	TOTAL	4,410.	2,811.	27,251.
36 DELAWARE CO	POINT	1.	22.	3.
	AREA	5,410.	2,886.	22,707.
	TOTAL	5,411.	2,908.	22,710.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
36 ERIE CO	POINT	5,640.	764.	1,173.
	AREA	11,932.	4,254.	44,523.
	TOTAL	17,572.	5,018.	45,696.
36 FAIRFIELD CO	POINT	124.	405.	457.
	AREA	9,482.	5,032.	38,649.
	TOTAL	9,606.	5,437.	39,106.
36 FAYETTE CO	POINT	0.	0.	0.
	AREA	2,901.	1,604.	12,189.
	TOTAL	2,901.	1,604.	12,189.
36 FRANKLIN CO	POINT	793.	2,684.	1,789.
	AREA	74,928.	33,385.	368,298.
	TOTAL	75,721.	36,069.	370,087.
36 FULTON CO	POINT	0.	0.	427.
	AREA	6,067.	3,044.	22,020.
	TOTAL	6,067.	3,044.	22,447.
36 GALLIA CO	POINT	1,608.	115,867.	5,364.
	AREA	2,247.	1,671.	11,387.
	TOTAL	3,855.	117,538.	16,751.
36 GEAUGA CO	POINT	4.	64.	8.
	AREA	7,371.	3,239.	17,079.
	TOTAL	7,375.	3,303.	17,087.
36 GREENE CO	POINT	144.	2,590.	121.
	AREA	10,196.	5,105.	54,531.
	TOTAL	10,340.	7,695.	54,652.
36 GUERNSEY CO	POINT	859.	309.	46.
	AREA	4,916.	2,341.	16,808.
	TOTAL	5,775.	2,650.	16,854.
36 HAMILTON CO	POINT	20,903.	29,113.	8,950.
	AREA	95,515.	35,096.	400,663.
	TOTAL	116,418.	64,209.	409,613.
36 HANCOCK CO	POINT	99.	280.	26.
	AREA	9,018.	3,654.	35,524.
	TOTAL	9,117.	3,934.	35,550.
36 HARDIN CO	POINT	0.	0.	0.
	AREA	4,033.	2,051.	15,742.
	TOTAL	4,033.	2,051.	15,742.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS * HC	NOX	CO
36 HARRISON CO	POINT	2.	4.	6.
	AREA	2,317.	1,413.	9,721.
	TOTAL	2,319.	1,417.	9,727.
36 HENRY CO	POINT	224.	688.	149.
	AREA	3,529.	2,117.	14,693.
	TOTAL	3,753.	2,805.	14,842.
36 HIGHLAND CO	POINT	0.	0.	0.
	AREA	4,044.	2,179.	16,634.
	TOTAL	4,044.	2,179.	16,634.
36 HOCKING CO	POINT	0.	0.	0.
	AREA	2,963.	1,262.	9,268.
	TOTAL	2,963.	1,262.	9,268.
36 HOLMES CO	POINT	1.	18.	2.
	AREA	3,044.	1,443.	8,675.
	TOTAL	3,045.	1,461.	8,677.
36 HURON CO	POINT	343.	159.	42.
	AREA	8,637.	4,025.	30,672.
	TOTAL	8,980.	4,184.	30,714.
36 JACKSON CO	POINT	146.	502.	1,239.
	AREA	3,692.	1,574.	13,445.
	TOTAL	3,838.	2,076.	14,684.
36 JEFFERSON CO	POINT	1,055.	63,702.	26,383.
	AREA	7,257.	4,522.	39,858.
	TOTAL	8,312.	68,224.	66,241.
36 KNOX CO	POINT	1,528.	44.	192.
	AREA	4,410.	2,655.	20,041.
	TOTAL	5,938.	2,699.	20,233.
36 LAKE CO	POINT	7,978.	4,414.	333.
	AREA	21,053.	7,858.	78,928.
	TOTAL	29,031.	12,272.	79,261.
36 LAWRENCE CO	POINT	1,777.	23,817.	12,115.
	AREA	4,788.	2,813.	26,755.
	TOTAL	6,565.	26,630.	38,870.
36 LICKING CO	POINT	347.	292.	515.
	AREA	11,763.	5,577.	48,103.
	TOTAL	12,110.	5,869.	48,618.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
36 LOGAN CO	POINT	17.	0.	4,240.
	AREA	5,447.	2,680.	21,265.
	TOTAL	5,464.	2,680.	25,505.
36 LORAIN CO	POINT	474.	25,646.	1,557.
	AREA	27,470.	10,469.	104,657.
	TOTAL	27,944.	36,115.	106,214.
36 LUCAS CO	POINT	21,842.	28,260.	20,674.
	AREA	51,088.	19,980.	223,963.
	TOTAL	72,930.	48,240.	244,637.
36 MADISON CO	POINT	12.	201.	25.
	AREA	3,444.	2,238.	15,040.
	TOTAL	3,456.	2,439.	15,065.
36 MAHONING CO	POINT	4,638.	7,298.	26,698.
	AREA	26,081.	12,232.	131,068.
	TOTAL	30,719.	19,530.	157,766.
36 MARION CO	POINT	619.	367.	940.
	AREA	7,496.	3,426.	28,701.
	TOTAL	8,115.	3,793.	29,641.
36 MEDINA CO	POINT	691.	49.	541.
	AREA	7,816.	4,779.	33,804.
	TOTAL	8,507.	4,828.	34,345.
36 MEIGS CO	POINT	25.	3.	112.
	AREA	1,622.	1,225.	8,255.
	TOTAL	1,647.	1,228.	8,367.
36 MERCER CO	POINT	478.	49.	779.
	AREA	4,822.	2,660.	21,505.
	TOTAL	5,300.	2,709.	22,284.
36 MIAMI CO	POINT	1,045.	893.	457.
	AREA	11,400.	4,890.	41,795.
	TOTAL	12,445.	5,783.	42,252.
36 MONROE CO	POINT	26.	158.	24.
	AREA	1,156.	1,024.	6,694.
	TOTAL	1,182.	1,182.	6,718.
36 MONTGOMERY CO	POINT	19,638.	13,767.	7,370.
	AREA	71,892.	24,158.	274,882.
	TOTAL	91,530.	37,925.	282,252.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
36 MORGAN CO	POINT	0.	0.	0.
	AREA	1,485.	811.	4,606.
	TOTAL	1,485.	811.	4,606.
36 MORROW CO	POINT	0.	0.	0.
	AREA	2,175.	1,421.	8,282.
	TOTAL	2,175.	1,421.	8,282.
36 MUSKINGUM CO	POINT	101.	1,924.	3,972.
	AREA	9,021.	4,995.	40,397.
	TOTAL	9,122.	6,919.	44,369.
36 NOBLE CC	POINT	0.	0.	0.
	AREA	1,415.	663.	4,672.
	TOTAL	1,415.	663.	4,672.
36 OTTAWA CO	POINT	8.	258.	28.
	AREA	4,426.	2,592.	18,822.
	TOTAL	4,434.	2,850.	18,850.
36 PAULDING CO	POINT	98.	572.	0.
	AREA	2,121.	1,431.	9,031.
	TOTAL	2,219.	2,003.	9,031.
36 PERRY CO	POINT	109.	1.	2.
	AREA	2,480.	1,735.	11,621.
	TOTAL	2,589.	1,736.	11,623.
36 PICKAWAY CO	POINT	153.	3,851.	256.
	AREA	5,509.	2,416.	15,119.
	TOTAL	5,662.	6,267.	15,375.
36 PIKE CO	POINT	66.	1,029.	135.
	AREA	1,722.	1,133.	8,678.
	TOTAL	1,788.	2,162.	8,813.
36 PORTAGE CO	POINT	1,744.	15.	1,814.
	AREA	14,736.	5,854.	50,276.
	TOTAL	16,480.	5,869.	52,090.
36 PREBLE CO	POINT	1.	6.	1.
	AREA	4,281.	2,615.	15,641.
	TOTAL	4,282.	2,621.	15,642.
36 PUTNAM CO	POINT	12.	191.	25.
	AREA	3,596.	2,535.	16,173.
	TOTAL	3,608.	2,726.	16,198.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
36 RICHLAND CO	POINT	1,047.	1,002.	6,384.
	AREA	14,314.	7,077.	66,785.
	TOTAL	15,361.	8,079.	73,169.
36 ROSS CO	POINT	282.	6,657.	6,870.
	AREA	5,958.	3,328.	29,627.
	TOTAL	6,240.	9,985.	36,497.
36 SANDUSKY CO	POINT	3,869.	2,102.	163.
	AREA	7,779.	3,491.	31,529.
	TOTAL	11,648.	5,593.	31,692.
36 SCIOTO CO	POINT	1,056.	5,565.	1,480.
	AREA	6,436.	3,929.	35,170.
	TOTAL	7,492.	9,494.	36,650.
36 SENECA CO	POINT	742.	1,327.	1,330.
	AREA	7,097.	3,808.	32,928.
	TOTAL	7,839.	5,135.	34,258.
36 SHELBY CO	POINT	395.	3,006.	3,894.
	AREA	5,991.	2,623.	20,724.
	TOTAL	6,386.	5,629.	24,618.
36 STARK CO	POINT	5,750.	24,723.	38,851.
	AREA	42,260.	19,217.	198,602.
	TOTAL	48,010.	43,940.	237,453.
36 SUMMIT CO	POINT	25,145.	21,904.	1,146.
	AREA	60,046.	23,838.	258,315.
	TOTAL	85,191.	45,742.	259,461.
36 TRUMBULL CO	POINT	4,260.	15,241.	15,638.
	AREA	31,804.	12,299.	118,286.
	TOTAL	36,064.	27,540.	133,924.
36 TUSCARAWAS CO	POINT	1,616.	693.	117.
	AREA	9,294.	4,914.	43,811.
	TOTAL	10,910.	5,607.	43,928.
36 UNION CO	POINT	3.	26.	3.
	AREA	3,308.	1,802.	11,390.
	TOTAL	3,311.	1,828.	11,393.
36 VAN WERT CO	POINT	0.	0.	0.
	AREA	3,732.	1,812.	14,205.
	TOTAL	3,732.	1,812.	14,205.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
36 VINTON CO	POINT	243.	163.	725.
	AREA	934.	656.	4,257.
	TOTAL	1,177.	819.	4,982.
36 WARREN CO	POINT	1,036.	235.	16.
	AREA	8,052.	4,395.	36,187.
	TOTAL	9,088.	4,630.	36,203.
36 WASHINGTON CO	POINT	32,840.	79,808.	92,838.
	AREA	6,586.	3,552.	27,502.
	TOTAL	39,426.	83,360.	120,340.
36 WAYNE CO	POINT	356.	2,738.	335.
	AREA	12,686.	5,824.	42,665.
	TOTAL	13,042.	8,562.	43,000.
36 WILLIAMS CO	POINT	2.	54.	3.
	AREA	6,099.	2,475.	17,815.
	TOTAL	6,101.	2,529.	17,818.
36 WOOD CO	POINT	72.	476.	38.
	AREA	11,941.	4,806.	37,844.
	TOTAL	12,013.	5,282.	37,882.
36 WYANDOT CO	POINT	0.	1.	2.
	AREA	3,921.	1,714.	12,966.
	TOTAL	3,921.	1,715.	12,968.
37 ADAIR CO	POINT	0.	0.	0.
	AREA	1,579.	1,247.	8,339.
	TOTAL	1,579.	1,247.	8,339.
37 ALFALFA CO	POINT	0.	0.	0.
	AREA	1,176.	847.	6,055.
	TOTAL	1,176.	847.	6,055.
37 ATOKA CO	POINT	0.	0.	0.
	AREA	1,054.	700.	5,806.
	TOTAL	1,054.	700.	5,806.
37 BEAVER CO	POINT	0.	6.	1.
	AREA	1,051.	720.	5,881.
	TOTAL	1,051.	726.	5,882.
37 BECKHAM CO	POINT	1.	72.	6.
	AREA	1,997.	1,186.	11,970.
	TOTAL	1,998.	1,258.	11,976.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
37 BLAINE CO	POINT	0.	2.	0.
	AREA	1,685.	1,176.	9,653.
	TOTAL	1,685.	1,178.	9,653.
37 BRYAN CO	POINT	0.	0.	0.
	AREA	3,468.	2,001.	17,695.
	TOTAL	3,468.	2,001.	17,695.
37 CADDO CO	POINT	2,440.	9,936.	13,108.
	AREA	3,277.	2,588.	18,758.
	TOTAL	5,717.	12,524.	31,866.
37 CANADIAN CO	POINT	38.	8,682.	277.
	AREA	5,109.	2,935.	31,807.
	TOTAL	5,147.	11,617.	32,084.
37 CARTER CO	POINT	16,070.	1,346.	141.
	AREA	6,293.	3,423.	25,028.
	TOTAL	22,363.	4,769.	25,169.
37 CHEROKEE CO	POINT	0.	0.	0.
	AREA	2,155.	1,517.	12,830.
	TOTAL	2,155.	1,517.	12,830.
37 CHOCTAW CO	POINT	0.	0.	0.
	AREA	1,327.	886.	7,745.
	TOTAL	1,327.	886.	7,745.
37 CIMARRON CO	POINT	0.	0.	0.
	AREA	723.	456.	4,136.
	TOTAL	723.	456.	4,136.
37 CLEVELAND CO	POINT	0.	18.	1.
	AREA	8,280.	5,278.	51,025.
	TOTAL	8,280.	5,296.	51,026.
37 COAL CO	POINT	0.	0.	0.
	AREA	584.	504.	3,213.
	TOTAL	584.	504.	3,213.
37 COMANCHE CO	POINT	5.	2,015.	96.
	AREA	9,672.	5,903.	52,976.
	TOTAL	9,677.	7,918.	53,072.
37 COTTON CO	POINT	0.	0.	0.
	AREA	1,009.	667.	5,725.
	TOTAL	1,009.	667.	5,725.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
37 CRAIG CO	POINT	0.	0.	0.
	AREA	1,798.	1,194.	9,585.
	TOTAL	1,798.	1,194.	9,585.
37 CREEK CO	POINT	3.	47.	15.
	AREA	5,484.	4,104.	29,588.
	TOTAL	5,487.	4,151.	29,603.
37 CUSTER CO	POINT	4.	4.	1.
	AREA	2,801.	1,619.	16,324.
	TOTAL	2,805.	1,623.	16,325.
37 DELAWARE CO	POINT	0.	0.	0.
	AREA	2,647.	1,799.	12,872.
	TOTAL	2,647.	1,799.	12,872.
37 DEWEY CO	POINT	0.	7.	0.
	AREA	872.	703.	4,807.
	TOTAL	872.	710.	4,807.
37 ELLIS CO	POINT	0.	0.	0.
	AREA	767.	568.	4,316.
	TOTAL	767.	568.	4,316.
37 GARFIELD CO	POINT	10,020.	2,599.	41,210.
	AREA	6,630.	4,642.	36,668.
	TOTAL	16,650.	7,241.	77,878.
37 GARVIN CO	POINT	4,035.	1,412.	103.
	AREA	3,003.	2,077.	16,592.
	TOTAL	7,038.	3,489.	16,695.
37 GRADY CO	POINT	0.	12.	1.
	AREA	4,409.	2,648.	21,971.
	TOTAL	4,409.	2,660.	21,972.
37 GRANT CO	POINT	0.	0.	0.
	AREA	1,032.	905.	6,076.
	TOTAL	1,032.	905.	6,076.
37 GREER CO	POINT	0.	0.	0.
	AREA	1,039.	695.	7,497.
	TOTAL	1,039.	695.	7,497.
37 HARMON CO	POINT	0.	0.	0.
	AREA	1,140.	666.	9,392.
	TOTAL	1,140.	666.	9,392.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
37 HARPER CO	POINT	1.	115.	10.
	AREA	778.	588.	4,259.
	TOTAL	779.	703.	4,269.
37 HASKELL CO	POINT	0.	0.	0.
	AREA	898.	696.	4,527.
	TOTAL	898.	696.	4,527.
37 HUGHES CO	POINT	0.	0.	0.
	AREA	1,507.	1,018.	8,430.
	TOTAL	1,507.	1,018.	8,430.
37 JACKSON CO	POINT	0.	0.	0.
	AREA	2,665.	1,739.	16,819.
	TOTAL	2,665.	1,739.	16,819.
37 JEFFERSON CO	POINT	0.	0.	0.
	AREA	915.	734.	4,554.
	TOTAL	915.	734.	4,554.
37 JOHNSTON CO	POINT	13.	6.	0.
	AREA	948.	550.	5,011.
	TOTAL	961.	556.	5,011.
37 KAY CO	POINT	16,066.	2,197.	101,230.
	AREA	5,752.	3,143.	30,019.
	TOTAL	21,818.	5,340.	131,249.
37 KINGFISHER CO	POINT	29.	2,060.	193.
	AREA	1,662.	1,262.	10,302.
	TOTAL	1,691.	3,322.	10,495.
37 KIOWA CO	POINT	0.	0.	0.
	AREA	1,664.	1,123.	9,509.
	TOTAL	1,664.	1,123.	9,509.
37 LATIMER CO	POINT	0.	0.	0.
	AREA	1,325.	722.	7,011.
	TOTAL	1,325.	722.	7,011.
37 LE FLORE CO	POINT	476.	0.	1,524.
	AREA	3,741.	2,541.	21,213.
	TOTAL	4,217.	2,541.	22,737.
37 LINCOLN CO	POINT	1,906.	120.	2.
	AREA	2,402.	1,749.	12,888.
	TOTAL	4,308.	1,869.	12,890.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
37 LOGAN CO	POINT	0.	15.	0.
	AREA	2,830.	1,650.	13,843.
	TOTAL	2,830.	1,665.	13,843.
37 LOVE CO	POINT	0.	0.	0.
	AREA	954.	594.	4,045.
	TOTAL	954.	594.	4,045.
37 MC CLAIN CO	POINT	0.	23.	2.
	AREA	1,765.	1,357.	9,733.
	TOTAL	1,765.	1,380.	9,735.
37 MC CURTAIN CO	POINT	0.	0.	0.
	AREA	3,892.	2,338.	17,840.
	TOTAL	3,892.	2,338.	17,840.
37 MC INTOSH CO	POINT	0.	0.	0.
	AREA	2,429.	1,035.	10,651.
	TOTAL	2,429.	1,035.	10,651.
37 MAJOR CO	POINT	0.	41.	3.
	AREA	1,213.	796.	6,853.
	TOTAL	1,213.	837.	6,856.
37 MARSHALL CO	POINT	0.	45.	4.
	AREA	1,634.	706.	7,315.
	TOTAL	1,634.	751.	7,319.
37 MAYES CO	POINT	1.	839.	15.
	AREA	2,990.	2,212.	15,671.
	TOTAL	2,991.	3,051.	15,686.
37 MURRAY CO	POINT	2.	1,434.	34.
	AREA	1,240.	793.	6,983.
	TOTAL	1,242.	2,227.	7,017.
37 MUSKOGEE CO	POINT	83.	8,121.	316.
	AREA	6,835.	4,393.	37,867.
	TOTAL	6,918.	12,514.	38,183.
37 NOBLE CO	POINT	0.	0.	0.
	AREA	1,486.	864.	8,159.
	TOTAL	1,486.	864.	8,159.
37 NOWATA CO	POINT	0.	0.	0.
	AREA	1,252.	915.	7,582.
	TOTAL	1,252.	915.	7,582.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
37 OKFUSKEE CO	POINT	0.	115.	3.
	AREA	1,155.	790.	5,881.
	TOTAL	1,155.	905.	5,884.
37 OKLAHOMA CO	POINT	4,379.	11,268.	305.
	AREA	60,100.	32,029.	338,916.
	TOTAL	64,479.	43,297.	339,221.
37 OKMULGEE CO	POINT	7,300.	212.	28,729.
	AREA	3,453.	2,306.	20,167.
	TOTAL	10,753.	2,518.	48,896.
37 OSAGE CO	POINT	58.	463.	13.
	AREA	6,321.	3,577.	27,327.
	TOTAL	6,379.	4,040.	27,340.
37 OTTAWA CO	POINT	1.	141.	5.
	AREA	3,667.	2,340.	19,436.
	TOTAL	3,668.	2,481.	19,441.
37 PAWNEE CO	POINT	0.	0.	0.
	AREA	1,772.	1,107.	9,179.
	TOTAL	1,772.	1,107.	9,179.
37 PAYNE CO	POINT	6,330.	870.	28,211.
	AREA	4,616.	2,761.	24,409.
	TOTAL	10,946.	3,631.	52,620.
37 PITTSBURG CO	POINT	12.	39.	35.
	AREA	4,874.	2,232.	22,787.
	TOTAL	4,886.	2,271.	22,822.
37 PONTOTOC CO	POINT	3,174.	54.	0.
	AREA	3,320.	2,308.	17,901.
	TOTAL	6,494.	2,362.	17,901.
37 POTTAWATOMIE CO	POINT	0.	0.	0.
	AREA	5,584.	3,424.	32,453.
	TOTAL	5,584.	3,424.	32,453.
37 PUSHMATAHA CO	POINT	0.	0.	0.
	AREA	1,700.	768.	9,875.
	TOTAL	1,700.	768.	9,875.
37 ROGER MILLS CO	POINT	0.	0.	0.
	AREA	595.	465.	3,673.
	TOTAL	595.	465.	3,673.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
37 ROGERS CO	POINT	15.	6,919.	256.
	AREA	3,977.	2,815.	21,922.
	TOTAL	3,992.	9,734.	22,178.
37 SEMINOLE CO	POINT	41.	28,543.	694.
	AREA	2,943.	1,815.	16,141.
	TOTAL	2,984.	30,358.	16,835.
37 SEQUOYAH CO	POINT	0.	165.	4.
	AREA	2,950.	1,915.	14,444.
	TOTAL	2,950.	2,080.	14,448.
37 STEPHENS CO	POINT	18,151.	1,601.	24,260.
	AREA	5,058.	2,885.	28,557.
	TOTAL	23,209.	4,486.	52,817.
37 TEXAS CO	POINT	2.	177.	15.
	AREA	2,484.	1,602.	15,045.
	TOTAL	2,486.	1,779.	15,060.
37 TILLMAN CO	POINT	0.	0.	0.
	AREA	1,528.	942.	7,915.
	TOTAL	1,528.	942.	7,915.
37 TULSA CO	POINT	3,846.	19,924.	66,321.
	AREA	52,885.	27,215.	261,481.
	TOTAL	56,731.	47,139.	327,802.
37 WAGONER CO	POINT	0.	0.	0.
	AREA	2,598.	1,696.	13,400.
	TOTAL	2,598.	1,696.	13,400.
37 WASHINGTON CO	POINT	0.	0.	0.
	AREA	5,244.	2,609.	25,091.
	TOTAL	5,244.	2,609.	25,091.
37 WASHITA CO	POINT	0.	0.	0.
	AREA	1,582.	1,196.	9,225.
	TOTAL	1,582.	1,196.	9,225.
37 WOODS CO	POINT	0.	0.	0.
	AREA	1,434.	894.	9,175.
	TOTAL	1,434.	894.	9,175.
37 WOODWARD CO	POINT	8.	5,953.	144.
	AREA	2,118.	1,315.	12,191.
	TOTAL	2,126.	7,268.	12,335.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
38 BAKER CO	POINT	101.	1,490.	121.
	AREA	2,103.	1,223.	13,162.
	TOTAL	2,204.	2,713.	13,283.
38 BENTON CO	POINT	133.	198.	59.
	AREA	5,713.	3,123.	31,767.
	TOTAL	5,846.	3,321.	31,826.
38 CLACKAMAS CO	POINT	371.	1,462.	397.
	AREA	19,514.	9,704.	86,042.
	TOTAL	19,885.	11,166.	86,439.
38 CLATSOP CO	POINT	98.	743.	3,915.
	AREA	3,400.	1,970.	17,301.
	TOTAL	3,498.	2,713.	21,216.
38 COLUMBIA CO	POINT	82.	1,057.	5,657.
	AREA	4,472.	2,782.	18,904.
	TOTAL	4,554.	3,839.	24,561.
38 COOS CO	POINT	670.	1,620.	973.
	AREA	7,517.	4,358.	43,669.
	TOTAL	8,187.	5,978.	44,642.
38 CROOK CO	POINT	155.	777.	154.
	AREA	1,771.	971.	8,644.
	TOTAL	1,926.	1,748.	8,798.
38 CURRY CO	POINT	279.	390.	1,235.
	AREA	3,063.	1,411.	17,039.
	TOTAL	3,342.	1,801.	18,274.
38 DESCHUTES CO	POINT	224.	1,078.	312.
	AREA	4,721.	3,034.	23,620.
	TOTAL	4,945.	4,112.	23,932.
38 DOUGLAS CO	POINT	1,649.	6,095.	1,689.
	AREA	16,625.	7,207.	87,290.
	TOTAL	18,274.	13,302.	88,979.
38 GILLIAM CO	POINT	0.	0.	0.
	AREA	292.	244.	1,390.
	TOTAL	292.	244.	1,390.
38 GRANT CO	POINT	62.	223.	351.
	AREA	1,620.	834.	9,000.
	TOTAL	1,682.	1,057.	9,351.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
38 HARNEY CO	POINT	144.	565.	128.
	AREA	892.	737.	5,661.
	TOTAL	1,036.	1,302.	5,789.
38 HOOD RIVER CO	POINT	354.	778.	202.
	AREA	1,979.	1,252.	10,686.
	TOTAL	2,333.	2,030.	10,888.
38 JACKSON CO	POINT	2,901.	3,135.	2,492.
	AREA	12,637.	7,357.	70,899.
	TOTAL	15,538.	10,492.	73,391.
38 JEFFERSON CO	POINT	159.	769.	283.
	AREA	1,167.	844.	5,837.
	TOTAL	1,326.	1,613.	6,120.
38 JOSEPHINE CO	POINT	186.	623.	1,402.
	AREA	5,723.	3,038.	30,711.
	TOTAL	5,909.	3,661.	32,113.
38 KLAMATH CO	POINT	640.	1,869.	833.
	AREA	7,513.	3,747.	40,607.
	TOTAL	8,153.	5,616.	41,440.
38 LAKE CO	POINT	28.	130.	404.
	AREA	2,404.	615.	14,200.
	TOTAL	2,432.	745.	14,604.
38 LANE CO	POINT	3,114.	7,692.	2,773.
	AREA	30,875.	15,699.	167,793.
	TOTAL	33,989.	23,391.	170,566.
38 LINCOLN CO	POINT	427.	2,081.	713.
	AREA	3,920.	2,091.	22,029.
	TOTAL	4,347.	4,172.	22,742.
38 LINN CO	POINT	1,475.	2,174.	1,273.
	AREA	10,574.	6,466.	51,013.
	TOTAL	12,049.	8,640.	52,286.
38 MALHEUR CO	POINT	1.	906.	5.
	AREA	3,769.	1,799.	29,122.
	TOTAL	3,770.	2,705.	29,127.
38 MARION CO	POINT	121.	2,143.	258.
	AREA	19,245.	11,432.	112,863.
	TOTAL	19,366.	13,575.	113,121.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
38 MORROW CO	POINT	29.	73.	13.
	AREA	709.	620.	3,447.
	TOTAL	738.	693.	3,460.
38 MULTNOMAH CO	POINT	11,024.	2,654.	312.
	AREA	76,383.	37,073.	410,145.
	TOTAL	87,407.	39,727.	410,457.
38 POLK CO	POINT	206.	782.	148.
	AREA	4,980.	2,163.	24,014.
	TOTAL	5,186.	2,945.	24,162.
38 SHERMAN CO	POINT	0.	0.	0.
	AREA	294.	238.	1,308.
	TOTAL	294.	238.	1,308.
38 TILLAMOOK CO	POINT	108.	230.	1,284.
	AREA	2,942.	1,633.	15,913.
	TOTAL	3,050.	1,863.	17,197.
38 UMATILLA CO	POINT	2,057.	470.	153.
	AREA	6,370.	3,820.	35,562.
	TOTAL	8,427.	4,290.	35,715.
38 UNION CO	POINT	1,151.	1,022.	570.
	AREA	2,640.	1,596.	14,613.
	TOTAL	3,791.	2,618.	15,183.
38 WALLOWA CO	POINT	30.	90.	681.
	AREA	1,222.	790.	7,063.
	TOTAL	1,252.	880.	7,744.
38 WASCO CO	POINT	32.	72.	1,109.
	AREA	2,549.	1,704.	16,074.
	TOTAL	2,581.	1,776.	17,183.
38 WASHINGTON CO	POINT	484.	571.	312.
	AREA	20,544.	8,267.	75,104.
	TOTAL	21,028.	8,838.	75,416.
38 WHEELER CO	POINT	17.	70.	14.
	AREA	475.	231.	2,801.
	TOTAL	492.	301.	2,815.
38 YAMHILL CO	POINT	283.	1,966.	205.
	AREA	5,606.	3,353.	30,648.
	TOTAL	5,889.	5,319.	30,853.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
39 ADAMS CO	POINT	126.	158.	42.
	AREA	6,698.	3,907.	27,672.
	TOTAL	6,824.	4,065.	27,714.
39 ALLEGHENY CO	POINT	30,103.	57,789.	144,946.
	AREA	104,391.	46,679.	438,664.
	TOTAL	134,494.	104,468.	583,610.
39 ARMSTRONG CO	POINT	635.	37,856.	2,105.
	AREA	5,436.	4,267.	25,079.
	TOTAL	6,071.	42,123.	27,184.
39 BEAVER CO	POINT	6,929.	24,402.	51,853.
	AREA	13,683.	7,830.	61,007.
	TOTAL	20,612.	32,232.	112,860.
39 BEDFORD CO	POINT	0.	3.	0.
	AREA	4,048.	2,964.	16,893.
	TOTAL	4,048.	2,967.	16,893.
39 BERKS CO	POINT	6,233.	10,253.	6,808.
	AREA	34,223.	15,253.	140,808.
	TOTAL	40,456.	25,506.	147,616.
39 BLAIR CO	POINT	658.	2,543.	887.
	AREA	12,152.	6,194.	54,962.
	TOTAL	12,810.	8,737.	55,849.
39 BRADFORD CO	POINT	2,473.	492.	1,979.
	AREA	5,354.	3,354.	20,271.
	TOTAL	7,827.	3,846.	22,250.
39 BUCKS CO	POINT	22,303.	6,094.	66,452.
	AREA	39,059.	18,118.	157,057.
	TOTAL	61,362.	24,212.	223,509.
39 BUTLER CO	POINT	602.	2,862.	105,228.
	AREA	11,436.	7,236.	45,216.
	TOTAL	12,038.	10,098.	150,444.
39 CAMBRIA CO	POINT	2,996.	2,706.	96,916.
	AREA	13,443.	8,032.	56,098.
	TOTAL	16,439.	10,738.	153,014.
39 CAMERON CO	POINT	23.	115.	23.
	AREA	837.	341.	2,698.
	TOTAL	860.	456.	2,721.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
39 CARBON CO	POINT	0.	67.	3,756.
	AREA	5,300.	2,418.	23,627.
	TOTAL	5,300.	2,485.	27,383.
39 CENTRE CO	POINT	71.	823.	102.
	AREA	7,726.	4,918.	35,520.
	TOTAL	7,797.	5,741.	35,622.
39 CHESTER CO	POINT	5,507.	5,644.	438.
	AREA	28,560.	15,434.	112,985.
	TOTAL	34,067.	21,078.	113,423.
39 CLARION CO	POINT	64.	611.	18.
	AREA	3,449.	2,479.	13,711.
	TOTAL	3,513.	3,090.	13,729.
39 CLEARFIELD CO	POINT	268.	15,447.	865.
	AREA	6,436.	4,211.	26,253.
	TOTAL	6,704.	19,658.	27,118.
39 CLINTON CO	POINT	285.	1,603.	223.
	AREA	3,100.	1,902.	13,598.
	TOTAL	3,385.	3,505.	13,821.
39 COLUMBIA CO	POINT	6.	334.	70.
	AREA	7,204.	3,629.	29,688.
	TOTAL	7,210.	3,963.	29,758.
39 CRAWFORD CO	POINT	1,215.	10,531.	1,723.
	AREA	8,279.	4,573.	27,571.
	TOTAL	9,494.	15,104.	29,294.
39 CUMBERLAND CO	POINT	1,782.	375.	39.
	AREA	16,723.	9,089.	81,765.
	TOTAL	18,505.	9,464.	81,804.
39 DAUPHIN CO	POINT	1,481.	2,477.	1,571.
	AREA	18,931.	10,009.	86,574.
	TOTAL	20,412.	12,486.	88,145.
39 DELAWARE CO	POINT	29,983.	25,203.	8,658.
	AREA	44,199.	19,194.	215,907.
	TOTAL	74,182.	44,397.	224,565.
39 ELK CO	POINT	68.	1,193.	3,441.
	AREA	4,325.	1,757.	12,957.
	TOTAL	4,393.	2,950.	16,398.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
39 ERIE CO	POINT	690.	6,066.	1,648.
	AREA	27,730.	10,987.	87,693.
	TOTAL	28,420.	17,053.	89,341.
39 FAYETTE CO	POINT	90.	122.	90.
	AREA	11,911.	7,348.	54,497.
	TOTAL	12,001.	7,470.	54,587.
39 FOREST CO	POINT	8.	43.	9.
	AREA	646.	334.	1,830.
	TOTAL	654.	377.	1,839.
39 FRANKLIN CO	POINT	242.	272.	204.
	AREA	10,911.	5,855.	44,337.
	TOTAL	11,153.	6,127.	44,541.
39 FULTON CO	POINT	0.	1.	1.
	AREA	938.	735.	4,452.
	TOTAL	938.	736.	4,453.
39 GREENE CO	POINT	530.	31,886.	1,770.
	AREA	2,335.	1,918.	11,153.
	TOTAL	2,865.	33,804.	12,923.
39 HUNTINGDON CO	POINT	36.	177.	13.
	AREA	4,382.	2,293.	15,455.
	TOTAL	4,418.	2,470.	15,468.
39 INDIANA CO	POINT	1,367.	52,973.	2,995.
	AREA	6,424.	4,275.	25,301.
	TOTAL	7,791.	57,248.	28,296.
39 JEFFERSON CO	POINT	133.	57.	311.
	AREA	4,393.	2,520.	17,069.
	TOTAL	4,526.	2,577.	17,380.
39 JUNIATA CO	POINT	0.	1.	0.
	AREA	1,683.	1,265.	7,310.
	TOTAL	1,683.	1,266.	7,310.
39 LACKAWANNA CO	POINT	1,878.	772.	217.
	AREA	20,521.	7,819.	82,254.
	TOTAL	22,399.	8,591.	82,471.
39 LANCASTER CO	POINT	13,258.	4,615.	785.
	AREA	37,080.	17,627.	149,625.
	TOTAL	50,338.	22,242.	150,410.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
39 LAWRENCE CO	POINT	137.	14,822.	2,864.
	AREA	9,478.	4,896.	38,968.
	TOTAL	9,615.	19,718.	41,832.
39 LEBANON CO	POINT	2,114.	1,148.	102.
	AREA	11,151.	5,882.	47,163.
	TOTAL	13,265.	7,030.	47,265.
39 LEHIGH CO	POINT	1,428.	1,881.	510.
	AREA	27,730.	11,354.	104,346.
	TOTAL	29,158.	13,235.	104,856.
39 LUZERNE CO	POINT	154.	7,213.	1,665.
	AREA	30,857.	12,160.	117,314.
	TOTAL	31,011.	19,373.	118,979.
39 LYCOMING CO	POINT	929.	83.	566.
	AREA	13,342.	5,812.	44,327.
	TOTAL	14,271.	5,895.	44,893.
39 MC KEAN CO	POINT	36.	794.	66.
	AREA	5,039.	2,574.	15,805.
	TOTAL	5,075.	3,368.	15,871.
39 MERCER CO	POINT	392.	1,150.	13,921.
	AREA	9,698.	5,873.	41,499.
	TOTAL	10,090.	7,023.	55,420.
39 MIFFLIN CO	POINT	180.	365.	2,231.
	AREA	4,020.	2,397.	18,507.
	TOTAL	4,200.	2,762.	20,738.
39 MONROE CO	POINT	58.	943.	173.
	AREA	5,210.	3,255.	19,407.
	TOTAL	5,268.	4,198.	19,580.
39 MONTGOMERY CO	POINT	14,228.	3,007.	26,250.
	AREA	62,935.	25,357.	242,437.
	TOTAL	77,163.	28,364.	268,687.
39 MONTOUR CO	POINT	699.	35,315.	2,030.
	AREA	1,558.	992.	5,779.
	TOTAL	2,257.	36,307.	7,809.
39 NORTHAMPTON CO	POINT	1,581.	45,925.	83,225.
	AREA	22,675.	10,882.	113,560.
	TOTAL	24,256.	56,807.	196,785.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
39 NORTHUMBERLAND CO	POINT	1,451.	859.	3,416.
	AREA	11,144.	4,855.	44,016.
	TOTAL	12,595.	5,714.	47,432.
39 PERRY CO	POINT	0.	0.	0.
	AREA	2,365.	2,025.	10,830.
	TOTAL	2,365.	2,025.	10,830.
39 PHILADELPHIA CO	POINT	18,983.	25,535.	9,091.
	AREA	110,070.	54,142.	563,377.
	TOTAL	129,053.	79,677.	572,468.
39 PIKE CO	POINT	0.	21.	1.
	AREA	1,266.	865.	5,036.
	TOTAL	1,266.	886.	5,037.
39 POTTER CO	POINT	0.	0.	0.
	AREA	1,164.	901.	5,184.
	TOTAL	1,164.	901.	5,184.
39 SCHUYLKILL CO	POINT	272.	952.	233.
	AREA	16,221.	7,285.	68,129.
	TOTAL	16,493.	8,237.	68,362.
39 SNYDER CO	POINT	387.	15,253.	856.
	AREA	2,975.	2,008.	12,069.
	TOTAL	3,362.	17,261.	12,925.
39 SOMERSET CO	POINT	0.	9.	101.
	AREA	6,200.	4,594.	29,314.
	TOTAL	6,200.	4,603.	29,415.
39 SULLIVAN CO	POINT	0.	0.	0.
	AREA	511.	418.	2,169.
	TOTAL	511.	418.	2,169.
39 SUSQUEHANNA CO	POINT	0.	0.	0.
	AREA	2,811.	2,250.	11,468.
	TOTAL	2,811.	2,250.	11,468.
39 TIOGA CO	POINT	5.	149.	414.
	AREA	3,241.	2,387.	14,441.
	TOTAL	3,246.	2,536.	14,855.
39 UNION CO	POINT	256.	378.	43.
	AREA	2,978.	1,596.	11,169.
	TOTAL	3,234.	1,974.	11,212.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
39 VENANGO CO	POINT	5,406.	1,648.	351.
	AREA	6,153.	2,873.	22,757.
	TOTAL	11,559.	4,521.	23,108.
39 WARREN CO	POINT	154.	4,339.	254.
	AREA	4,867.	2,412.	13,758.
	TOTAL	5,021.	6,751.	14,012.
39 WASHINGTON CO	POINT	622.	21,249.	4,274.
	AREA	16,503.	9,793.	73,490.
	TOTAL	17,125.	31,042.	77,764.
39 WAYNE CO	POINT	0.	39.	181.
	AREA	3,370.	2,306.	14,484.
	TOTAL	3,370.	2,345.	14,665.
39 WESTMORELAND CO	POINT	2,298.	1,139.	16,308.
	AREA	28,840.	14,968.	121,853.
	TOTAL	31,138.	16,107.	138,161.
39 WYOMING CO	POINT	77.	813.	108.
	AREA	3,215.	1,780.	8,272.
	TOTAL	3,292.	2,593.	8,380.
39 YORK CO	POINT	2,337.	37,005.	2,201.
	AREA	37,571.	15,168.	130,306.
	TOTAL	39,908.	52,173.	132,507.
	POINT	0.	0.	0.
	AREA	4,205.	1,671.	11,456.
	TOTAL	4,205.	1,671.	11,456.
	POINT	0.	0.	0.
	AREA	3,547.	822.	19,859.
	TOTAL	3,547.	822.	19,859.
	POINT	0.	0.	0.
	AREA	1,035.	564.	7,655.
	TOTAL	1,035.	564.	7,655.
	POINT	0.	0.	0.
	AREA	357.	251.	2,156.
	TOTAL	357.	251.	2,156.
	POINT	0.	0.	0.
	AREA	312.	255.	1,610.
	TOTAL	312.	255.	1,610.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
	POINT	0.	0.	0.
	AREA	332.	273.	1,735.
	TOTAL	332.	273.	1,735.
	POINT	0.	0.	0.
	AREA	3,827.	1,275.	24,670.
	TOTAL	3,827.	1,275.	24,670.
	POINT	0.	0.	0.
	AREA	280.	179.	1,588.
	TOTAL	280.	179.	1,588.
	POINT	0.	0.	0.
	AREA	366.	315.	1,861.
	TOTAL	366.	315.	1,861.
	POINT	0.	0.	0.
	AREA	342.	278.	1,797.
	TOTAL	342.	278.	1,797.
	POINT	0.	0.	0.
	AREA	2,622.	1,423.	18,066.
	TOTAL	2,622.	1,423.	18,066.
	POINT	0.	0.	0.
	AREA	1,236.	423.	6,128.
	TOTAL	1,236.	423.	6,128.
	POINT	0.	0.	0.
	AREA	1,953.	1,033.	14,260.
	TOTAL	1,953.	1,033.	14,260.
	POINT	0.	0.	0.
	AREA	365.	275.	2,045.
	TOTAL	365.	275.	2,045.
	POINT	0.	0.	0.
	AREA	2,758.	1,921.	14,708.
	TOTAL	2,758.	1,921.	14,708.
	POINT	0.	0.	0.
	AREA	455.	279.	3,065.
	TOTAL	455.	279.	3,065.
	POINT	0.	0.	0.
	AREA	775.	405.	5,729.
	TOTAL	775.	405.	5,729.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
	POINT	0.	0.	0.
	AREA	166.	150.	830.
	TOTAL	166.	150.	830.
	POINT	0.	0.	0.
	AREA	253.	206.	1,439.
	TOTAL	253.	206.	1,439.
	POINT	0.	0.	0.
	AREA	388.	321.	2,206.
	TOTAL	388.	321.	2,206.
	POINT	0.	0.	0.
	AREA	615.	317.	4,651.
	TOTAL	615.	317.	4,651.
	POINT	0.	0.	0.
	AREA	290.	266.	1,514.
	TOTAL	290.	266.	1,514.
	POINT	0.	0.	0.
	AREA	422.	345.	2,193.
	TOTAL	422.	345.	2,193.
	POINT	0.	0.	0.
	AREA	0.	0.	0.
	TOTAL	0.	0.	0.
	POINT	0.	0.	0.
	AREA	206.	158.	1,288.
	TOTAL	206.	158.	1,288.
	POINT	0.	0.	0.
	AREA	1,845.	417.	10,778.
	TOTAL	1,845.	417.	10,778.
	POINT	0.	0.	0.
	AREA	6,013.	1,172.	33,974.
	TOTAL	6,013.	1,172.	33,974.
	POINT	0.	0.	0.
	AREA	1,007.	413.	6,781.
	TOTAL	1,007.	413.	6,781.
	POINT	0.	0.	0.
	AREA	926.	429.	5,159.
	TOTAL	926.	429.	5,159.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
	POINT	0.	0.	0.
	AREA	1,089.	681.	7,763.
	TOTAL	1,089.	681.	7,763.
	POINT	0.	0.	0.
	AREA	288.	246.	1,470.
	TOTAL	288.	246.	1,470.
	POINT	0.	0.	0.
	AREA	393.	321.	2,251.
	TOTAL	393.	321.	2,251.
	POINT	0.	0.	0.
	AREA	1,262.	304.	7,221.
	TOTAL	1,262.	304.	7,221.
	POINT	0.	0.	0.
	AREA	1,135.	444.	6,341.
	TOTAL	1,135.	444.	6,341.
	POINT	0.	0.	0.
	AREA	480.	401.	2,445.
	TOTAL	480.	401.	2,445.
	POINT	0.	0.	0.
	AREA	225.	171.	1,253.
	TOTAL	225.	171.	1,253.
	POINT	0.	0.	0.
	AREA	830.	435.	6,372.
	TOTAL	830.	435.	6,372.
	POINT	0.	0.	0.
	AREA	1,439.	427.	9,207.
	TOTAL	1,439.	427.	9,207.
	POINT	0.	0.	0.
	AREA	608.	265.	3,181.
	TOTAL	608.	265.	3,181.
	POINT	0.	0.	0.
	AREA	457.	341.	2,592.
	TOTAL	457.	341.	2,592.
	POINT	0.	0.	0.
	AREA	133.	106.	700.
	TOTAL	133.	106.	700.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
	POINT	0.	0.	0.
	AREA	421.	243.	3,185.
	TOTAL	421.	243.	3,185.
	POINT	0.	0.	0.
	AREA	603.	511.	3,139.
	TOTAL	603.	511.	3,139.
	POINT	0.	0.	0.
	AREA	183.	145.	929.
	TOTAL	183.	145.	929.
	POINT	0.	0.	0.
	AREA	2,873.	808.	16,343.
	TOTAL	2,873.	808.	16,343.
	POINT	0.	0.	0.
	AREA	102.	80.	535.
	TOTAL	102.	80.	535.
	POINT	0.	0.	0.
	AREA	180.	146.	963.
	TOTAL	180.	146.	963.
	POINT	0.	0.	0.
	AREA	3,975.	1,411.	25,012.
	TOTAL	3,975.	1,411.	25,012.
	POINT	0.	0.	0.
	AREA	403.	311.	2,295.
	TOTAL	403.	311.	2,295.
	POINT	0.	0.	0.
	AREA	322.	266.	1,703.
	TOTAL	322.	266.	1,703.
	POINT	0.	0.	0.
	AREA	284.	224.	1,444.
	TOTAL	284.	224.	1,444.
	POINT	0.	0.	0.
	AREA	343.	272.	1,779.
	TOTAL	343.	272.	1,779.
	POINT	0.	0.	0.
	AREA	336.	275.	1,804.
	TOTAL	336.	275.	1,804.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
	POINT	0.	0.	0.
	AREA	318.	239.	1,829.
	TOTAL	318.	239.	1,829.
	POINT	0.	0.	0.
	AREA	381.	240.	1,972.
	TOTAL	381.	240.	1,972.
	POINT	0.	0.	0.
	AREA	4,304.	2,041.	26,482.
	TOTAL	4,304.	2,041.	26,482.
	POINT	0.	0.	0.
	AREA	267.	230.	1,393.
	TOTAL	267.	230.	1,393.
	POINT	0.	0.	0.
	AREA	157.	130.	813.
	TOTAL	157.	130.	813.
	POINT	0.	0.	0.
	AREA	516.	289.	3,874.
	TOTAL	516.	289.	3,874.
	POINT	0.	0.	0.
	AREA	262.	206.	1,312.
	TOTAL	262.	206.	1,312.
	POINT	0.	0.	0.
	AREA	3,005.	755.	17,431.
	TOTAL	3,005.	755.	17,431.
	POINT	0.	0.	0.
	AREA	449.	365.	2,249.
	TOTAL	449.	365.	2,249.
	POINT	0.	0.	0.
	AREA	10,200.	5,896.	57,794.
	TOTAL	10,200.	5,896.	57,794.
	POINT	0.	0.	0.
	AREA	456.	358.	2,561.
	TOTAL	456.	358.	2,561.
	POINT	0.	0.	0.
	AREA	2,665.	774.	15,319.
	TOTAL	2,665.	774.	15,319.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
	POINT	0.	0.	0.
	AREA	800.	293.	4,538.
	TOTAL	800.	293.	4,538.
	POINT	0.	0.	0.
	AREA	325.	264.	1,694.
	TOTAL	325.	264.	1,694.
	POINT	0.	0.	0.
	AREA	483.	465.	2,470.
	TOTAL	483.	465.	2,470.
	POINT	0.	0.	0.
	AREA	409.	376.	2,406.
	TOTAL	409.	376.	2,406.
	POINT	0.	0.	0.
	AREA	554.	452.	2,851.
	TOTAL	554.	452.	2,851.
	POINT	0.	0.	0.
	AREA	357.	302.	1,833.
	TOTAL	357.	302.	1,833.
	POINT	0.	0.	0.
	AREA	559.	473.	2,840.
	TOTAL	559.	473.	2,840.
	POINT	0.	0.	0.
	AREA	1.	0.	9.
	TOTAL	1.	0.	9.
	POINT	0.	0.	0.
	AREA	181.	138.	1,124.
	TOTAL	181.	138.	1,124.
	POINT	0.	0.	0.
	AREA	2,650.	767.	14,630.
	TOTAL	2,650.	767.	14,630.
	POINT	0.	0.	0.
	AREA	821.	421.	6,168.
	TOTAL	821.	421.	6,168.
41 BRISTOL CO	POINT	416.	28.	2.
	AREA	3,691.	1,177.	14,305.
	TOTAL	4,107.	1,205.	14,307.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
41 KENT CO	POINT	1,986.	278.	893.
	AREA	14,337.	5,910.	76,656.
	TOTAL	16,323.	6,188.	77,549.
41 NEWPORT CO	POINT	553.	385.	28.
	AREA	5,727.	2,713.	30,411.
	TOTAL	6,280.	3,098.	30,439.
41 PROVIDENCE CO	POINT	13,225.	4,278.	2,887.
	AREA	54,721.	20,018.	258,558.
	TOTAL	67,946.	24,296.	261,445.
41 WASHINGTON CO	POINT	893.	504.	46.
	AREA	9,373.	4,085.	48,417.
	TOTAL	10,266.	4,589.	48,463.
42 ABBEVILLE CO	POINT	2.	76.	8.
	AREA	2,779.	1,136.	10,316.
	TOTAL	2,781.	1,212.	10,324.
42 AIKEN CO	POINT	1,019.	15,275.	857.
	AREA	10,375.	5,480.	49,584.
	TOTAL	11,394.	20,755.	50,441.
42 ALLENDALE CO	POINT	25.	22.	294.
	AREA	991.	575.	4,411.
	TOTAL	1,016.	597.	4,705.
42 ANDERSON CO	POINT	309.	6,924.	420.
	AREA	13,423.	7,070.	58,890.
	TOTAL	13,732.	13,994.	59,310.
42 BAMBERG CO	POINT	1.	17.	2.
	AREA	1,820.	865.	7,832.
	TOTAL	1,821.	882.	7,834.
42 BARNWELL CO	POINT	4.	72.	39.
	AREA	2,292.	1,114.	10,271.
	TOTAL	2,296.	1,186.	10,310.
42 BEAUFORT CO	POINT	1.	79.	6.
	AREA	5,660.	2,338.	23,580.
	TOTAL	5,661.	2,417.	23,586.
42 BERKELEY CO	POINT	7,508.	17,731.	735.
	AREA	6,839.	2,312.	25,296.
	TOTAL	14,347.	20,043.	26,031.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS * NOX	CO
42 CALHOUN CO	POINT	79.	0.	0.
	AREA	1,027.	622.	4,766.
	TOTAL	1,106.	622.	4,766.
42 CHARLESTON CO	POINT	8,023.	2,571.	17,323.
	AREA	22,147.	10,082.	101,991.
	TOTAL	30,170.	12,653.	119,314.
42 CHEROKEE CO	POINT	15.	366.	71.
	AREA	4,435.	2,103.	18,368.
	TOTAL	4,450.	2,469.	18,439.
42 CHESTER CO	POINT	3.	71.	14.
	AREA	3,503.	1,625.	13,160.
	TOTAL	3,506.	1,696.	13,174.
42 CHESTERFIELD CO	POINT	15.	65.	5.
	AREA	4,238.	2,124.	15,729.
	TOTAL	4,253.	2,189.	15,734.
42 CLARENDON CO	POINT	0.	0.	0.
	AREA	3,700.	1,449.	14,743.
	TOTAL	3,700.	1,449.	14,743.
42 COLLETON CO	POINT	180.	15,918.	1,394.
	AREA	3,712.	1,732.	17,175.
	TOTAL	3,892.	17,650.	18,569.
42 DARLINGTON CO	POINT	583.	9,399.	449.
	AREA	7,926.	3,222.	23,801.
	TOTAL	8,509.	12,621.	24,250.
42 DILLON CO	POINT	5.	40.	6.
	AREA	2,781.	1,592.	12,588.
	TOTAL	2,786.	1,632.	12,594.
42 DORCHESTER CO	POINT	3.	1,805.	29.
	AREA	3,872.	2,506.	16,495.
	TOTAL	3,875.	4,311.	16,524.
42 EDGEFIELD CO	POINT	130.	16.	1,536.
	AREA	1,641.	857.	6,840.
	TOTAL	1,771.	873.	8,376.
42 FAIRFIELD CO	POINT	325.	51.	3,811.
	AREA	2,028.	1,056.	7,972.
	TOTAL	2,353.	1,107.	11,783.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
42 FLORENCE CO	POINT	474.	2,740.	5,126.
	AREA	12,292.	5,900.	46,929.
	TOTAL	12,766.	8,640.	52,055.
42 GEORGETOWN CO	POINT	398.	15,706.	13,110.
	AREA	5,093.	2,101.	19,204.
	TOTAL	5,491.	17,807.	32,314.
42 GREENVILLE CO	POINT	584.	778.	154.
	AREA	35,099.	14,469.	156,707.
	TOTAL	35,683.	15,247.	156,861.
42 GREENWOOD CO	POINT	400.	460.	1,508.
	AREA	6,707.	3,202.	30,603.
	TOTAL	7,107.	3,662.	32,111.
42 HAMPTON CO	POINT	3,947.	163.	1,024.
	AREA	2,947.	1,200.	10,302.
	TOTAL	6,894.	1,363.	11,326.
42 HORRY CO	POINT	882.	6,172.	2,786.
	AREA	8,343.	4,565.	33,506.
	TOTAL	9,225.	10,737.	36,292.
42 JASPER CO	POINT	0.	0.	0.
	AREA	1,598.	673.	6,966.
	TOTAL	1,598.	673.	6,966.
42 KERSHAW CO	POINT	2,513.	1,653.	2,284.
	AREA	4,461.	2,374.	19,972.
	TOTAL	6,974.	4,027.	22,256.
42 LANCASTER CO	POINT	6,467.	1,227.	73.
	AREA	5,077.	2,239.	18,374.
	TOTAL	11,544.	3,466.	18,447.
42 LAURENS CO	POINT	39.	468.	466.
	AREA	5,430.	2,631.	21,562.
	TOTAL	5,469.	3,099.	22,028.
42 LEE CO	POINT	37.	324.	128.
	AREA	1,270.	938.	6,103.
	TOTAL	1,307.	1,262.	6,231.
42 LEXINGTON CO	POINT	646.	7,185.	1,029.
	AREA	13,645.	6,456.	62,359.
	TOTAL	14,291.	13,641.	63,388.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
42 MC CORMICK CO	POINT	34.	67.	395.
	AREA	1,423.	469.	5,091.
	TOTAL	1,457.	536.	5,486.
42 MARION CO	POINT	24.	43.	14.
	AREA	4,076.	1,707.	15,235.
	TOTAL	4,100.	1,750.	15,249.
42 MARLBORO CO	POINT	39.	387.	56.
	AREA	3,258.	1,499.	13,909.
	TOTAL	3,297.	1,886.	13,965.
42 NEWBERRY CO	POINT	365.	1,001.	2,301.
	AREA	4,314.	1,949.	17,307.
	TOTAL	4,679.	2,950.	19,608.
42 OCONEE CO	POINT	212.	39.	294.
	AREA	4,956.	2,423.	20,616.
	TOTAL	5,168.	2,462.	20,910.
42 ORANGEBURG CO	POINT	629.	846.	1,019.
	AREA	7,855.	4,390.	30,121.
	TOTAL	8,484.	5,236.	31,140.
42 PICKENS CO	POINT	117.	484.	226.
	AREA	8,421.	3,759.	30,514.
	TOTAL	8,538.	4,243.	30,740.
42 RICHLAND CO	POINT	210.	20,165.	695.
	AREA	22,042.	11,292.	107,772.
	TOTAL	22,252.	31,457.	108,467.
42 SALUDA CO	POINT	0.	1.	0.
	AREA	1,422.	894.	6,296.
	TOTAL	1,422.	895.	6,296.
42 SPARTANBURG CO	POINT	853.	1,789.	2,586.
	AREA	22,727.	10,706.	81,841.
	TOTAL	23,580.	12,495.	84,427.
42 SUMTER CO	POINT	4,084.	282.	227.
	AREA	8,862.	4,443.	38,881.
	TOTAL	12,946.	4,725.	39,108.
42 UNION CO	POINT	3,979.	204.	29.
	AREA	2,969.	1,480.	12,264.
	TOTAL	6,948.	1,684.	12,293.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
42 WILLIAMSBURG CO	POINT	3.	29.	5.
	AREA	4,195.	1,857.	14,923.
	TOTAL	4,198.	1,886.	14,928.
42 YORK CO	POINT	6,322.	6,244.	8,623.
	AREA	8,263.	4,269.	39,954.
	TOTAL	14,585.	10,513.	48,577.
43 AURORA CO	POINT	0.	0.	0.
	AREA	564.	525.	3,514.
	TOTAL	564.	525.	3,514.
43 BEADLE CO	POINT	207.	63.	17.
	AREA	2,060.	1,355.	11,974.
	TOTAL	2,267.	1,418.	11,991.
43 BENNETT CO	POINT	0.	0.	0.
	AREA	300.	286.	1,832.
	TOTAL	300.	286.	1,832.
43 BON HOMME CO	POINT	0.	0.	0.
	AREA	805.	788.	4,574.
	TOTAL	805.	788.	4,574.
43 BROOKINGS CO	POINT	6.	90.	59.
	AREA	2,166.	1,328.	12,277.
	TOTAL	2,172.	1,418.	12,336.
43 BROWN CO	POINT	333.	84.	11.
	AREA	4,071.	2,373.	23,467.
	TOTAL	4,404.	2,457.	23,478.
43 BRULE CO	POINT	0.	0.	0.
	AREA	947.	640.	5,796.
	TOTAL	947.	640.	5,796.
43 BUFFALO CO	POINT	0.	0.	0.
	AREA	147.	127.	803.
	TOTAL	147.	127.	803.
43 BUTTE CO	POINT	0.	0.	0.
	AREA	1,008.	729.	6,180.
	TOTAL	1,008.	729.	6,180.
43 CAMPBELL CO	POINT	0.	0.	0.
	AREA	305.	288.	1,943.
	TOTAL	305.	288.	1,943.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
43 CHARLES MIX CO	POINT	0.	0.	0.
	AREA	945.	836.	5,678.
	TOTAL	945.	836.	5,678.
43 CLARK CO	POINT	0.	0.	0.
	AREA	588.	600.	3,558.
	TOTAL	588.	600.	3,558.
43 CLAY CO	POINT	0.	0.	0.
	AREA	979.	650.	5,927.
	TOTAL	979.	650.	5,927.
43 CODINGTON CO	POINT	1,651.	0.	0.
	AREA	2,267.	1,173.	10,575.
	TOTAL	3,918.	1,173.	10,575.
43 CORSON CO	POINT	0.	0.	0.
	AREA	623.	478.	3,301.
	TOTAL	623.	478.	3,301.
43 CUSTER CO	POINT	371.	52.	4,351.
	AREA	1,818.	625.	12,055.
	TOTAL	2,189.	677.	16,406.
43 DAVISON CO	POINT	9.	171.	22.
	AREA	1,819.	1,017.	9,781.
	TOTAL	1,828.	1,188.	9,803.
43 DAY CO	POINT	0.	0.	0.
	AREA	795.	730.	4,471.
	TOTAL	795.	730.	4,471.
43 DEUEL CO	POINT	0.	0.	0.
	AREA	733.	737.	4,808.
	TOTAL	733.	737.	4,808.
43 DEWEY CO	POINT	0.	0.	0.
	AREA	487.	390.	2,464.
	TOTAL	487.	390.	2,464.
43 DOUGLAS CO	POINT	0.	0.	0.
	AREA	453.	451.	2,815.
	TOTAL	453.	451.	2,815.
43 EDMUNDS CO	POINT	0.	0.	0.
	AREA	560.	578.	3,564.
	TOTAL	560.	578.	3,564.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
43 FALL RIVER CO	POINT	66.	85.	178.
	AREA	1,157.	553.	6,883.
	TOTAL	1,223.	638.	7,061.
43 FAULK CO	POINT	0.	0.	0.
	AREA	418.	419.	2,616.
	TOTAL	418.	419.	2,616.
43 GRANT CO	POINT	35.	19,266.	102.
	AREA	1,014.	856.	5,989.
	TOTAL	1,049.	20,122.	6,091.
43 GREGORY CO	POINT	0.	0.	0.
	AREA	671.	576.	3,831.
	TOTAL	671.	576.	3,831.
43 HAAKON CO	POINT	0.	0.	0.
	AREA	308.	309.	1,900.
	TOTAL	308.	309.	1,900.
43 HAMLIN CO	POINT	0.	0.	0.
	AREA	620.	553.	3,367.
	TOTAL	620.	553.	3,367.
43 HAND CO	POINT	0.	0.	0.
	AREA	568.	619.	3,703.
	TOTAL	568.	619.	3,703.
43 HANSON CO	POINT	0.	0.	0.
	AREA	596.	527.	3,418.
	TOTAL	596.	527.	3,418.
43 HARDING CO	POINT	0.	0.	0.
	AREA	246.	275.	1,646.
	TOTAL	246.	275.	1,646.
43 HUGHES CO	POINT	0.	0.	0.
	AREA	1,123.	708.	7,102.
	TOTAL	1,123.	708.	7,102.
43 HUTCHINSON CO	POINT	0.	0.	0.
	AREA	919.	888.	5,537.
	TOTAL	919.	888.	5,537.
43 HYDE CO	POINT	0.	0.	0.
	AREA	271.	318.	1,646.
	TOTAL	271.	318.	1,646.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
43 JACKSON CO	POINT	0.	0.	1.
	AREA	513.	429.	2,678.
	TOTAL	513.	429.	2,679.
43 JERAULD CO	POINT	0.	0.	0.
	AREA	315.	319.	1,957.
	TOTAL	315.	319.	1,957.
43 JONES CO	POINT	0.	0.	0.
	AREA	410.	339.	2,255.
	TOTAL	410.	339.	2,255.
43 KINGSBURY CO	POINT	0.	0.	0.
	AREA	801.	766.	4,685.
	TOTAL	801.	766.	4,685.
43 LAKE CO	POINT	0.	0.	0.
	AREA	1,203.	784.	6,772.
	TOTAL	1,203.	784.	6,772.
43 LAWRENCE CO	POINT	154.	14.	1,820.
	AREA	2,261.	814.	16,278.
	TOTAL	2,415.	828.	18,098.
43 LINCOLN CO	POINT	0.	0.	0.
	AREA	1,773.	1,317.	10,128.
	TOTAL	1,773.	1,317.	10,128.
43 LYMAN CO	POINT	0.	0.	0.
	AREA	767.	675.	4,447.
	TOTAL	767.	675.	4,447.
43 MC COOK CO	POINT	0.	0.	0.
	AREA	897.	805.	4,931.
	TOTAL	897.	805.	4,931.
43 MC PHERSON CO	POINT	0.	0.	0.
	AREA	444.	492.	2,971.
	TOTAL	444.	492.	2,971.
43 MARSHALL CO	POINT	0.	0.	0.
	AREA	658.	573.	3,880.
	TOTAL	658.	573.	3,880.
43 MEADE CO	POINT	522.	47.	6,179.
	AREA	3,668.	1,444.	22,367.
	TOTAL	4,190.	1,491.	28,546.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS * NOX	CO
43 MELLETTE CO	POINT	0.	0.	0.
	AREA	240.	227.	1,529.
	TOTAL	240.	227.	1,529.
43 MINER CO	POINT	0.	0.	0.
	AREA	425.	419.	2,597.
	TOTAL	425.	419.	2,597.
43 MINNEHAHA CO	POINT	1,606.	1,936.	88.
	AREA	11,238.	6,270.	64,821.
	TOTAL	12,844.	8,206.	64,909.
43 MOODY CO	POINT	0.	0.	0.
	AREA	761.	721.	4,611.
	TOTAL	761.	721.	4,611.
43 PENNINGTON CO	POINT	743.	2,776.	1,562.
	AREA	8,885.	4,261.	51,895.
	TOTAL	9,628.	7,037.	53,457.
43 PERKINS CO	POINT	46.	9.	132.
	AREA	508.	543.	3,491.
	TOTAL	554.	552.	3,623.
43 POTTER CO	POINT	0.	0.	0.
	AREA	432.	436.	2,700.
	TOTAL	432.	436.	2,700.
43 ROBERTS CO	POINT	0.	0.	0.
	AREA	1,174.	1,002.	7,285.
	TOTAL	1,174.	1,002.	7,285.
43 SANBORN CO	POINT	0.	0.	0.
	AREA	427.	434.	2,655.
	TOTAL	427.	434.	2,655.
43 SHANNON CO	POINT	0.	0.	0.
		484.	291.	2,746.
		484.	291.	2,746.
43 SPINK CO		0.	0.	0.
		1,114.	952.	6,992.
		1,114.	952.	6,992.
43 STANLEY CO		0.	0.	0.
		526.	365.	2,541.
		526.	365.	2,541.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
43 SULLY CO	POINT	0.	0.	0.
	AREA	301.	238.	1,717.
	TOTAL	301.	238.	1,717.
43 TODD CO	POINT	0.	0.	0.
	AREA	541.	454.	2,903.
	TOTAL	541.	454.	2,903.
43 TRIPP CO	POINT	0.	0.	0.
	AREA	888.	730.	6,297.
	TOTAL	888.	730.	6,297.
43 TURNER CO	POINT	0.	0.	0.
	AREA	874.	871.	5,274.
	TOTAL	874.	871.	5,274.
43 UNION CO	POINT	0.	0.	0.
	AREA	1,632.	1,097.	6,646.
	TOTAL	1,632.	1,097.	6,646.
43 WALWORTH CO	POINT	12.	162.	25.
	AREA	734.	536.	4,482.
	TOTAL	746.	698.	4,507.
43 WASHABAUGH CO	POINT	0.	0.	0.
	AREA	133.	121.	880.
	TOTAL	133.	121.	880.
43 YANKTON CO	POINT	294.	262.	27.
	AREA	2,320.	1,142.	10,724.
	TOTAL	2,614.	1,404.	10,751.
43 ZIEBACH CO	POINT	0.	0.	0.
	AREA	206.	197.	1,277.
	TOTAL	206.	197.	1,277.
44 ANDERSON CO	POINT	1,324.	21,104.	404.
	AREA	7,006.	3,275.	29,684.
	TOTAL	8,330.	24,379.	30,088.
44 BEDFORD CO	POINT	279.	101.	18.
	AREA	3,566.	1,995.	16,233.
	TOTAL	3,845.	2,096.	16,251.
44 BENTON CO	POINT	1.	34.	18.
	AREA	1,754.	1,025.	7,753.
	TOTAL	1,755.	1,059.	7,771.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
44 BLEDSOE CO	POINT	1.	10.	1.
	AREA	704.	658.	3,451.
	TOTAL	705.	668.	3,452.
44 BLOUNT CO	POINT	815.	1,321.	20,479.
	AREA	7,248.	4,868.	40,463.
	TOTAL	8,063.	6,189.	60,942.
44 BRADLEY CO	POINT	32,766.	152.	747.
	AREA	6,046.	3,517.	28,838.
	TOTAL	38,812.	3,669.	29,585.
44 CAMPBELL CO	POINT	2,893.	55.	3,089.
	AREA	2,705.	1,795.	12,097.
	TOTAL	5,598.	1,850.	15,186.
44 CANNON CO	POINT	30.	11.	401.
	AREA	902.	679.	4,074.
	TOTAL	932.	690.	4,475.
44 CARROLL CO	POINT	90.	58.	268.
	AREA	3,407.	1,959.	15,426.
	TOTAL	3,497.	2,017.	15,694.
44 CARTER CO	POINT	37.	1,303.	106.
	AREA	4,128.	2,787.	19,338.
	TOTAL	4,165.	4,090.	19,444.
44 CHEATHAM CO	POINT	273.	3.	1.
	AREA	1,495.	1,424.	7,024.
	TOTAL	1,768.	1,427.	7,025.
44 CHESTER CO	POINT	0.	9.	0.
	AREA	858.	637.	4,581.
	TOTAL	858.	646.	4,581.
44 CLAIBORNE CO	POINT	157.	26.	11.
	AREA	1,959.	1,561.	8,294.
	TOTAL	2,116.	1,587.	8,305.
44 CLAY CO	POINT	22.	6.	1.
	AREA	849.	454.	3,376.
	TOTAL	871.	460.	3,377.
44 COCKE CO	POINT	806.	249.	131.
	AREA	3,003.	1,724.	12,837.
	TOTAL	3,809.	1,973.	12,968.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
44 COFFEE CO	POINT	520.	177.	375.
	AREA	4,206.	2,137.	20,028.
	TOTAL	4,726.	2,314.	20,403.
44 CROCKETT CO	POINT	35.	68.	1.
	AREA	1,296.	1,161.	5,963.
	TOTAL	1,331.	1,229.	5,964.
44 CUMBERLAND CO	POINT	928.	87.	1,917.
	AREA	2,500.	1,502.	10,272.
	TOTAL	3,428.	1,589.	12,189.
44 DAVIDSON CO	POINT	7,435.	4,564.	2,595.
	AREA	44,106.	23,359.	204,424.
	TOTAL	51,541.	27,923.	207,019.
44 DECATUR CO	POINT	14.	8.	0.
	AREA	1,284.	828.	4,638.
	TOTAL	1,298.	836.	4,638.
44 DE KALB CO	POINT	0.	6.	0.
	AREA	1,745.	918.	6,943.
	TOTAL	1,745.	924.	6,943.
44 DICKSON CO	POINT	456.	9.	0.
	AREA	2,698.	1,728.	11,307.
	TOTAL	3,154.	1,737.	11,307.
44 DYER CO	POINT	519.	140.	25.
	AREA	3,449.	2,627.	16,450.
	TOTAL	3,968.	2,767.	16,475.
44 FAYETTE CO	POINT	23.	2.	6.
	AREA	1,607.	1,224.	7,189.
	TOTAL	1,630.	1,226.	7,195.
44 FENTRESS CO	POINT	1,643.	19.	5,268.
	AREA	1,326.	941.	5,568.
	TOTAL	2,969.	960.	10,836.
44 FRANKLIN CO	POINT	45.	519.	11.
	AREA	3,024.	1,938.	13,982.
	TOTAL	3,069.	2,457.	13,993.
44 GIBSON CO	POINT	246.	230.	130.
	AREA	4,807.	2,964.	24,370.
	TOTAL	5,053.	3,194.	24,500.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
44 GILES CO	POINT	221.	124.	125.
	AREA	2,973.	1,628.	12,959.
	TOTAL	3,194.	1,752.	13,084.
44 GRAINGER CO	POINT	0.	2.	6.
	AREA	1,820.	1,112.	7,339.
	TOTAL	1,820.	1,114.	7,345.
44 GREENE CO	POINT	200.	53.	15.
	AREA	5,503.	3,632.	25,424.
	TOTAL	5,703.	3,685.	25,439.
44 GRUNDY CO	POINT	0.	7.	2.
	AREA	1,153.	812.	5,078.
	TOTAL	1,153.	819.	5,080.
44 HAMBLEN CO	POINT	821.	2,946.	310.
	AREA	5,687.	2,654.	21,682.
	TOTAL	6,508.	5,600.	21,992.
44 HAMILTON CO	POINT	10,338.	7,384.	21,986.
	AREA	25,673.	12,895.	115,164.
	TOTAL	36,011.	20,279.	137,150.
44 HANCOCK CO	POINT	8.	0.	1.
	AREA	549.	421.	2,995.
	TOTAL	557.	421.	2,996.
44 HARDEMAN CO	POINT	394.	81.	72.
	AREA	1,934.	1,436.	9,628.
	TOTAL	2,328.	1,517.	9,700.
44 HARDIN CO	POINT	358.	1,718.	23,457.
	AREA	2,230.	1,417.	9,552.
	TOTAL	2,588.	3,135.	33,009.
44 HAWKINS CO	POINT	1,456.	23,311.	1,323.
	AREA	3,621.	2,474.	17,801.
	TOTAL	5,077.	25,785.	19,124.
44 HAYWOOD CO	POINT	101.	14.	227.
	AREA	1,925.	1,266.	7,732.
	TOTAL	2,026.	1,280.	7,959.
44 HENDERSON CO	POINT	114.	14.	588.
	AREA	2,313.	1,397.	9,631.
	TOTAL	2,427.	1,411.	10,219.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
44 HENRY CO	POINT	255.	167.	22.
	AREA	2,774.	1,832.	15,465.
	TOTAL	3,029.	1,999.	15,487.
44 HICKMAN CO	POINT	142.	2,739.	1,105.
	AREA	1,634.	1,062.	8,320.
	TOTAL	1,776.	3,801.	9,425.
44 HOUSTON CO	POINT	32.	3.	312.
	AREA	652.	527.	3,208.
	TOTAL	684.	530.	3,520.
44 HUMPHREYS CO	POINT	1,295.	38,514.	34,427.
	AREA	1,761.	1,125.	8,260.
	TOTAL	3,056.	39,639.	42,687.
44 JACKSON CO	POINT	14.	19.	2.
	AREA	687.	657.	3,576.
	TOTAL	701.	676.	3,578.
44 JEFFERSON CO	POINT	471.	44.	22.
	AREA	3,539.	2,238.	17,324.
	TOTAL	4,010.	2,282.	17,346.
44 JOHNSON CO	POINT	1.	17.	5.
	AREA	1,339.	1,004.	5,854.
	TOTAL	1,340.	1,021.	5,859.
44 KNOX CO	POINT	504.	1,307.	2,299.
	AREA	29,391.	15,633.	133,069.
	TOTAL	29,895.	16,940.	135,368.
44 LAKE CO	POINT	314.	24.	5.
	AREA	906.	590.	3,707.
	TOTAL	1,220.	614.	3,712.
44 LAUDERDALE CO	POINT	1,111.	22.	15.
	AREA	3,879.	2,599.	11,645.
	TOTAL	4,990.	2,621.	11,660.
44 LAWRENCE CO	POINT	1,037.	45.	64.
	AREA	3,205.	2,392.	18,326.
	TOTAL	4,242.	2,437.	18,390.
44 LEWIS CO	POINT	0.	42.	1.
	AREA	861.	708.	5,045.
	TOTAL	861.	750.	5,046.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
44 LINCOLN CO	POINT	7.	8.	4.
	AREA	2,653.	1,892.	13,524.
	TOTAL	2,660.	1,900.	13,528.
44 LOUDON CO	POINT	645.	211.	57.
	AREA	3,416.	2,066.	14,967.
	TOTAL	4,061.	2,277.	15,024.
44 MC MINN CO	POINT	1,735.	5,422.	8,653.
	AREA	4,450.	2,698.	20,589.
	TOTAL	6,185.	8,120.	29,242.
44 MC NAIRY CO	POINT	86.	4.	6.
	AREA	2,535.	1,729.	11,359.
	TOTAL	2,621.	1,733.	11,365.
44 MACON CO	POINT	15.	19.	146.
	AREA	1,590.	1,079.	6,717.
	TOTAL	1,605.	1,098.	6,863.
44 MADISON CO	POINT	644.	708.	419.
	AREA	6,946.	3,511.	32,705.
	TOTAL	7,590.	4,219.	33,124.
44 MARION CO	POINT	39.	403.	64.
	AREA	2,289.	1,551.	11,026.
	TOTAL	2,328.	1,954.	11,090.
44 MARSHALL CO	POINT	4.	12.	51.
	AREA	2,536.	1,341.	10,851.
	TOTAL	2,540.	1,353.	10,902.
44 MAURY CO	POINT	258.	598.	62.
	AREA	4,794.	3,493.	26,745.
	TOTAL	5,052.	4,091.	26,807.
44 MEIGS CO	POINT	0.	1.	0.
	AREA	964.	575.	3,901.
	TOTAL	964.	576.	3,901.
44 MONROE CO	POINT	119.	22.	57.
	AREA	2,598.	1,769.	12,358.
	TOTAL	2,717.	1,791.	12,415.
44 MONTGOMERY CO	POINT	402.	456.	275.
	AREA	5,701.	4,176.	28,962.
	TOTAL	6,103.	4,632.	29,237.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
44 MOORE CO	POINT	43.	268.	50.
	AREA	219.	240.	1,173.
	TOTAL	262.	508.	1,223.
44 MORGAN CO	POINT	2.	35.	6.
	AREA	1,441.	835.	7,468.
	TOTAL	1,443.	870.	7,474.
44 OBION CO	POINT	158.	189.	1,580.
	AREA	3,314.	2,073.	16,767.
	TOTAL	3,472.	2,262.	18,347.
44 OVERTON CO	POINT	4.	10.	49.
	AREA	1,627.	1,135.	7,694.
	TOTAL	1,631.	1,145.	7,743.
44 PERRY CO	POINT	1,880.	4,696.	1,092.
	AREA	819.	544.	3,062.
	TOTAL	2,699.	5,240.	4,154.
44 PICKETT CO	POINT	0.	2.	2.
	AREA	527.	271.	1,862.
	TOTAL	527.	273.	1,864.
44 POLK CO	POINT	33.	228.	23.
	AREA	1,355.	930.	5,934.
	TOTAL	1,388.	1,158.	5,957.
44 PUTNAM CO	POINT	959.	263.	435.
	AREA	5,326.	2,759.	22,597.
	TOTAL	6,285.	3,022.	23,032.
44 RHEA CO	POINT	371.	6,481.	380.
	AREA	2,367.	1,511.	10,475.
	TOTAL	2,738.	7,992.	10,855.
44 ROANE CO	POINT	626.	36,923.	4,665.
	AREA	5,500.	2,655.	23,000.
	TOTAL	6,126.	39,578.	27,665.
44 ROBERTSON CO	POINT	304.	41.	2.
	AREA	3,236.	2,213.	15,641.
	TOTAL	3,540.	2,254.	15,643.
44 RUTHERFORD CO	POINT	1,186.	267.	31.
	AREA	6,494.	3,694.	30,011.
	TOTAL	7,680.	3,961.	30,042.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
44 SCOTT CO	POINT	206.	190.	214.
	AREA	1,463.	933.	5,948.
	TOTAL	1,669.	1,123.	6,162.
44 SEQUATCHIE CO	POINT	0.	5.	2.
	AREA	643.	523.	2,516.
	TOTAL	643.	528.	2,518.
44 SEVIER CO	POINT	15.	55.	19.
	AREA	3,225.	2,477.	14,052.
	TOTAL	3,240.	2,532.	14,071.
44 SHELBY CO	POINT	13,860.	51,646.	29,725.
	AREA	61,431.	31,974.	280,275.
	TOTAL	75,291.	83,620.	310,000.
44 SMITH CO	POINT	1,563.	27.	1,822.
	AREA	1,271.	1,099.	5,971.
	TOTAL	2,834.	1,126.	7,793.
44 STEWART CO	POINT	809.	47,140.	2,743.
	AREA	1,025.	722.	4,773.
	TOTAL	1,834.	47,862.	7,516.
44 SULLIVAN CO	POINT	18,300.	20,019.	8,307.
	AREA	13,517.	8,226.	69,447.
	TOTAL	31,817.	28,245.	77,754.
44 SUMNER CO	POINT	8,075.	23,366.	1,385.
	AREA	6,153.	3,829.	31,298.
	TOTAL	14,228.	27,195.	32,683.
44 TIPTON CO	POINT	19.	47.	4.
	AREA	2,953.	2,857.	13,259.
	TOTAL	2,972.	2,904.	13,263.
44 TROUSDALE CO	POINT	8.	4.	0.
	AREA	535.	443.	2,169.
	TOTAL	543.	447.	2,169.
44 UNICOI CO	POINT	91.	15.	11.
	AREA	1,800.	1,187.	9,876.
	TOTAL	1,891.	1,202.	9,887.
44 UNION CO	POINT	72.	1.	2.
	AREA	1,089.	646.	4,448.
	TOTAL	1,161.	647.	4,450.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
44 VAN BUREN CO	POINT	0.	0.	0.
	AREA	516.	277.	2,144.
	TOTAL	516.	277.	2,144.
44 WARREN CO	POINT	73.	57.	577.
	AREA	4,049.	2,161.	15,301.
	TOTAL	4,122.	2,218.	15,878.
44 WASHINGTON CO	POINT	1,567.	363.	96.
	AREA	8,466.	5,384.	42,348.
	TOTAL	10,033.	5,747.	42,444.
44 WAYNE CO	POINT	221.	1,547.	84.
	AREA	1,365.	890.	5,991.
	TOTAL	1,586.	2,437.	6,075.
44 WEAKLEY CO	POINT	187.	290.	63.
	AREA	2,940.	2,050.	12,899.
	TOTAL	3,127.	2,340.	12,962.
44 WHITE CO	POINT	93.	39.	143.
	AREA	1,969.	1,247.	8,541.
	TOTAL	2,062.	1,286.	8,684.
44 WILLIAMSON CO	POINT	198.	19.	9.
	AREA	4,479.	2,857.	17,194.
	TOTAL	4,677.	2,876.	17,203.
44 WILSON CO	POINT	106.	20.	0.
	AREA	5,023.	2,786.	20,085.
	TOTAL	5,129.	2,806.	20,085.
45 ANDERSON CO	POINT	707.	218.	5.
	AREA	3,307.	2,048.	17,754.
	TOTAL	4,014.	2,266.	17,759.
45 ANDREWS CO	POINT	2,403.	9,932.	4.
	AREA	1,777.	1,288.	11,330.
	TOTAL	4,180.	11,220.	11,334.
45 ANGELINA CO	POINT	126.	1,961.	1,990.
	AREA	7,276.	3,906.	30,450.
	TOTAL	7,402.	5,867.	32,440.
45 ARANSAS CO	POINT	5,522.	297.	125,436.
	AREA	2,783.	1,286.	10,590.
	TOTAL	8,305.	1,583.	136,026.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 ARCHER CO	POINT	0.	0.	0.
	AREA	955.	716.	4,173.
	TOTAL	955.	716.	4,173.
45 ARMSTRONG CO	POINT	0.	0.	0.
	AREA	547.	526.	2,929.
	TOTAL	547.	526.	2,929.
45 ATASCOSA CO	POINT	805.	824.	14.
	AREA	2,218.	1,444.	13,026.
	TOTAL	3,023.	2,268.	13,040.
45 AUSTIN CO	POINT	1.	49.	563.
	AREA	1,898.	1,496.	9,973.
	TOTAL	1,899.	1,545.	10,536.
45 BAILEY CO	POINT	0.	0.	0.
	AREA	815.	574.	5,099.
	TOTAL	815.	574.	5,099.
45 BANDERA CO	POINT	0.	0.	0.
	AREA	487.	423.	2,326.
	TOTAL	487.	423.	2,326.
45 BASTROP CO	POINT	433.	2,124.	76.
	AREA	2,379.	1,473.	14,097.
	TOTAL	2,812.	3,597.	14,173.
45 BAYLOR CO	POINT	0.	0.	0.
	AREA	987.	441.	5,483.
	TOTAL	987.	441.	5,483.
45 BEE CO	POINT	258.	457.	1.
	AREA	6,351.	3,672.	33,727.
	TOTAL	6,609.	4,129.	33,728.
45 BELL CO	POINT	14,297.	164.	26.
	AREA	12,113.	5,975.	55,391.
	TOTAL	26,410.	6,139.	55,417.
45 BEXAR CO	POINT	4,676.	21,648.	1,504.
	AREA	82,935.	41,890.	464,821.
	TOTAL	87,611.	63,538.	466,325.
45 BLANCO CO	POINT	0.	0.	0.
	AREA	664.	627.	3,887.
	TOTAL	664.	627.	3,887.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 BORDEN CO	POINT	0.	0.	0.
	AREA	188.	123.	1,113.
	TOTAL	188.	123.	1,113.
45 BOSQUE CO	POINT	0.	0.	0.
	AREA	1,344.	930.	6,880.
	TOTAL	1,344.	930.	6,880.
45 BOWIE CO	POINT	84.	205.	278.
	AREA	9,040.	4,801.	49,235.
	TOTAL	9,124.	5,006.	49,513.
45 BRAZORIA CO	POINT	181,758.	41,916.	124,968.
	AREA	11,832.	8,969.	60,172.
	TOTAL	193,590.	50,885.	185,140.
45 BRAZOS CO	POINT	188.	2,540.	60.
	AREA	6,617.	4,257.	38,158.
	TOTAL	6,805.	6,797.	38,218.
45 BREWSTER CO	POINT	0.	0.	0.
	AREA	1,017.	614.	6,224.
	TOTAL	1,017.	614.	6,224.
45 BRISCOE CO	POINT	0.	0.	0.
	AREA	387.	246.	2,302.
	TOTAL	387.	246.	2,302.
45 BROOKS CO	POINT	1,972.	3,045.	31.
	AREA	941.	539.	5,903.
	TOTAL	2,913.	3,584.	5,934.
45 BROWN CO	POINT	2,465.	10.	1.
	AREA	3,982.	1,804.	17,237.
	TOTAL	6,447.	1,814.	17,238.
45 BURLESON CO	POINT	0.	0.	0.
	AREA	1,121.	853.	5,199.
	TOTAL	1,121.	853.	5,199.
45 BURNET CO	POINT	0.	0.	0.
	AREA	1,610.	1,127.	8,066.
	TOTAL	1,610.	1,127.	8,066.
45 CALDWELL CO	POINT	22.	517.	0.
	AREA	1,760.	1,095.	10,368.
	TOTAL	1,782.	1,612.	10,368.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS * HC	NOX	CO
45 CALHOUN CO	POINT	63,732.	94,821.	6,894.
	AREA	5,754.	2,158.	20,780.
	TOTAL	69,486.	96,979.	27,674.
45 CALLAHAN CO	POINT	2.	209.	7.
	AREA	1,393.	1,171.	7,167.
	TOTAL	1,395.	1,380.	7,174.
45 CAMERON CO	POINT	11,883.	4,738.	4,024.
	AREA	16,039.	8,327.	75,719.
	TOTAL	27,922.	13,065.	79,743.
45 CAMP CO	POINT	36.	41.	0.
	AREA	883.	533.	4,633.
	TOTAL	919.	574.	4,633.
45 CARSON CO	POINT	745.	1,644.	5.
	AREA	1,883.	1,108.	6,557.
	TOTAL	2,628.	2,752.	6,562.
45 CASS CO	POINT	2,814.	1,504.	3,362.
	AREA	3,394.	2,268.	15,182.
	TOTAL	6,208.	3,772.	18,544.
45 CASTRO CO	POINT	1,317.	687.	1.
	AREA	1,110.	943.	7,012.
	TOTAL	2,427.	1,630.	7,013.
45 CHAMBERS CO	POINT	1,723.	20,996.	4,125.
	AREA	4,491.	3,349.	17,378.
	TOTAL	6,214.	24,345.	21,503.
45 CHEROKEE CO	POINT	882.	5,744.	1,991.
	AREA	4,042.	2,159.	17,380.
	TOTAL	4,924.	7,903.	19,371.
45 CHILDRESS CO	POINT	0.	0.	0.
	AREA	1,225.	599.	7,928.
	TOTAL	1,225.	599.	7,928.
45 CLAY CO	POINT	54.	144.	0.
	AREA	1,627.	1,088.	9,555.
	TOTAL	1,681.	1,232.	9,555.
45 COCHRAN CO	POINT	51.	477.	1.
	AREA	476.	331.	3,094.
	TOTAL	527.	808.	3,095.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 COKE CO	POINT	243.	5,763.	13.
	AREA	409.	328.	2,051.
	TOTAL	652.	6,091.	2,064.
45 COLEMAN CO	POINT	64.	1,043.	18.
	AREA	1,286.	758.	8,105.
	TOTAL	1,350.	1,801.	8,123.
45 COLLIN CO	POINT	385.	5,230.	129.
	AREA	8,292.	4,964.	41,130.
	TOTAL	8,677.	10,194.	41,259.
45 COLLINGSWORTH CO	POINT	0.	0.	0.
	AREA	600.	318.	4,045.
	TOTAL	600.	318.	4,045.
45 COLORADO CO	POINT	1,731.	3,729.	9.
	AREA	2,800.	1,856.	15,901.
	TOTAL	4,531.	5,585.	15,910.
45 COMAL CO	POINT	0.	227.	0.
	AREA	4,224.	2,196.	24,679.
	TOTAL	4,224.	2,423.	24,679.
45 COMANCHE CO	POINT	0.	3.	0.
	AREA	1,495.	1,085.	8,708.
	TOTAL	1,495.	1,088.	8,708.
45 CONCHO CO	POINT	0.	0.	0.
	AREA	496.	420.	2,644.
	TOTAL	496.	420.	2,644.
45 COOKE CO	POINT	209.	864.	1.
	AREA	3,893.	2,020.	18,279.
	TOTAL	4,102.	2,884.	18,280.
45 CORYELL CO	POINT	0.	0.	0.
	AREA	4,843.	2,348.	17,620.
	TOTAL	4,843.	2,348.	17,620.
45 COTTLE CO	POINT	0.	0.	0.
	AREA	348.	228.	1,673.
	TOTAL	348.	228.	1,673.
45 CRANE CO	POINT	6,471.	13,201.	23.
	AREA	874.	545.	6,750.
	TOTAL	7,345.	13,746.	6,773.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 CROCKETT CO	POINT	848.	15,910.	21.
	AREA	917.	575.	6,412.
	TOTAL	1,765.	16,485.	6,433.
45 CROSBY CO	POINT	0.	0.	0.
	AREA	769.	604.	3,976.
	TOTAL	769.	604.	3,976.
45 CULBERSON CO	POINT	0.	0.	0.
	AREA	895.	700.	4,140.
	TOTAL	895.	700.	4,140.
45 DALLAM CO	POINT	1.	0.	537.
	AREA	1,213.	967.	8,089.
	TOTAL	1,214.	967.	8,626.
45 DALLAS CO	POINT	29,956.	30,935.	1,578.
	AREA	152,822.	73,828.	735,685.
	TOTAL	182,778.	104,763.	737,263.
45 DAWSON CO	POINT	67.	282.	0.
	AREA	1,821.	1,167.	10,810.
	TOTAL	1,888.	1,449.	10,810.
45 DEAF SMITH CO	POINT	0.	0.	3.
	AREA	2,312.	951.	17,424.
	TOTAL	2,312.	951.	17,427.
45 DELTA CO	POINT	0.	0.	0.
	AREA	422.	328.	2,289.
	TOTAL	422.	328.	2,289.
45 DENTON CO	POINT	120.	1,141.	18.
	AREA	11,115.	5,849.	58,028.
	TOTAL	11,235.	6,990.	58,046.
45 DE WITT CO	POINT	104.	417.	0.
	AREA	1,952.	1,088.	10,121.
	TOTAL	2,056.	1,505.	10,121.
45 DICKENS CO	POINT	0.	0.	0.
	AREA	380.	305.	1,958.
	TOTAL	380.	305.	1,958.
45 DIMMIT CO	POINT	2,485.	879.	2.
	AREA	973.	611.	5,448.
	TOTAL	3,458.	1,490.	5,450.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 DONLEY CO	POINT	0.	0.	0.
	AREA	812.	685.	4,184.
	TOTAL	812.	685.	4,184.
45 DUVAL CO	POINT	173.	321.	0.
	AREA	1,080.	737.	6,655.
	TOTAL	1,253.	1,058.	6,655.
45 EASTLAND CO	POINT	209.	563.	3.
	AREA	2,942.	1,645.	17,404.
	TOTAL	3,151.	2,208.	17,407.
45 ECTOR CO	POINT	18,692.	28,567.	11,259.
	AREA	9,845.	6,011.	51,269.
	TOTAL	28,537.	34,578.	62,528.
45 EDWARDS CO	POINT	0.	0.	0.
	AREA	167.	197.	948.
	TOTAL	167.	197.	948.
45 ELLIS CO	POINT	590.	2,745.	30.
	AREA	7,702.	4,011.	37,987.
	TOTAL	8,292.	6,756.	38,017.
45 EL PASO CO	POINT	2,338.	8,281.	18,107.
	AREA	40,657.	14,257.	268,932.
	TOTAL	42,995.	22,538.	287,039.
45 ERATH CO	POINT	31.	1.	0.
	AREA	2,435.	1,357.	13,889.
	TOTAL	2,466.	1,358.	13,889.
45 FALLS CO	POINT	0.	0.	0.
	AREA	1,629.	1,072.	9,147.
	TOTAL	1,629.	1,072.	9,147.
45 FANNIN CO	POINT	119.	7,748.	82.
	AREA	2,090.	1,440.	10,942.
	TOTAL	2,209.	9,188.	11,024.
45 FAYETTE CO	POINT	32.	0.	104.
	AREA	2,526.	1,659.	12,922.
	TOTAL	2,558.	1,659.	13,026.
45 FISHER CO	POINT	132.	773.	10.
	AREA	577.	473.	3,186.
	TOTAL	709.	1,246.	3,196.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 FLOYD CO	POINT	0.	0.	0.
	AREA	984.	699.	5,991.
	TOTAL	984.	699.	5,991.
45 FOARD CO	POINT	0.	0.	0.
	AREA	270.	252.	1,464.
	TOTAL	270.	252.	1,464.
45 FORT BEND CO	POINT	1,422.	13,870.	152.
	AREA	9,079.	4,929.	40,920.
	TOTAL	10,501.	18,799.	41,072.
45 FRANKLIN CO	POINT	301.	555.	2.
	AREA	818.	611.	3,826.
	TOTAL	1,119.	1,166.	3,828.
45 FREESTONE CO	POINT	854.	24,153.	2,292.
	AREA	1,872.	1,448.	10,629.
	TOTAL	2,726.	25,601.	12,921.
45 FRIO CO	POINT	44.	2,025.	11.
	AREA	1,381.	987.	8,346.
	TOTAL	1,425.	3,012.	8,357.
45 GAINES CO	POINT	300.	2,602.	3.
	AREA	1,445.	1,112.	9,019.
	TOTAL	1,745.	3,714.	9,022.
45 GALVESTON CO	POINT	64,217.	46,832.	155,685.
	AREA	18,719.	12,256.	93,551.
	TOTAL	82,936.	59,088.	249,236.
45 GARZA CO	POINT	0.	0.	0.
	AREA	1,002.	549.	6,261.
	TOTAL	1,002.	549.	6,261.
45 GILLESPIE CO	POINT	0.	0.	0.
	AREA	1,479.	886.	8,615.
	TOTAL	1,479.	886.	8,615.
45 GLASSCOCK CO	POINT	0.	0.	0.
	AREA	306.	309.	2,091.
	TOTAL	306.	309.	2,091.
45 GOLIAD CO	POINT	0.	0.	0.
	AREA	586.	479.	3,063.
	TOTAL	586.	479.	3,063.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 GONZALES CO	POINT	18.	72.	0.
	AREA	2,085.	1,402.	11,706.
	TOTAL	2,103.	1,474.	11,706.
45 GRAY CO	POINT	16,606.	2,299.	59,735.
	AREA	3,316.	1,728.	18,498.
	TOTAL	19,922.	4,027.	78,233.
45 GRAYSON CO	POINT	650.	894.	169.
	AREA	10,479.	5,121.	51,094.
	TOTAL	11,129.	6,015.	51,263.
45 GREGG CO	POINT	5,793.	11,974.	541.
	AREA	10,903.	5,562.	51,954.
	TOTAL	16,696.	17,536.	52,495.
45 GRIMES CO	POINT	0.	0.	0.
	AREA	1,514.	954.	8,189.
	TOTAL	1,514.	954.	8,189.
45 GUADALUPE CO	POINT	30.	83.	2.
	AREA	5,203.	2,787.	28,398.
	TOTAL	5,233.	2,870.	28,400.
45 HALE CO	POINT	2,539.	1,609.	1.
	AREA	3,617.	2,269.	21,647.
	TOTAL	6,156.	3,878.	21,648.
45 HALL CO	POINT	0.	0.	0.
	AREA	849.	449.	4,938.
	TOTAL	849.	449.	4,938.
45 HAMILTON CO	POINT	0.	0.	0.
	AREA	893.	579.	4,973.
	TOTAL	893.	579.	4,973.
45 HANSFORD CO	POINT	2,905.	3,763.	4.
	AREA	613.	578.	3,893.
	TOTAL	3,518.	4,341.	3,897.
45 HARDEMAN CO	POINT	25.	589.	6.
	AREA	1,062.	617.	6,466.
	TOTAL	1,087.	1,206.	6,472.
45 HARDIN CO	POINT	841.	1,320.	462.
	AREA	2,681.	2,001.	12,832.
	TOTAL	3,522.	3,321.	13,294.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 HARRIS CO	POINT	209,214.	102,528.	118,098.
	AREA	217,915.	114,657.	1,063,987.
	TOTAL	427,129.	217,185.	1,182,085.
45 HARRISON CO	POINT	10,171.	10,307.	1,990.
	AREA	6,296.	3,862.	34,468.
	TOTAL	16,467.	14,169.	36,458.
45 HARTLEY CO	POINT	0.	0.	0.
	AREA	702.	466.	4,506.
	TOTAL	702.	466.	4,506.
45 HASKELL CO	POINT	33.	2,951.	26.
	AREA	982.	669.	5,919.
	TOTAL	1,015.	3,620.	5,945.
45 HAYS CO	POINT	2.	63.	4.
	AREA	3,806.	2,185.	22,231.
	TOTAL	3,808.	2,248.	22,235.
45 HEMPHILL CO	POINT	0.	0.	0.
	AREA	591.	533.	2,504.
	TOTAL	591.	533.	2,504.
45 HENDERSON CO	POINT	1,764.	4,696.	52.
	AREA	3,154.	2,283.	16,096.
	TOTAL	4,918.	6,979.	16,148.
45 HIDALGO CO	POINT	1,652.	4,414.	37.
	AREA	16,153.	10,201.	90,732.
	TOTAL	17,805.	14,615.	90,769.
45 HILL CO	POINT	0.	0.	0.
	AREA	3,729.	2,240.	20,400.
	TOTAL	3,729.	2,240.	20,400.
45 HOCKLEY CO	POINT	472.	5,012.	3.
	AREA	2,089.	1,374.	12,513.
	TOTAL	2,561.	6,386.	12,516.
45 HOOD CO	POINT	10.	7,395.	180.
	AREA	888.	795.	4,262.
	TOTAL	898.	8,190.	4,442.
45 HOPKINS CO	POINT	351.	849.	6.
	AREA	3,065.	1,950.	17,338.
	TOTAL	3,416.	2,799.	17,344.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
45 HOUSTON CO	POINT	7,863.	122.	586.
	AREA	1,934.	1,353.	9,888.
	TOTAL	9,797.	1,475.	10,474.
45 HOWARD CO	POINT	13,529.	6,386.	69,864.
	AREA	4,520.	3,085.	26,405.
	TOTAL	18,049.	9,471.	96,269.
45 HUDSPETH CO	POINT	0.	4.	0.
	AREA	1,367.	1,130.	7,235.
	TOTAL	1,367.	1,134.	7,235.
45 HUNT CO	POINT	964.	913.	22.
	AREA	6,724.	3,349.	34,423.
	TOTAL	7,688.	4,262.	34,445.
45 HUTCHINSON CO	POINT	52,860.	24,575.	460,815.
	AREA	2,424.	2,204.	13,142.
	TOTAL	55,284.	26,779.	473,957.
45 IRION CO	POINT	8.	92.	0.
	AREA	222.	193.	1,171.
	TOTAL	230.	285.	1,171.
45 JACK CO	POINT	159.	411.	0.
	AREA	947.	582.	5,684.
	TOTAL	1,106.	993.	5,684.
45 JACKSON CO	POINT	1,717.	2,307.	1.
	AREA	1,747.	1,246.	10,633.
	TOTAL	3,464.	3,553.	10,634.
45 JASPER CO	POINT	1,946.	1,404.	12,801.
	AREA	3,651.	2,160.	15,701.
	TOTAL	5,597.	3,564.	28,502.
45 JEFF DAVIS CO	POINT	0.	0.	0.
	AREA	233.	231.	1,227.
	TOTAL	233.	231.	1,227.
45 JEFFERSON CO	POINT	261,088.	86,145.	131,591.
	AREA	27,208.	21,328.	147,224.
	TOTAL	288,296.	107,473.	278,815.
45 JIM HOGG CO	POINT	0.	0.	0.
	AREA	334.	209.	2,080.
	TOTAL	334.	209.	2,080.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 JIM WELLS CO	POINT	4,206.	9,081.	221.
	AREA	3,214.	2,345.	19,895.
	TOTAL	7,420.	11,426.	20,116.
45 JOHNSON CO	POINT	8,728.	91.	15.
	AREA	5,764.	3,309.	27,997.
	TOTAL	14,492.	3,400.	28,012.
45 JONES CO	POINT	2,489.	7,738.	145.
	AREA	2,164.	1,259.	13,089.
	TOTAL	4,653.	8,997.	13,234.
45 KARNES CO	POINT	324.	338.	4.
	AREA	1,486.	934.	8,771.
	TOTAL	1,810.	1,272.	8,775.
45 KAUFMAN CO	POINT	146.	6.	0.
	AREA	5,168.	3,049.	28,587.
	TOTAL	5,314.	3,055.	28,587.
45 KENDALL CO	POINT	0.	0.	0.
	AREA	838.	705.	4,146.
	TOTAL	838.	705.	4,146.
45 KENEDY CO	POINT	707.	1,049.	39.
	AREA	4,156.	517.	13,929.
	TOTAL	4,863.	1,566.	13,968.
45 KENT CO	POINT	0.	0.	0.
	AREA	288.	144.	1,333.
	TOTAL	288.	144.	1,333.
45 KERR CO	POINT	0.	0.	0.
	AREA	2,298.	1,301.	12,029.
	TOTAL	2,298.	1,301.	12,029.
45 KIMBLE CO	POINT	7.	34.	7.
	AREA	917.	503.	5,824.
	TOTAL	924.	537.	5,831.
45 KING CO	POINT	0.	0.	0.
	AREA	165.	149.	906.
	TOTAL	165.	149.	906.
45 KINNEY CO	POINT	0.	0.	0.
	AREA	294.	311.	1,631.
	TOTAL	294.	311.	1,631.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 KLEBERG CO	POINT	8,613.	15,066.	234.
	AREA	4,001.	2,069.	20,121.
	TOTAL	12,614.	17,135.	20,355.
45 KNOX CO	POINT	46.	30.	0.
	AREA	615.	460.	2,994.
	TOTAL	661.	490.	2,994.
45 LAMAR CO	POINT	14.	77.	147.
	AREA	4,433.	2,288.	21,589.
	TOTAL	4,447.	2,365.	21,736.
45 LAMB CO	POINT	12.	3,085.	43.
	AREA	1,532.	1,141.	8,326.
	TOTAL	1,544.	4,226.	8,369.
45 LAMPASAS CO	POINT	0.	0.	0.
	AREA	1,185.	709.	6,796.
	TOTAL	1,185.	709.	6,796.
45 LA SALLE CO	POINT	0.	0.	0.
	AREA	947.	572.	6,951.
	TOTAL	947.	572.	6,951.
45 LAVACA CO	POINT	523.	559.	2.
	AREA	1,705.	1,173.	9,320.
	TOTAL	2,228.	1,732.	9,322.
45 LEE CO	POINT	0.	0.	0.
	AREA	1,174.	702.	6,186.
	TOTAL	1,174.	702.	6,186.
45 LEON CO	POINT	0.	0.	0.
	AREA	1,668.	1,392.	8,108.
	TOTAL	1,668.	1,392.	8,108.
45 LIBERTY CO	POINT	338.	874.	2,050.
	AREA	4,124.	3,210.	24,873.
	TOTAL	4,462.	4,084.	26,923.
45 LIMESTONE CO	POINT	7.	92.	183.
	AREA	1,643.	1,074.	8,300.
	TOTAL	1,650.	1,166.	8,483.
45 LIPSCOMB CO	POINT	0.	0.	0.
	AREA	314.	301.	1,674.
	TOTAL	314.	301.	1,674.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 LIVE OAK CO	POINT	455.	655.	2.
	AREA	1,353.	984.	6,354.
	TOTAL	1,808.	1,639.	6,356.
45 LLANO CO	POINT	6.	4,761.	115.
	AREA	1,069.	618.	5,178.
	TOTAL	1,075.	5,379.	5,293.
45 LOVING CO	POINT	0.	0.	0.
	AREA	354.	283.	1,805.
	TOTAL	354.	283.	1,805.
45 LUBBOCK CO	POINT	994.	14,773.	622.
	AREA	22,076.	11,431.	116,710.
	TOTAL	23,070.	26,204.	117,332.
45 LYNN CO	POINT	1,935.	387.	5,482.
	AREA	941.	683.	5,734.
	TOTAL	2,876.	1,070.	11,216.
45 MC CULLOCH CO	POINT	0.	877.	0.
	AREA	1,196.	796.	7,072.
	TOTAL	1,196.	1,673.	7,072.
45 MC LENNAN CO	POINT	5,358.	17,916.	111.
	AREA	19,964.	10,201.	110,801.
	TOTAL	25,322.	28,117.	110,912.
45 MC MULLEN CO	POINT	1.	98.	2.
	AREA	843.	714.	4,581.
	TOTAL	844.	812.	4,583.
45 MADISON CO	POINT	0.	0.	0.
	AREA	1,298.	992.	7,622.
	TOTAL	1,298.	992.	7,622.
45 MARION CO	POINT	29.	18,390.	456.
	AREA	1,332.	829.	6,691.
	TOTAL	1,361.	19,219.	7,147.
45 MARTIN CO	POINT	58.	582.	2.
	AREA	788.	678.	4,071.
	TOTAL	846.	1,260.	4,073.
45 MASON CO	POINT	0.	0.	0.
	AREA	386.	314.	1,993.
	TOTAL	386.	314.	1,993.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 MATAGORDA CO	POINT	10,497.	4,305.	1,566.
	AREA	5,666.	3,646.	24,645.
	TOTAL	16,163.	7,951.	26,211.
45 MAVERICK CO	POINT	0.	10.	0.
	AREA	1,968.	815.	13,768.
	TOTAL	1,968.	825.	13,768.
45 MEDINA CO	POINT	0.	2.	0.
	AREA	2,081.	1,232.	10,665.
	TOTAL	2,081.	1,234.	10,665.
45 MENARD CO	POINT	0.	0.	0.
	AREA	419.	610.	3,814.
	TOTAL	419.	610.	3,814.
45 MIDLAND CO	POINT	4,114.	11,381.	8.
	AREA	9,548.	5,524.	62,338.
	TOTAL	13,662.	16,905.	62,346.
45 MILAM CO	POINT	524.	9,244.	674.
	AREA	2,177.	1,378.	12,864.
	TOTAL	2,701.	10,622.	13,538.
45 MILLS CO	POINT	0.	0.	0.
	AREA	495.	413.	2,675.
	TOTAL	495.	413.	2,675.
45 MITCHELL CO	POINT	84.	12,549.	61.
	AREA	1,517.	999.	9,046.
	TOTAL	1,601.	13,548.	9,107.
45 MONTAGUE CO	POINT	0.	0.	0.
	AREA	2,193.	1,410.	12,224.
	TOTAL	2,193.	1,410.	12,224.
45 MONTGOMERY CO	POINT	5,639.	9,106.	67,518.
	AREA	7,388.	6,136.	36,494.
	TOTAL	13,027.	15,242.	104,012.
45 MOORE CO	POINT	16,668.	24,730.	113,337.
	AREA	1,580.	991.	9,050.
	TOTAL	18,248.	25,721.	122,387.
45 MORRIS CO	POINT	1,624.	11,459.	7,142.
	AREA	1,542.	1,267.	9,702.
	TOTAL	3,166.	12,726.	16,844.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 MOTLEY CO	POINT	0.	0.	0.
	AREA	415.	204.	1,946.
	TOTAL	415.	204.	1,946.
45 NACOGDOCHES CO	POINT	184.	53.	113.
	AREA	4,969.	2,431.	23,709.
	TOTAL	5,153.	2,484.	23,822.
45 NAVARRO CO	POINT	742.	2,839.	158.
	AREA	4,860.	2,631.	27,690.
	TOTAL	5,602.	5,470.	27,848.
45 NEWTON CO	POINT	0.	0.	0.
	AREA	1,322.	847.	6,266.
	TOTAL	1,322.	847.	6,266.
45 NOLAN CO	POINT	180.	2,486.	0.
	AREA	2,773.	1,453.	16,994.
	TOTAL	2,953.	3,939.	16,994.
45 NUECES CO	POINT	71,715.	36,600.	52,529.
	AREA	28,033.	15,647.	157,180.
	TOTAL	99,748.	52,247.	209,709.
45 OCHILTREE CO	POINT	258.	134.	0.
	AREA	1,181.	678.	7,202.
	TOTAL	1,439.	812.	7,202.
45 OLDHAM CO	POINT	0.	0.	0.
	AREA	1,021.	800.	4,856.
	TOTAL	1,021.	800.	4,856.
45 ORANGE CO	POINT	32,455.	117,317.	91,919.
	AREA	8,644.	5,519.	38,637.
	TOTAL	41,099.	122,836.	130,556.
45 PALO PINTO CO	POINT	362.	4,891.	20.
	AREA	3,628.	1,752.	15,648.
	TOTAL	3,990.	6,643.	15,668.
45 PANOLA CO	POINT	4,699.	3,205.	132.
	AREA	2,048.	1,336.	11,746.
	TOTAL	6,747.	4,541.	11,878.
45 PARKER CO	POINT	651.	1,522.	11.
	AREA	4,309.	2,636.	23,696.
	TOTAL	4,960.	4,158.	23,707.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 PARMER CO	POINT	0.	0.	0.
	AREA	1,067.	907.	6,394.
	TOTAL	1,067.	907.	6,394.
45 PECOS CO	POINT	10,187.	6,447.	231.
	AREA	2,156.	1,315.	13,804.
	TOTAL	12,343.	7,762.	14,035.
45 POLK CO	POINT	141.	510.	524.
	AREA	2,577.	1,824.	12,676.
	TOTAL	2,718.	2,334.	13,200.
45 POTTER CO	POINT	14,684.	16,611.	1,652.
	AREA	16,323.	11,055.	102,585.
	TOTAL	31,007.	27,666.	104,237.
45 PRESIDIO CO	POINT	0.	0.	0.
	AREA	518.	358.	2,898.
	TOTAL	518.	358.	2,898.
45 RAINS CO	POINT	0.	0.	0.
	AREA	547.	405.	2,612.
	TOTAL	547.	405.	2,612.
45 RANDALL CO	POINT	0.	0.	0.
	AREA	5,607.	3,189.	36,285.
	TOTAL	5,607.	3,189.	36,285.
45 REAGAN CO	POINT	526.	3,071.	4.
	AREA	358.	296.	1,636.
	TOTAL	884.	3,367.	1,640.
45 REAL CO	POINT	0.	0.	0.
	AREA	236.	225.	1,426.
	TOTAL	236.	225.	1,426.
45 RED RIVER CO	POINT	85.	291.	94.
	AREA	1,736.	976.	8,392.
	TOTAL	1,821.	1,267.	8,486.
45 REEVES CO	POINT	3,043.	1,106.	87.
	AREA	2,338.	1,271.	14,538.
	TOTAL	5,381.	2,377.	14,625.
45 REFUGIO CO	POINT	867.	3,839.	44.
	AREA	3,973.	2,837.	24,271.
	TOTAL	4,840.	6,676.	24,315.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 ROBERTS CO	POINT	0.	0.	0.
	AREA	311.	185.	1,423.
	TOTAL	311.	185.	1,423.
45 ROBERTSON CO	POINT	857.	2.	83.
	AREA	1,440.	1,096.	8,746.
	TOTAL	2,297.	1,098.	8,829.
45 ROCKWALL CO	POINT	0.	0.	0.
	AREA	1,518.	1,019.	8,671.
	TOTAL	1,518.	1,019.	8,671.
45 RUNNELS CO	POINT	59.	48.	1.
	AREA	1,456.	863.	8,130.
	TOTAL	1,515.	911.	8,131.
45 RUSK CO	POINT	1,216.	21,352.	4,421.
	AREA	4,196.	2,762.	21,330.
	TOTAL	5,412.	24,114.	25,751.
45 SABINE CO	POINT	0.	0.	0.
	AREA	749.	566.	2,985.
	TOTAL	749.	566.	2,985.
45 SAN AUGUSTINE CO	POINT	35.	0.	0.
	AREA	1,277.	590.	5,859.
	TOTAL	1,312.	590.	5,859.
45 SAN JACINTO CO	POINT	0.	0.	0.
	AREA	974.	823.	5,502.
	TOTAL	974.	823.	5,502.
45 SAN PATRICIO CO	POINT	15,126.	76,987.	4,324.
	AREA	4,405.	2,989.	24,699.
	TOTAL	19,531.	79,976.	29,023.
45 SAN SABA CO	POINT	0.	0.	0.
	AREA	552.	381.	3,294.
	TOTAL	552.	381.	3,294.
45 SCHLEICHER CO	POINT	159.	848.	1.
	AREA	337.	356.	2,300.
	TOTAL	496.	1,204.	2,301.
45 SCURRY CO	POINT	2,225.	9,815.	88.
	AREA	2,194.	1,320.	13,714.
	TOTAL	4,419.	11,135.	13,802.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
45 SHACKELFORD CO	POINT	101.	501.	0.
	AREA	453.	443.	2,133.
	TOTAL	554.	944.	2,133.
45 SHELBY CO	POINT	334.	336.	99.
	AREA	2,191.	1,562.	9,790.
	TOTAL	2,525.	1,898.	9,889.
45 SHERMAN CO	POINT	0.	0.	0.
	AREA	511.	515.	3,066.
	TOTAL	511.	515.	3,066.
45 SMITH CO	POINT	21,702.	1,595.	171.
	AREA	13,057.	7,377.	68,308.
	TOTAL	34,759.	8,972.	68,479.
45 SOMERVELL CO	POINT	0.	0.	0.
	AREA	347.	341.	1,834.
	TOTAL	347.	341.	1,834.
45 STARR CO	POINT	1,062.	2,685.	19.
	AREA	1,264.	971.	6,583.
	TOTAL	2,326.	3,656.	6,602.
45 STEPHENS CO	POINT	78.	352.	0.
	AREA	1,527.	1,009.	9,625.
	TOTAL	1,605.	1,361.	9,625.
45 STERLING CO	POINT	0.	0.	0.
	AREA	306.	275.	1,603.
	TOTAL	306.	275.	1,603.
45 STONEWALL CO	POINT	23.	68.	0.
	AREA	294.	315.	1,702.
	TOTAL	317.	383.	1,702.
45 SUTTON CO	POINT	922.	360.	3.
	AREA	579.	559.	2,614.
	TOTAL	1,501.	919.	2,617.
45 SWISHER CO	POINT	62.	1.	0.
	AREA	1,340.	918.	8,586.
	TOTAL	1,402.	919.	8,586.
45 TARRANT CO	POINT	35,449.	20,256.	1,821.
	AREA	95,007.	44,586.	498,752.
	TOTAL	130,456.	64,842.	500,573.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 TAYLOR CO	POINT	348.	235.	24.
	AREA	13,302.	7,680.	74,985.
	TOTAL	13,650.	7,915.	75,009.
45 TERRELL CO	POINT	1,689.	10,071.	4.
	AREA	185.	180.	905.
	TOTAL	1,874.	10,251.	909.
45 TERRY CO	POINT	40.	1,809.	55.
	AREA	1,811.	1,309.	11,158.
	TOTAL	1,851.	3,118.	11,213.
45 THROCKMORTON CO	POINT	0.	0.	0.
	AREA	246.	189.	1,276.
	TOTAL	246.	189.	1,276.
45 TITUS CO	POINT	3,862.	51,484.	10,663.
	AREA	2,551.	1,494.	14,225.
	TOTAL	6,413.	52,978.	24,888.
45 TOM GREEN CO	POINT	109.	3,591.	427.
	AREA	6,640.	3,759.	30,046.
	TOTAL	6,749.	7,350.	30,473.
45 TRAVIS CO	POINT	8,751.	4,963.	195.
	AREA	39,740.	25,116.	212,107.
	TOTAL	48,491.	30,079.	212,302.
45 TRINITY CO	POINT	11.	1.	134.
	AREA	828.	583.	4,452.
	TOTAL	839.	584.	4,586.
45 TYLER CO	POINT	69.	6.	1,298.
	AREA	1,485.	959.	6,863.
	TOTAL	1,554.	965.	8,161.
45 UPSHUR CO	POINT	38.	21.	0.
	AREA	2,271.	1,537.	11,587.
	TOTAL	2,309.	1,558.	11,587.
45 UPTON CO	POINT	744.	3,059.	3.
	AREA	553.	406.	3,569.
	TOTAL	1,297.	3,465.	3,572.
45 UVALDE CO	POINT	0.	0.	0.
	AREA	1,982.	1,205.	11,691.
	TOTAL	1,982.	1,205.	11,691.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 VAL VERDE CO	POINT	77.	12.	0.
	AREA	3,505.	1,594.	16,107.
	TOTAL	3,582.	1,606.	16,107.
45 VAN ZANDT CO	POINT	803.	1,613.	4.
	AREA	2,965.	2,363.	15,000.
	TOTAL	3,768.	3,976.	15,004.
45 VICTORIA CO	POINT	7,386.	9,934.	14,835.
	AREA	6,124.	3,949.	34,365.
	TOTAL	13,510.	13,883.	49,200.
45 WALKER CO	POINT	276.	600.	1,532.
	AREA	3,738.	2,223.	20,286.
	TOTAL	4,014.	2,823.	21,818.
45 WALLER CO	POINT	5,094.	3,828.	258.
	AREA	1,671.	1,339.	9,364.
	TOTAL	6,765.	5,167.	9,622.
45 WARD CO	POINT	3,037.	11,577.	45.
	AREA	1,716.	1,108.	10,670.
	TOTAL	4,753.	12,685.	10,715.
45 WASHINGTON CO	POINT	0.	0.	0.
	AREA	2,446.	1,679.	11,420.
	TOTAL	2,446.	1,679.	11,420.
45 WEBB CO	POINT	467.	2,565.	562.
	AREA	6,217.	3,401.	37,022.
	TOTAL	6,684.	5,966.	37,584.
45 WHARTON CO	POINT	714.	7,233.	71.
	AREA	3,783.	2,473.	21,157.
	TOTAL	4,497.	9,706.	21,228.
45 WHEELER CO	POINT	4,557.	517.	99,229.
	AREA	1,377.	873.	7,924.
	TOTAL	5,934.	1,390.	107,153.
45 WICHITA CO	POINT	2,185.	132.	7.
	AREA	22,778.	11,331.	143,632.
	TOTAL	24,963.	11,463.	143,639.
45 WILBARGER CO	POINT	16.	662.	22.
	AREA	2,193.	1,176.	14,013.
	TOTAL	2,209.	1,838.	14,035.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
45 WILLACY CO	POINT	236.	1,309.	0.
	AREA	2,530.	868.	10,890.
	TOTAL	2,766.	2,177.	10,890.
45 WILLIAMSON CO	POINT	6,561.	8.	29.
	AREA	6,425.	3,814.	38,100.
	TOTAL	12,986.	3,822.	38,129.
45 WILSON CO	POINT	0.	0.	0.
	AREA	1,425.	1,129.	7,991.
	TOTAL	1,425.	1,129.	7,991.
45 WINKLER CO	POINT	10,499.	8,873.	60.
	AREA	899.	732.	5,671.
	TOTAL	11,398.	9,605.	5,731.
45 WISE CO	POINT	1,301.	1,442.	4.
	AREA	2,982.	2,178.	17,893.
	TOTAL	4,283.	3,620.	17,897.
45 WOOD CO	POINT	561.	5,840.	68.
	AREA	2,296.	1,181.	16,017.
	TOTAL	2,857.	7,021.	16,085.
45 YOAKUM CO	POINT	948.	7,576.	107.
	AREA	841.	645.	5,462.
	TOTAL	1,789.	8,221.	5,569.
45 YOUNG CO	POINT	422.	7,691.	51.
	AREA	1,903.	1,029.	10,121.
	TOTAL	2,325.	8,720.	10,172.
45 ZAPATA CO	POINT	0.	0.	0.
	AREA	963.	378.	3,750.
	TOTAL	963.	378.	3,750.
45 ZAVALA CO	POINT	0.	0.	0.
	AREA	1,103.	622.	6,493.
	TOTAL	1,103.	622.	6,493.
46 BEAVER CO	POINT	0.	0.	0.
	AREA	1,035.	486.	7,374.
	TOTAL	1,035.	486.	7,374.
46 BOX ELDER CO	POINT	8.	300.	28.
	AREA	6,609.	2,510.	46,362.
	TOTAL	6,617.	2,810.	46,390.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
46 CACHE CO	POINT	0.	7.	0.
	AREA	5,926.	2,681.	36,259.
	TOTAL	5,926.	2,688.	36,259.
46 CARBON CO	POINT	81.	4,891.	271.
	AREA	1,768.	894.	11,019.
	TOTAL	1,849.	5,785.	11,290.
46 DAGGETT CO	POINT	0.	0.	0.
	AREA	188.	95.	1,442.
	TOTAL	188.	95.	1,442.
46 DAVIS CO	POINT	1,386.	870.	25,953.
	AREA	11,362.	5,405.	84,247.
	TOTAL	12,748.	6,275.	110,200.
46 DUCHESNE CO	POINT	2.	0.	26.
	AREA	1,623.	1,053.	11,864.
	TOTAL	1,625.	1,053.	11,890.
46 EMERY CO	POINT	207.	12,513.	693.
	AREA	2,295.	1,170.	17,907.
	TOTAL	2,502.	13,683.	18,600.
46 GARFIELD CO	POINT	215.	19.	2,548.
	AREA	1,086.	469.	7,594.
	TOTAL	1,301.	488.	10,142.
46 GRAND CO	POINT	190.	0.	43.
	AREA	1,793.	597.	14,904.
	TOTAL	1,983.	597.	14,947.
46 IRON CO	POINT	1.	92.	5.
	AREA	2,749.	1,005.	21,208.
	TOTAL	2,750.	1,097.	21,213.
46 JUAB CO	POINT	0.	0.	0.
	AREA	1,835.	695.	16,103.
	TOTAL	1,835.	695.	16,103.
46 KANE CO	POINT	0.	0.	0.
	AREA	989.	396.	6,587.
	TOTAL	989.	396.	6,587.
46 MILLARD CO	POINT	0.	0.	0.
	AREA	1,933.	1,110.	14,550.
	TOTAL	1,933.	1,110.	14,550.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
46 MORGAN CO	POINT	0.	2,378.	0.
	AREA	612.	342.	4,097.
	TOTAL	612.	2,720.	4,097.
46 PIUTE CO	POINT	0.	0.	0.
	AREA	394.	195.	3,045.
	TOTAL	394.	195.	3,045.
46 RICH CO	POINT	0.	0.	0.
	AREA	354.	306.	1,680.
	TOTAL	354.	306.	1,680.
46 SALT LAKE CO	POINT	5,118.	19,795.	5,493.
	AREA	59,289.	27,603.	382,563.
	TOTAL	64,407.	47,398.	388,056.
46 SAN JUAN CO	POINT	0.	0.	0.
	AREA	1,894.	903.	12,772.
	TOTAL	1,894.	903.	12,772.
46 SANPETE CO	POINT	0.	0.	0.
	AREA	1,874.	1,040.	11,332.
	TOTAL	1,874.	1,040.	11,332.
46 SEVIER CO	POINT	0.	0.	0.
	AREA	2,366.	1,176.	17,847.
	TOTAL	2,366.	1,176.	17,847.
46 SUMMIT CO	POINT	0.	0.	0.
	AREA	1,802.	1,002.	14,165.
	TOTAL	1,802.	1,002.	14,165.
46 TOOELE CO	POINT	196.	351.	7,917.
	AREA	3,889.	1,512.	29,831.
	TOTAL	4,085.	1,863.	37,748.
46 UINTAH CO	POINT	0.	0.	0.
	AREA	2,141.	1,067.	14,608.
	TOTAL	2,141.	1,067.	14,608.
46 UTAH CO	POINT	53.	2,476.	14,492.
	AREA	15,137.	7,116.	108,753.
	TOTAL	15,190.	9,592.	123,245.
46 WASATCH CO	POINT	0.	0.	0.
	AREA	1,506.	652.	11,906.
	TOTAL	1,506.	652.	11,906.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS * HC	NOX	CO
46 WASHINGTON CO	POINT	0.	0.	0.
	AREA	2,673.	1,117.	18,981.
	TOTAL	2,673.	1,117.	18,981.
46 WAYNE CO	POINT	0.	0.	0.
	AREA	454.	213.	3,219.
	TOTAL	454.	213.	3,219.
46 WEBER CO	POINT	499.	158.	672.
	AREA	12,814.	6,801.	97,504.
	TOTAL	13,313.	6,959.	98,176.
47 ADDISON CO	POINT	1,365.	106.	20.
	AREA	1,926.	1,591.	8,654.
	TOTAL	3,291.	1,697.	8,674.
47 BENNINGTON CO	POINT	403.	72.	9.
	AREA	2,585.	1,618.	9,645.
	TOTAL	2,988.	1,690.	9,654.
47 CALEDONIA CO	POINT	40.	35.	4.
	AREA	1,854.	1,492.	6,738.
	TOTAL	1,894.	1,527.	6,742.
47 CHITTENDEN CO	POINT	1,645.	267.	59.
	AREA	7,341.	4,494.	35,406.
	TOTAL	8,986.	4,761.	35,465.
47 ESSEX CO	POINT	194.	2.	0.
	AREA	859.	336.	1,601.
	TOTAL	1,053.	338.	1,601.
47 FRANKLIN CO	POINT	554.	75.	9.
	AREA	2,665.	1,714.	11,331.
	TOTAL	3,219.	1,789.	11,340.
47 GRAND ISLE CO	POINT	0.	0.	0.
	AREA	594.	256.	2,398.
	TOTAL	594.	256.	2,398.
47 LAMOILLE CO	POINT	12.	63.	12.
	AREA	1,125.	951.	4,257.
	TOTAL	1,137.	1,014.	4,269.
47 ORANGE CO	POINT	235.	41.	8.
	AREA	1,583.	1,232.	6,405.
	TOTAL	1,818.	1,273.	6,413.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
47 ORLEANS CO	POINT	436.	116.	16.
	AREA	1,795.	1,299.	8,174.
	TOTAL	2,231.	1,415.	8,190.
47 RUTLAND CO	POINT	218.	59.	23.
	AREA	4,902.	2,987.	18,876.
	TOTAL	5,120.	3,046.	18,899.
47 WASHINGTON CO	POINT	27.	68.	15.
	AREA	3,937.	2,532.	18,594.
	TOTAL	3,964.	2,600.	18,609.
47 WINDHAM CO	POINT	197.	26.	4.
	AREA	3,768.	2,209.	12,972.
	TOTAL	3,965.	2,235.	12,976.
47 WINDSOR CO	POINT	276.	20.	4.
	AREA	4,132.	2,883.	15,639.
	TOTAL	4,408.	2,903.	15,643.
48 ACCOMACK CO	POINT	10.	25.	3.
	AREA	3,664.	1,946.	13,994.
	TOTAL	3,674.	1,971.	13,997.
48 ALBEMARLE CO	POINT	7.	132.	17.
	AREA	7,677.	3,598.	31,393.
	TOTAL	7,684.	3,730.	31,410.
48 ALEXANDRIA	POINT	230.	8,584.	1,975.
	AREA	3,093.	1,679.	6,592.
	TOTAL	3,323.	10,263.	8,567.
48 ALLEGHANY CO	POINT	301.	4,412.	5,136.
	AREA	12,797.	8,648.	87,623.
	TOTAL	13,098.	13,060.	92,759.
48 AMELIA CO	POINT	0.	0.	0.
	AREA	1,637.	1,356.	8,483.
	TOTAL	1,637.	1,356.	8,483.
48 AMHERST CO	POINT	79.	966.	545.
	AREA	913.	732.	3,840.
	TOTAL	992.	1,698.	4,385.
48 APPOMATTOX CO	POINT	256.	55.	17.
	AREA	1,490.	1,283.	7,051.
	TOTAL	1,746.	1,338.	7,068.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
48 ARLINGTON CO	POINT	70.	800.	104.
	AREA	5,906.	4,156.	12,276.
	TOTAL	5,976.	4,956.	12,380.
48 AUGUSTA CO	POINT	3,725.	1,795.	151.
	AREA	14,204.	8,015.	78,071.
	TOTAL	17,929.	9,810.	78,222.
48 BATH CO	POINT	0.	0.	0.
	AREA	4,417.	4,511.	26,844.
	TOTAL	4,417.	4,511.	26,844.
48 BEDFORD CO	POINT	785.	1,131.	122.
	AREA	1,484.	825.	5,119.
	TOTAL	2,269.	1,956.	5,241.
48 BLAND CO	POINT	0.	0.	0.
	AREA	1,624.	1,605.	8,516.
	TOTAL	1,624.	1,605.	8,516.
48 BOTETOURT CO	POINT	1.	724.	0.
	AREA	1,099.	578.	2,985.
	TOTAL	1,100.	1,302.	2,985.
48 BRUNSWICK CO	POINT	2.	15.	3.
	AREA	1,638.	1,178.	7,174.
	TOTAL	1,640.	1,193.	7,177.
48 BUCHANAN CO	POINT	870.	8.	263.
	AREA	1,316.	1,142.	5,062.
	TOTAL	2,186.	1,150.	5,325.
48 BUCKINGHAM CO	POINT	2.	0.	0.
	AREA	1,771.	1,544.	10,270.
	TOTAL	1,773.	1,544.	10,270.
48 CAMPBELL CO	POINT	304.	743.	24,155.
	AREA	2,357.	1,133.	6,010.
	TOTAL	2,661.	1,876.	30,165.
48 CAROLINE CO	POINT	7.	0.	82.
	AREA	5,705.	5,024.	30,416.
	TOTAL	5,712.	5,024.	30,498.
48 CARROLL CO	POINT	592.	80.	9.
	AREA	2,599.	1,144.	7,680.
	TOTAL	3,191.	1,224.	7,689.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS * HC	NOX	CO
48 CHARLES CITY CO	POINT	0.	0.	0.
	AREA	1,067.	832.	5,268.
	TOTAL	1,067.	832.	5,268.
48 CHARLOTTE CO	POINT	0.	12.	1.
	AREA	605.	396.	2,240.
	TOTAL	605.	408.	2,241.
48 CHESAPEAKE	POINT	2,933.	11,625.	538.
	AREA	7,373.	4,385.	46,412.
	TOTAL	10,306.	16,010.	46,950.
48 CHESTERFIELD CO	POINT	4,151.	15,732.	833.
	AREA	7,633.	3,199.	20,240.
	TOTAL	11,784.	18,931.	21,073.
48 CLARKE CO	POINT	0.	0.	0.
	AREA	979.	624.	3,045.
	TOTAL	979.	624.	3,045.
48 CRAIG CO	POINT	0.	0.	0.
	AREA	290.	286.	1,423.
	TOTAL	290.	286.	1,423.
48 CULPEPER CO	POINT	120.	10.	15.
	AREA	1,939.	1,279.	9,147.
	TOTAL	2,059.	1,289.	9,162.
48 CUMBERLAND CO	POINT	0.	0.	0.
	AREA	430.	298.	2,029.
	TOTAL	430.	298.	2,029.
48 DICKENSON CO	POINT	0.	0.	0.
	AREA	925.	836.	3,973.
	TOTAL	925.	836.	3,973.
48 DINWIDDIE CO	POINT	10.	165.	23.
	AREA	4,564.	2,286.	22,081.
	TOTAL	4,574.	2,451.	22,104.
48 ESSEX CO	POINT	0.	0.	0.
	AREA	1,235.	535.	3,399.
	TOTAL	1,235.	535.	3,399.
48 FAIRFAX	POINT	0.	0.	0.
	AREA	20,765.	11,837.	159,659.
	TOTAL	20,765.	11,837.	159,659.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
48 FAIRFAX CO	POINT	1,993.	465.	50.
	AREA	30,803.	17,916.	168,968.
	TOTAL	32,796.	18,381.	169,018.
48 FAUQUIER CO	POINT	0.	0.	0.
	AREA	2,256.	1,850.	10,960.
	TOTAL	2,256.	1,850.	10,960.
48 FLOYD CO	POINT	0.	0.	0.
	AREA	849.	687.	4,220.
	TOTAL	849.	687.	4,220.
48 FLUVANNA CO	POINT	78.	6,357.	255.
	AREA	679.	463.	2,834.
	TOTAL	757.	6,820.	3,089.
48 FRANKLIN CO	POINT	25.	26.	9.
	AREA	3,399.	1,834.	11,337.
	TOTAL	3,424.	1,860.	11,346.
48 FREDERICK CO	POINT	3,542.	117.	16.
	AREA	7,151.	3,083.	22,005.
	TOTAL	10,693.	3,200.	22,021.
48 GILES CO	POINT	158.	9,309.	264.
	AREA	1,173.	944.	4,964.
	TOTAL	1,331.	10,253.	5,228.
48 GLOUCESTER CO	POINT	0.	0.	0.
	AREA	1,577.	981.	6,269.
	TOTAL	1,577.	981.	6,269.
48 GOOCHLAND CO	POINT	3.	25.	3.
	AREA	619.	526.	3,095.
	TOTAL	622.	551.	3,098.
48 GRAYSON CO	POINT	303.	258.	49.
	AREA	2,051.	1,564.	9,546.
	TOTAL	2,354.	1,822.	9,595.
48 GREENE CO	POINT	0.	0.	0.
	AREA	401.	342.	1,952.
	TOTAL	401.	342.	1,952.
48 GREENSVILLE CO	POINT	66.	453.	725.
	AREA	1,669.	1,049.	7,583.
	TOTAL	1,735.	1,502.	8,308.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
48 HALIFAX CO	POINT	483.	383.	70.
	AREA	3,283.	2,096.	15,200.
	TOTAL	3,766.	2,479.	15,270.
48 HAMPTON	POINT	19.	305.	29.
	AREA	8,580.	4,431.	47,849.
	TOTAL	8,599.	4,736.	47,878.
48 HANOVER CO	POINT	269.	15.	8.
	AREA	4,030.	2,802.	17,707.
	TOTAL	4,299.	2,817.	17,715.
48 HENRICO CO	POINT	311.	141.	0.
	AREA	26,894.	16,935.	181,306.
	TOTAL	27,205.	17,076.	181,306.
48 HENRY CC	POINT	3,302.	2,021.	158.
	AREA	12,109.	4,295.	37,656.
	TOTAL	15,411.	6,316.	37,814.
48 HIGHLAND CO	POINT	0.	0.	0.
	AREA	236.	196.	1,123.
	TOTAL	236.	196.	1,123.
48 ISLE OF WIGHT CO	POINT	435.	4,853.	27,126.
	AREA	2,083.	1,254.	8,948.
	TOTAL	2,518.	6,107.	36,074.
48 JAMES CITY CO	POINT	2,829.	713.	263.
	AREA	2,402.	1,599.	13,463.
	TOTAL	5,231.	2,312.	13,726.
48 KING AND QUEEN CO	POINT	5.	0.	65.
	AREA	532.	372.	2,547.
	TOTAL	537.	372.	2,612.
48 KING GEORGE CO	POINT	8.	10.	2.
	AREA	659.	497.	2,643.
	TOTAL	667.	507.	2,645.
48 KING WILLIAM CO	POINT	122.	2,269.	9,486.
	AREA	1,895.	613.	4,711.
	TOTAL	2,017.	2,882.	14,197.
48 LANCASTER CO	POINT	0.	0.	0.
	AREA	1,042.	704.	4,036.
	TOTAL	1,042.	704.	4,036.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
48 LEE CO	POINT	0.	3.	0.
	AREA	1,339.	1,197.	5,814.
	TOTAL	1,339.	1,200.	5,814.
48 LOUDOUN CO	POINT	2.	1.	0.
	AREA	4,378.	3,270.	19,988.
	TOTAL	4,380.	3,271.	19,988.
48 LOUISA CO	POINT	0.	0.	0.
	AREA	1,460.	956.	6,089.
	TOTAL	1,460.	956.	6,089.
48 LUNENBERG CO	POINT	353.	12.	787.
	AREA	1,206.	668.	4,273.
	TOTAL	1,559.	680.	5,060.
48 MADISON CO	POINT	0.	0.	0.
	AREA	804.	556.	3,224.
	TOTAL	804.	556.	3,224.
48 MATHEWS CO	POINT	0.	0.	0.
	AREA	735.	477.	3,131.
	TOTAL	735.	477.	3,131.
48 MECKLENBURG CO	POINT	13.	264.	31.
	AREA	3,775.	1,889.	15,016.
	TOTAL	3,788.	2,153.	15,047.
48 MIDDLESEX CO	POINT	0.	0.	0.
	AREA	675.	470.	2,863.
	TOTAL	675.	470.	2,863.
48 MONTGOMERY CO	POINT	62.	1,651.	1,124.
	AREA	6,837.	3,244.	27,570.
	TOTAL	6,899.	4,895.	28,694.
48 NANSEMOND CO	POINT	0.	0.	0.
	AREA	3,602.	1,924.	15,164.
	TOTAL	3,602.	1,924.	15,164.
48 NELSON CO	POINT	2.	0.	0.
	AREA	981.	794.	4,656.
	TOTAL	983.	794.	4,656.
48 NEW KENT CO	POINT	0.	0.	0.
	AREA	767.	499.	3,175.
	TOTAL	767.	499.	3,175.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
48 NEWPORT NEWS	POINT	1,141.	779.	709.
	AREA	17,313.	5,889.	53,847.
	TOTAL	18,454.	6,668.	54,556.
48 NORFOLK	POINT	2,966.	1,537.	1,828.
	AREA	21,045.	12,813.	105,101.
	TOTAL	24,011.	14,350.	106,929.
48 NORTHAMPTON CO	POINT	0.	0.	0.
	AREA	2,258.	941.	8,485.
	TOTAL	2,258.	941.	8,485.
48 NORTHUMBERLAND CO	POINT	8.	144.	12.
	AREA	1,133.	636.	4,238.
	TOTAL	1,141.	780.	4,250.
48 NOTTOWAY CO	POINT	13.	69.	14.
	AREA	1,410.	989.	6,887.
	TOTAL	1,423.	1,058.	6,901.
48 ORANGE CO	POINT	0.	6.	0.
	AREA	1,802.	1,121.	7,875.
	TOTAL	1,802.	1,127.	7,875.
48 PAGE CO	POINT	1.	40.	3.
	AREA	1,897.	1,155.	7,865.
	TOTAL	1,898.	1,195.	7,868.
48 PATRICK CO	POINT	15.	90.	16.
	AREA	1,753.	1,005.	6,124.
	TOTAL	1,768.	1,095.	6,140.
48 PITTSYLVANIA CO	POINT	4,095.	2,027.	147.
	AREA	10,712.	5,409.	46,999.
	TOTAL	14,807.	7,436.	47,146.
48 PORTSMOUTH	POINT	319.	1,649.	431.
	AREA	7,881.	3,850.	39,716.
	TOTAL	8,200.	5,499.	40,147.
48 POWHATAN CO	POINT	1.	26.	2.
	AREA	666.	564.	3,086.
	TOTAL	667.	590.	3,088.
48 PRINCE EDWARD CO	POINT	90.	90.	121.
	AREA	1,524.	925.	7,078.
	TOTAL	1,614.	1,015.	7,199.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
48 PRINCE GEORGE CO	POINT	2,674.	13,955.	12,804.
	AREA	3,925.	1,685.	15,570.
	TOTAL	6,599.	15,640.	28,374.
48 PRINCE WILLIAM CO	POINT	343.	22,287.	1,226.
	AREA	9,641.	5,792.	49,960.
	TOTAL	9,984.	28,079.	51,186.
48 PULASKI CO	POINT	2,197.	411.	169.
	AREA	3,284.	1,586.	11,795.
	TOTAL	5,481.	1,997.	11,964.
48 RAPPAHANNOCK CO	POINT	0.	0.	0.
	AREA	520.	400.	2,248.
	TOTAL	520.	400.	2,248.
48 RICHMOND	POINT	8,631.	900.	412.
	AREA	13,703.	3,857.	9,472.
	TOTAL	22,334.	4,757.	9,884.
48 RICHMOND CO	POINT	17.	360.	17.
	AREA	757.	494.	3,111.
	TOTAL	774.	854.	3,128.
48 ROANOKE CO	POINT	3,355.	301.	145.
	AREA	19,507.	8,027.	84,820.
	TOTAL	22,862.	8,328.	84,965.
48 ROCKBRIDGE CO	POINT	3,374.	76.	16.
	AREA	3,096.	1,509.	13,199.
	TOTAL	6,470.	1,585.	13,215.
48 ROCKINGHAM CO	POINT	484.	418.	153.
	AREA	8,227.	4,255.	29,254.
	TOTAL	8,711.	4,673.	29,407.
48 RUSSELL CO	POINT	284.	16,939.	941.
	AREA	1,663.	1,473.	7,134.
	TOTAL	1,947.	18,412.	8,075.
48 SCOTT CO	POINT	0.	0.	0.
	AREA	1,591.	1,305.	7,082.
	TOTAL	1,591.	1,305.	7,082.
48 SHENANDOAH CO	POINT	614.	178.	1,565.
	AREA	2,830.	1,814.	9,995.
	TOTAL	3,444.	1,992.	11,560.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
48 SMYTH CO	POINT	1,051.	99.	14.
	AREA	3,464.	1,769.	12,339.
	TOTAL	4,515.	1,868.	12,353.
48 SOUTHAMPTON CO	POINT	3.	100.	15.
	AREA	2,858.	1,551.	11,212.
	TOTAL	2,861.	1,651.	11,227.
48 SPOTSYLVANIA CO	POINT	3,150.	1,005.	83.
	AREA	4,748.	2,640.	22,834.
	TOTAL	7,898.	3,645.	22,917.
48 STAFFORD CO	POINT	0.	0.	0.
	AREA	3,174.	2,841.	15,130.
	TOTAL	3,174.	2,841.	15,130.
48 SURRY CO	POINT	0.	0.	0.
	AREA	997.	645.	4,873.
	TOTAL	997.	645.	4,873.
48 SUSSEX CO	POINT	77.	160.	407.
	AREA	848.	472.	3,116.
	TOTAL	925.	632.	3,523.
48 TAZEWELL CO	POINT	13.	21.	50.
	AREA	2,384.	1,200.	6,432.
	TOTAL	2,397.	1,221.	6,482.
48 VIRGINIA BEACH	POINT	89.	373.	33.
	AREA	5,709.	3,771.	20,652.
	TOTAL	5,798.	4,144.	20,685.
48 WARREN CO	POINT	39.	3,504.	145.
	AREA	9,741.	6,213.	67,030.
	TOTAL	9,780.	9,717.	67,175.
48 WASHINGTON CO	POINT	91.	32.	127.
	AREA	4,405.	1,587.	9,747.
	TOTAL	4,496.	1,619.	9,874.
48 WESTMORELAND CO	POINT	13.	1.	162.
	AREA	3,342.	2,901.	16,680.
	TOTAL	3,355.	2,902.	16,842.
48 WISE CO	POINT	44.	4.	520.
	AREA	1,624.	1,108.	5,154.
	TOTAL	1,668.	1,112.	5,674.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
48 WYTHE CO	POINT	1.	4.	0.
	AREA	3,258.	2,153.	15,169.
	TOTAL	3,259.	2,157.	15,169.
48 YORK CO	POINT	7,140.	18,098.	911.
	AREA	2,651.	1,620.	9,551.
	TOTAL	9,791.	19,718.	10,462.
49 ADAMS CO	POINT	0.	8.	1.
	AREA	2,513.	1,437.	13,809.
	TOTAL	2,513.	1,445.	13,810.
49 ASOTIN CO	POINT	0.	0.	0.
	AREA	1,507.	827.	9,211.
	TOTAL	1,507.	827.	9,211.
49 BENTON CO	POINT	75.	4,139.	192.
	AREA	9,217.	4,151.	46,204.
	TOTAL	9,292.	8,290.	46,396.
49 CHELAN CO	POINT	571.	5,947.	22,592.
	AREA	5,207.	2,569.	24,915.
	TOTAL	5,778.	8,516.	47,507.
49 CLALLAM CO	POINT	296.	2,284.	1,117.
	AREA	9,175.	3,311.	49,165.
	TOTAL	9,471.	5,595.	50,282.
49 CLARK CO	POINT	2,656.	4,774.	15,255.
	AREA	15,464.	7,163.	80,110.
	TOTAL	18,120.	11,937.	95,365.
49 COLUMBIA CO	POINT	0.	0.	0.
	AREA	934.	1,187.	5,499.
	TOTAL	934.	1,187.	5,499.
49 COWLITZ CO	POINT	14,064.	14,923.	21,954.
	AREA	16,375.	5,318.	71,699.
	TOTAL	30,439.	20,241.	93,653.
49 DOUGLAS CO	POINT	22.	109.	22.
	AREA	1,732.	1,692.	9,366.
	TOTAL	1,754.	1,801.	9,388.
49 FERRY CO	POINT	257.	57.	2,962.
	AREA	853.	365.	3,545.
	TOTAL	1,110.	422.	6,507.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
49 FRANKLIN CO	POINT	2,172.	0.	0.
	AREA	4,024.	1,737.	20,392.
	TOTAL	6,196.	1,737.	20,392.
49 GARFIELD CO	POINT	0.	0.	0.
	AREA	759.	586.	4,257.
	TOTAL	759.	586.	4,257.
49 GRANT CO	POINT	264.	962.	170.
	AREA	6,956.	3,236.	38,072.
	TOTAL	7,220.	4,198.	38,242.
49 GRAYS HARBOR CO	POINT	527.	2,717.	2,843.
	AREA	10,437.	4,200.	47,497.
	TOTAL	10,964.	6,917.	50,340.
49 ISLAND CO	POINT	10.	0.	0.
	AREA	3,343.	2,340.	16,070.
	TOTAL	3,353.	2,340.	16,070.
49 JEFFERSON CO	POINT	224.	1,195.	1,288.
	AREA	6,372.	1,734.	32,591.
	TOTAL	6,596.	2,929.	33,879.
49 KING CO	POINT	6,664.	4,727.	4,317.
	AREA	121,019.	44,987.	583,300.
	TOTAL	127,683.	49,714.	587,617.
49 KITSAP CO	POINT	571.	749.	110.
	AREA	9,996.	12,102.	63,469.
	TOTAL	10,567.	12,851.	63,579.
49 KITTITAS CO	POINT	0.	158.	7.
	AREA	6,800.	3,585.	41,110.
	TOTAL	6,800.	3,743.	41,117.
49 KLICKITAT CO	POINT	94.	362.	20,177.
	AREA	1,961.	1,208.	8,724.
	TOTAL	2,055.	1,570.	28,901.
49 LEWIS CO	POINT	1,478.	49,095.	7,904.
	AREA	8,973.	3,730.	46,561.
	TOTAL	10,451.	52,825.	54,465.
49 LINCOLN CO	POINT	125.	112.	1,255.
	AREA	2,070.	1,615.	11,454.
	TOTAL	2,195.	1,727.	12,709.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
49 MASON CO	POINT	145.	688.	152.
	AREA	3,749.	1,467.	17,022.
	TOTAL	3,894.	2,155.	17,174.
49 OKANOGAN CO	POINT	286.	1,119.	280.
	AREA	12,800.	3,513.	72,664.
	TOTAL	13,086.	4,632.	72,944.
49 PACIFIC CO	POINT	237.	623.	521.
	AREA	4,261.	1,652.	20,754.
	TOTAL	4,498.	2,275.	21,275.
49 PEND OREILLE CO	POINT	93.	337.	1,045.
	AREA	1,097.	617.	5,595.
	TOTAL	1,190.	954.	6,640.
49 PIERCE CO	POINT	5,409.	6,370.	29,456.
	AREA	40,530.	16,374.	205,039.
	TOTAL	45,939.	22,744.	234,495.
49 SAN JUAN CO	POINT	0.	0.	0.
	AREA	1,654.	2,761.	9,545.
	TOTAL	1,654.	2,761.	9,545.
49 SKAGIT CO	POINT	4,171.	3,634.	1,555.
	AREA	8,433.	3,702.	43,248.
	TOTAL	12,604.	7,336.	44,803.
49 SKAMANIA CO	POINT	285.	236.	2,286.
	AREA	2,395.	1,234.	13,182.
	TOTAL	2,680.	1,470.	15,468.
49 SNOHOMISH CO	POINT	2,843.	3,648.	2,489.
	AREA	23,496.	10,469.	123,617.
	TOTAL	26,339.	14,117.	126,106.
49 SPOKANE CO	POINT	1,873.	617.	35,784.
	AREA	33,835.	14,671.	178,203.
	TOTAL	35,708.	15,288.	213,987.
49 STEVENS CO	POINT	892.	108.	9,725.
	AREA	3,155.	3,374.	15,963.
	TOTAL	4,047.	3,482.	25,688.
49 THURSTON CO	POINT	31.	54.	5.
	AREA	11,304.	5,361.	60,483.
	TOTAL	11,335.	5,415.	60,488.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
49 WAHKIAKUM CO	POINT	32.	3.	306.
	AREA	661.	961.	3,240.
	TOTAL	693.	964.	3,546.
49 WALLA WALLA CO	POINT	28.	526.	5,067.
	AREA	4,869.	1,935.	23,896.
	TOTAL	4,897.	2,461.	28,963.
49 WHATCOM CO	POINT	5,197.	3,692.	91,026.
	AREA	10,579.	4,509.	47,449.
	TOTAL	15,776.	8,201.	138,475.
49 WHITMAN CO	POINT	0.	0.	0.
	AREA	4,160.	2,647.	25,328.
	TOTAL	4,160.	2,647.	25,328.
49 YAKIMA CO	POINT	305.	1,365.	320.
	AREA	17,548.	7,792.	86,497.
	TOTAL	17,853.	9,157.	86,817.
50 BARBOUR CO	POINT	23.	0.	76.
	AREA	1,139.	1,912.	5,913.
	TOTAL	1,162.	1,912.	5,989.
50 BERKELEY CO	POINT	25.	1,852.	33.
	AREA	4,372.	2,813.	20,821.
	TOTAL	4,397.	4,665.	20,854.
50 BOONE CO	POINT	0.	0.	0.
	AREA	2,675.	1,699.	12,907.
	TOTAL	2,675.	1,699.	12,907.
50 BRAXTON CO	POINT	0.	0.	0.
	AREA	1,201.	925.	5,235.
	TOTAL	1,201.	925.	5,235.
50 BROOKE CO	POINT	4,785.	975.	20,771.
	AREA	2,525.	1,450.	9,260.
	TOTAL	7,310.	2,425.	30,031.
50 CABELL CO	POINT	6.	304.	3,459.
	AREA	9,511.	4,898.	37,117.
	TOTAL	9,517.	5,202.	40,576.
50 CALHOUN CO	POINT	0.	0.	0.
	AREA	858.	1,197.	4,237.
	TOTAL	858.	1,197.	4,237.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
50 CLAY CO	POINT	0.	0.	0.
	AREA	732.	485.	3,393.
	TOTAL	732.	485.	3,393.
50 DODDRIDGE CO	POINT	0.	0.	0.
	AREA	558.	559.	3,356.
	TOTAL	558.	559.	3,356.
50 FAYETTE CO	POINT	14.	887.	7,121.
	AREA	2,795.	2,310.	10,191.
	TOTAL	2,809.	3,197.	17,312.
50 GILMER CO	POINT	0.	0.	0.
	AREA	517.	619.	2,822.
	TOTAL	517.	619.	2,822.
50 GRANT CO	POINT	463.	28,378.	1,566.
	AREA	771.	614.	3,032.
	TOTAL	1,234.	28,992.	4,598.
50 GREENBRIER CO	POINT	40.	281.	48.
	AREA	2,539.	2,018.	9,951.
	TOTAL	2,579.	2,299.	9,999.
50 HAMPSHIRE CO	POINT	1.	7.	1.
	AREA	1,047.	914.	5,181.
	TOTAL	1,048.	921.	5,182.
50 HANCOCK CO	POINT	812.	85,851.	32,591.
	AREA	2,531.	2,164.	12,161.
	TOTAL	3,343.	88,015.	44,752.
50 HARDY CO	POINT	1.	7.	1.
	AREA	936.	884.	4,911.
	TOTAL	937.	891.	4,912.
50 HARRISON CO	POINT	672.	40,346.	2,417.
	AREA	5,525.	3,576.	22,959.
	TOTAL	6,197.	43,922.	25,376.
50 JACKSON CO	POINT	20.	39.	3.
	AREA	2,943.	2,393.	14,671.
	TOTAL	2,963.	2,432.	14,674.
50 JEFFERSON CO	POINT	8.	251.	19.
	AREA	1,834.	1,354.	7,589.
	TOTAL	1,842.	1,605.	7,608.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
50 KANAWHA CO	POINT	379.	17,082.	1,533.
	AREA	19,232.	11,202.	94,652.
	TOTAL	19,611.	28,284.	96,185.
50 LEWIS CO	POINT	0.	0.	0.
	AREA	2,523.	2,953.	18,160.
	TOTAL	2,523.	2,953.	18,160.
50 LINCOLN CO	POINT	0.	0.	0.
	AREA	1,510.	1,034.	7,425.
	TOTAL	1,510.	1,034.	7,425.
50 LOGAN CO	POINT	1.	2.	3.
	AREA	3,369.	2,044.	14,666.
	TOTAL	3,370.	2,046.	14,669.
50 MC DOWELL CO	POINT	54.	4.	642.
	AREA	3,299.	1,939.	18,325.
	TOTAL	3,353.	1,943.	18,967.
50 MARION CO	POINT	34.	1,977.	173.
	AREA	5,248.	2,987.	18,330.
	TOTAL	5,282.	4,964.	18,503.
50 MARSHALL CO	POINT	1,557.	78,046.	11,948.
	AREA	2,785.	1,974.	12,296.
	TOTAL	4,342.	80,020.	24,244.
50 MASON CO	POINT	995.	15,055.	837.
	AREA	2,041.	1,597.	9,405.
	TOTAL	3,036.	16,652.	10,242.
50 MERCER CO	POINT	0.	0.	0.
	AREA	5,148.	3,166.	21,768.
	TOTAL	5,148.	3,166.	21,768.
50 MINERAL CO	POINT	123.	146.	1,415.
	AREA	1,657.	1,419.	7,060.
	TOTAL	1,780.	1,565.	8,475.
50 MINGO CO	POINT	2.	12.	2.
	AREA	1,721.	1,386.	6,837.
	TOTAL	1,723.	1,398.	6,839.
50 MONONGALIA CO	POINT	441.	26,197.	1,463.
	AREA	5,573.	3,579.	26,157.
	TOTAL	6,014.	29,776.	27,620.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
50 MONROE CO	POINT	0.	0.	0.
	AREA	1,137.	1,165.	4,271.
	TOTAL	1,137.	1,165.	4,271.
50 MORGAN CO	POINT	5.	80.	11.
	AREA	684.	561.	3,117.
	TOTAL	689.	641.	3,128.
50 NICHOLAS CO	POINT	55.	88.	62.
	AREA	2,662.	1,700.	8,325.
	TOTAL	2,717.	1,788.	8,387.
50 OHIO CO	POINT	0.	0.	0.
	AREA	6,307.	3,076.	29,664.
	TOTAL	6,307.	3,076.	29,664.
50 PENDLETON CO	POINT	0.	0.	0.
	AREA	755.	850.	4,575.
	TOTAL	755.	850.	4,575.
50 PLEASANTS CO	POINT	95.	4,961.	290.
	AREA	690.	567.	2,587.
	TOTAL	785.	5,528.	2,877.
50 POCAHONTAS CO	POINT	0.	45.	3.
	AREA	694.	542.	2,975.
	TOTAL	694.	587.	2,978.
50 PRESTON CO	POINT	126.	5,850.	328.
	AREA	1,916.	1,445.	8,330.
	TOTAL	2,042.	7,295.	8,658.
50 PUTNAM CO	POINT	1,097.	62,160.	3,552.
	AREA	2,309.	1,969.	11,240.
	TOTAL	3,406.	64,129.	14,792.
50 RALEIGH CO	POINT	22.	2.	268.
	AREA	5,097.	3,668.	22,517.
	TOTAL	5,119.	3,670.	22,785.
50 RANDOLPH CO	POINT	41.	39.	10,134.
	AREA	2,533.	1,989.	11,061.
	TOTAL	2,574.	2,028.	21,195.
50 RITCHIE CO	POINT	0.	0.	0.
	AREA	929.	905.	4,109.
	TOTAL	929.	905.	4,109.

STATE AND COUNTY	TYPE OF EMISSIONS	COMPUTED EMISSIONS HC	NOX	* CO
50 ROANE CO	POINT	0.	0.	0.
	AREA	1,236.	863.	4,467.
	TOTAL	1,236.	863.	4,467.
50 SUMMERS CO	POINT	1.	24.	3.
	AREA	1,060.	656.	5,090.
	TOTAL	1,061.	680.	5,093.
50 TAYLOR CO	POINT	0.	0.	0.
	AREA	1,141.	717.	4,657.
	TOTAL	1,141.	717.	4,657.
50 TUCKER CO	POINT	0.	0.	0.
	AREA	535.	448.	2,024.
	TOTAL	535.	448.	2,024.
50 TYLER CO	POINT	9.	266.	13.
	AREA	814.	668.	2,804.
	TOTAL	823.	934.	2,817.
50 UPSHUR CO	POINT	1.	6.	1.
	AREA	1,412.	949.	6,029.
	TOTAL	1,413.	955.	6,030.
50 WAYNE CO	POINT	123.	307.	1,274.
	AREA	3,244.	2,072.	15,729.
	TOTAL	3,367.	2,379.	17,003.
50 WEBSTER CO	POINT	264.	2.	443.
	AREA	664.	554.	2,908.
	TOTAL	928.	556.	3,351.
50 WETZEL CO	POINT	0.	0.	59.
	AREA	1,786.	1,382.	7,319.
	TOTAL	1,786.	1,382.	7,378.
50 WIRT CO	POINT	13.	2.	11.
	AREA	281.	286.	1,321.
	TOTAL	294.	288.	1,332.
50 WOOD CO	POINT	69.	1,003.	12,394.
	AREA	8,467.	4,769.	37,258.
	TOTAL	8,536.	5,772.	49,652.
50 WYOMING CO	POINT	0.	0.	0.
	AREA	2,138.	1,878.	9,368.
	TOTAL	2,138.	1,878.	9,368.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
51 ADAMS CO	POINT	0.	0.	0.
	AREA	2,539.	1,317.	12,209.
	TOTAL	2,539.	1,317.	12,209.
51 ASHLAND CO	POINT	34.	1,357.	67.
	AREA	1,295.	465.	4,228.
	TOTAL	1,329.	1,822.	4,295.
51 BARRON CO	POINT	0.	0.	0.
	AREA	3,073.	1,291.	11,051.
	TOTAL	3,073.	1,291.	11,051.
51 BAYFIELD CO	POINT	0.	0.	0.
	AREA	2,423.	1,744.	11,559.
	TOTAL	2,423.	1,744.	11,559.
51 BROWN CO	POINT	395.	17,078.	2,359.
	AREA	10,667.	2,755.	13,389.
	TOTAL	11,062.	19,833.	15,748.
51 BUFFALO CO	POINT	75.	4,547.	252.
	AREA	7,140.	6,894.	43,742.
	TOTAL	7,215.	11,441.	43,994.
51 BURNETT CO	POINT	0.	0.	0.
	AREA	1,699.	812.	7,530.
	TOTAL	1,699.	812.	7,530.
51 CALUMET CO	POINT	0.	36.	3.
	AREA	4,134.	847.	9,688.
	TOTAL	4,134.	883.	9,691.
51 CHIPPEWA CO	POINT	6.	286.	21.
	AREA	3,994.	1,526.	12,890.
	TOTAL	4,000.	1,812.	12,911.
51 CLARK CO	POINT	6.	111.	12.
	AREA	3,399.	2,554.	17,418.
	TOTAL	3,405.	2,665.	17,430.
51 COLUMBIA CO	POINT	136.	8,222.	456.
	AREA	4,434.	2,024.	18,171.
	TOTAL	4,570.	10,246.	18,627.
51 CRAWFORD CO	POINT	0.	0.	0.
	AREA	3,439.	2,353.	20,934.
	TOTAL	3,439.	2,353.	20,934.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
51 DANE CO	POINT	462.	2,322.	1,595.
	AREA	12,520.	4,046.	24,447.
	TOTAL	12,982.	6,368.	26,042.
51 DODGE CO	POINT	0.	34.	435.
	AREA	17,905.	11,338.	104,178.
	TOTAL	17,905.	11,372.	104,613.
51 DOOR CO	POINT	6.	8.	140.
	AREA	4,351.	2,203.	19,496.
	TOTAL	4,357.	2,211.	19,636.
51 DOUGLAS CO	POINT	88.	666.	175.
	AREA	3,065.	1,205.	12,673.
	TOTAL	3,153.	1,871.	12,848.
51 DUNN CO	POINT	3.	70.	82.
	AREA	3,010.	1,844.	17,460.
	TOTAL	3,013.	1,914.	17,542.
51 EAU CLAIRE CO	POINT	19.	657.	414.
	AREA	4,136.	1,836.	15,466.
	TOTAL	4,155.	2,493.	15,880.
51 FLORENCE CO	POINT	0.	0.	0.
	AREA	2,982.	2,735.	16,142.
	TOTAL	2,982.	2,735.	16,142.
51 FOND DU LAC CO	POINT	1.	56.	5.
	AREA	5,326.	1,239.	10,481.
	TOTAL	5,327.	1,295.	10,486.
51 FOREST CO	POINT	0.	0.	0.
	AREA	4,241.	3,639.	20,731.
	TOTAL	4,241.	3,639.	20,731.
51 GRANT CO	POINT	94.	15,119.	314.
	AREA	2,636.	960.	11,143.
	TOTAL	2,730.	16,079.	11,457.
51 GREEN CO	POINT	0.	0.	235.
	AREA	4,071.	2,606.	22,767.
	TOTAL	4,071.	2,606.	23,002.
51 GREEN LAKE CO	POINT	0.	0.	702.
	AREA	2,802.	1,576.	14,379.
	TOTAL	2,802.	1,576.	15,081.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
51 IOWA CO	POINT	0.	0.	0.
	AREA	1,896.	1,269.	11,186.
	TOTAL	1,896.	1,269.	11,186.
51 IRON CO	POINT	5.	103.	0.
	AREA	1,620.	1,023.	7,423.
	TOTAL	1,625.	1,126.	7,423.
51 JACKSON CO	POINT	45.	3.	144.
	AREA	1,365.	509.	5,744.
	TOTAL	1,410.	512.	5,888.
51 JEFFERSON CO	POINT	5.	37.	35.
	AREA	5,314.	1,388.	11,169.
	TOTAL	5,319.	1,425.	11,204.
51 JUNEAU CO	POINT	10.	0.	126.
	AREA	4,586.	2,993.	22,351.
	TOTAL	4,596.	2,993.	22,477.
51 KENOSHA CO	POINT	157,985.	461.	184.
	AREA	11,942.	2,091.	12,782.
	TOTAL	169,927.	2,552.	12,966.
51 KEWAUNEE CO	POINT	21.	162.	28.
	AREA	6,333.	4,256.	39,805.
	TOTAL	6,354.	4,418.	39,833.
51 LA CROSSE CO	POINT	33.	528.	303.
	AREA	4,955.	1,543.	10,928.
	TOTAL	4,988.	2,071.	11,231.
51 LAFAYETTE CO	POINT	0.	0.	0.
	AREA	3,751.	3,397.	21,839.
	TOTAL	3,751.	3,397.	21,839.
51 LANGLADE CO	POINT	3.	17.	3.
	AREA	1,790.	982.	8,860.
	TOTAL	1,793.	999.	8,863.
51 LINCOLN CO	POINT	71.	2,608.	114.
	AREA	2,705.	1,022.	8,687.
	TOTAL	2,776.	3,630.	8,801.
51 MANITOWOC CO	POINT	74.	1,224.	149.
	AREA	7,575.	1,996.	16,057.
	TOTAL	7,649.	3,220.	16,206.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
51 MARATHON CO	POINT	3,942.	46,868.	15,447.
	AREA	8,566.	3,516.	26,099.
	TOTAL	12,508.	50,384.	41,546.
51 MARINETTE CO	POINT	86.	1,254.	201.
	AREA	7,655.	3,814.	35,491.
	TOTAL	7,741.	5,068.	35,692.
51 MARQUETTE CO	POINT	0.	0.	0.
	AREA	2,331.	1,700.	12,494.
	TOTAL	2,331.	1,700.	12,494.
51 MENOMONIE CO	POINT	22.	110.	22.
	AREA	608.	550.	3,504.
	TOTAL	630.	660.	3,526.
51 MILWAUKEE CO	POINT	12,091.	42,801.	6,730.
	AREA	70,587.	12,745.	62,476.
	TOTAL	82,678.	55,546.	69,206.
51 MONROE CO	POINT	0.	0.	217.
	AREA	42,692.	30,665.	283,374.
	TOTAL	42,692.	30,665.	283,591.
51 OCONTO CO	POINT	5.	89.	3.
	AREA	3,120.	1,641.	13,091.
	TOTAL	3,125.	1,730.	13,094.
51 ONEIDA CO	POINT	187.	898.	519.
	AREA	3,203.	1,294.	12,438.
	TOTAL	3,390.	2,192.	12,957.
51 OUTAGAMIE CO	POINT	116.	6,875.	6,592.
	AREA	9,076.	2,652.	18,295.
	TOTAL	9,192.	9,527.	24,887.
51 OZAUKEE CO	POINT	279.	6,261.	633.
	AREA	8,952.	5,006.	44,076.
	TOTAL	9,231.	11,267.	44,709.
51 PEPIN CO	POINT	0.	0.	0.
	AREA	2,910.	2,434.	15,441.
	TOTAL	2,910.	2,434.	15,441.
51 PIERCE CO	POINT	3.	37.	6.
	AREA	1,709.	739.	6,422.
	TOTAL	1,712.	776.	6,428.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
51 POLK CO	POINT	0.	0.	0.
	AREA	3,017.	1,732.	12,955.
	TOTAL	3,017.	1,732.	12,955.
51 PORTAGE CO	POINT	42.	155.	184.
	AREA	4,183.	1,851.	16,336.
	TOTAL	4,225.	2,006.	16,520.
51 PRICE CO	POINT	43.	236.	147.
	AREA	3,049.	1,935.	15,470.
	TOTAL	3,092.	2,171.	15,617.
51 RACINE CO	POINT	304.	631.	4,128.
	AREA	10,924.	2,290.	12,663.
	TOTAL	11,228.	2,921.	16,791.
51 RICHLAND CO	POINT	9.	135.	453.
	AREA	8,005.	6,212.	49,957.
	TOTAL	8,014.	6,347.	50,410.
51 ROCK CO	POINT	113.	9,102.	2,208.
	AREA	10,180.	2,124.	13,210.
	TOTAL	10,293.	11,226.	15,418.
51 RUSK CO	POINT	19.	237.	174.
	AREA	7,072.	5,159.	42,218.
	TOTAL	7,091.	5,396.	42,392.
51 ST CROIX CO	POINT	0.	9.	0.
	AREA	2,332.	1,058.	8,334.
	TOTAL	2,332.	1,067.	8,334.
51 SAUK CO	POINT	1.	470.	1,485.
	AREA	4,753.	1,971.	16,824.
	TOTAL	4,754.	2,441.	18,309.
51 SAWYER CO	POINT	0.	0.	0.
	AREA	3,246.	2,165.	14,976.
	TOTAL	3,246.	2,165.	14,976.
51 SHAWANO CO	POINT	0.	0.	0.
	AREA	2,130.	936.	9,033.
	TOTAL	2,130.	936.	9,033.
51 SHEBOYGAN CO	POINT	230.	27,131.	5,335.
	AREA	9,388.	2,497.	18,424.
	TOTAL	9,618.	29,628.	23,759.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
51 TAYLOR CO	POINT	0.	0.	0.
	AREA	5,502.	3,870.	31,647.
	TOTAL	5,502.	3,870.	31,647.
51 TREMPEALEAU CO	POINT	0.	17.	2.
	AREA	1,935.	1,085.	8,121.
	TOTAL	1,935.	1,102.	8,123.
51 VERNON CO	POINT	120.	7,232.	401.
	AREA	2,357.	1,678.	13,826.
	TOTAL	2,477.	8,910.	14,227.
51 VILAS CO	POINT	0.	0.	0.
	AREA	2,971.	1,307.	11,347.
	TOTAL	2,971.	1,307.	11,347.
51 WALWORTH CO	POINT	0.	71.	1,515.
	AREA	4,388.	1,287.	9,663.
	TOTAL	4,388.	1,358.	11,178.
51 WASHBURN CO	POINT	0.	0.	0.
	AREA	3,868.	2,959.	18,954.
	TOTAL	3,868.	2,959.	18,954.
51 WASHINGTON CO	POINT	111.	372.	560.
	AREA	5,748.	1,510.	10,033.
	TOTAL	5,859.	1,882.	10,593.
51 WAUKESHA CO	POINT	15.	20.	3,558.
	AREA	17,220.	4,680.	31,669.
	TOTAL	17,235.	4,700.	35,227.
51 WAUPACA CO	POINT	17.	237.	33.
	AREA	14,081.	9,389.	83,248.
	TOTAL	14,098.	9,626.	83,281.
51 WAUSHARA CO	POINT	0.	0.	0.
	AREA	2,826.	2,151.	15,266.
	TOTAL	2,826.	2,151.	15,266.
51 WINNEBAGO CO	POINT	398.	2,161.	14,064.
	AREA	12,909.	2,410.	17,261.
	TOTAL	13,307.	4,571.	31,325.
51 WOOD CO	POINT	540.	13,481.	6,351.
	AREA	9,817.	4,547.	42,443.
	TOTAL	10,357.	18,028.	48,794.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
52 ALBANY CO	POINT	216.	51.	2,496.
	AREA	5,777.	5,484.	48,440.
	TOTAL	5,993.	5,535.	50,936.
52 BIG HORN CO	POINT	1.	56.	5.
	AREA	2,811.	4,246.	21,340.
	TOTAL	2,812.	4,302.	21,345.
52 CAMPBELL CO	POINT	40.	1,501.	107.
	AREA	1,525.	1,693.	10,514.
	TOTAL	1,565.	3,194.	10,621.
52 CARBON CO	POINT	951.	1,255.	28,440.
	AREA	2,065.	2,199.	12,818.
	TOTAL	3,016.	3,454.	41,258.
52 CONVERSE CO	POINT	509.	30,582.	1,699.
	AREA	2,000.	1,991.	16,182.
	TOTAL	2,509.	32,573.	17,881.
52 CROOK CO	POINT	0.	0.	0.
	AREA	1,061.	1,438.	8,028.
	TOTAL	1,061.	1,438.	8,028.
52 FREMONT CO	POINT	1,013.	106.	11,971.
	AREA	1,913.	3,590.	7,950.
	TOTAL	2,926.	3,696.	19,921.
52 GOSHEN CO	POINT	0.	0.	0.
	AREA	3,094.	2,841.	26,674.
	TOTAL	3,094.	2,841.	26,674.
52 HOT SPRINGS CO	POINT	4.	0.	50.
	AREA	1,368.	904.	12,111.
	TOTAL	1,372.	904.	12,161.
52 JOHNSON CO	POINT	0.	0.	0.
	AREA	910.	1,202.	6,180.
	TOTAL	910.	1,202.	6,180.
52 LARAMIE CO	POINT	6,327.	892.	2,158.
	AREA	3,932.	8,007.	12,156.
	TOTAL	10,259.	8,899.	14,314.
52 LINCOLN CO	POINT	435.	16,340.	2,198.
	AREA	5,605.	4,375.	47,544.
	TOTAL	6,040.	20,715.	49,742.

STATE AND COUNTY	TYPE OF EMISSIONS	HC	COMPUTED EMISSIONS NOX	* CO
52 NATRONA CO	POINT	5,009.	2,186.	29,250.
	AREA	2,398.	3,765.	9,069.
	TOTAL	7,407.	5,951.	38,319.
52 NIOBRARA CO	POINT	0.	0.	0.
	AREA	5,629.	3,629.	49,881.
	TOTAL	5,629.	3,629.	49,881.
52 PARK CO	POINT	3,916.	255.	18,868.
	AREA	1,276.	1,413.	6,105.
	TOTAL	5,192.	1,668.	24,973.
52 PLATTE CO	POINT	0.	0.	0.
	AREA	2,180.	1,799.	17,545.
	TOTAL	2,180.	1,799.	17,545.
52 SHERIDAN CO	POINT	235.	216.	2,630.
	AREA	1,448.	1,640.	8,996.
	TOTAL	1,683.	1,856.	11,626.
52 SUBLETTE CO	POINT	0.	0.	0.
	AREA	2,024.	1,387.	16,506.
	TOTAL	2,024.	1,387.	16,506.
52 SWEETWATER CO	POINT	1,282.	53,634.	8,409.
	AREA	1,607.	2,179.	6,688.
	TOTAL	2,889.	55,813.	15,097.
52 TETON CO	POINT	0.	0.	0.
	AREA	2,421.	1,713.	19,252.
	TOTAL	2,421.	1,713.	19,252.
52 UINTA CO	POINT	154.	14.	1,825.
	AREA	1,227.	1,060.	9,094.
	TOTAL	1,381.	1,074.	10,919.
52 WASHAKIE CO	POINT	0.	0.	0.
	AREA	1,043.	935.	8,297.
	TOTAL	1,043.	935.	8,297.
52 WESTON CO	POINT	2,403.	1,877.	2,010.
	AREA	997.	810.	7,963.
	TOTAL	3,400.	2,687.	9,973.

* Tons/Year

STATE ALPHABETICAL AND NUMERICAL CODES

AL	(01)	Alabama	MT	(27)	Montana
AK	(02)	Alaska	NB	(28)	Nebraska
AZ	(03)	Arizona	NV	(29)	Nevada
AR	(04)	Arkansas	NH	(30)	New Hampshire
CA	(05)	California	NJ	(31)	New Jersey
CO	(06)	Colorado	NM	(32)	New Mexico
CT	(07)	Connecticut	NY	(33)	New York
DE	(08)	Delaware	NC	(34)	North Carolina
DC	(09)	District of Columbia	ND	(35)	North Dakota
FL	(10)	Florida	OH	(36)	Ohio
GA	(11)	Georgia	OK	(37)	Oklahoma
HI	(12)	Hawaii	OR	(38)	Oregon
ID	(13)	Idaho	PA	(39)	Pennsylvania
IL	(14)	Illinois	PR	(40)	Puerto Rico
IN	(15)	Indiana	RI	(41)	Rhode Island
IA	(16)	Iowa	SC	(42)	South Carolina
KS	(17)	Kansas	SD	(43)	South Dakota
KY	(18)	Kentucky	TN	(44)	Tennessee
LA	(19)	Louisiana	TX	(45)	Texas
ME	(20)	Maine	UT	(46)	Utah
MD	(21)	Maryland	VT	(47)	Vermont
MA	(22)	Massachusetts	VA	(48)	Virginia
MI	(23)	Michigan	WA	(49)	Washington
MN	(24)	Minnesota	WV	(50)	West Virginia
MS	(25)	Mississippi	WI	(51)	Wisconsin
MO	(26)	Missouri	WY	(52)	Wyoming

APPENDIX J

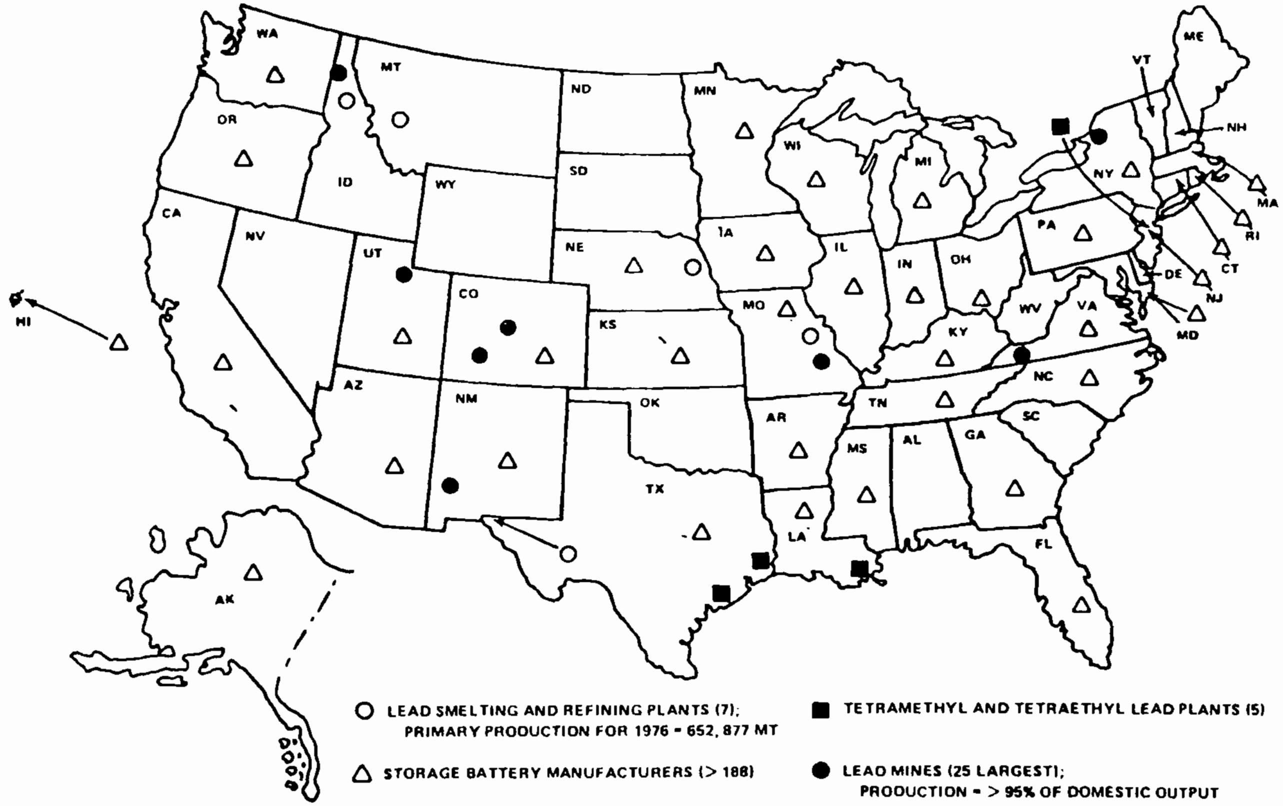
Pb EMISSIONS AND AIR QUALITY DATA

ESTIMATED ATMOSPHERIC LEAD EMISSIONS FOR THE UNITED STATES, 1975[9],[a]

Source category	Annual emissions, MT/yr	Emissions as percentage of	
		Subtotal	Total
Mobile subtotal	142,000	100	—
Gasoline combustion	142,000	100	88.1
Stationary subtotal	19,225	100	—
Waste oil combustion	10,430	54.3	6.5
Solid waste incineration	1,630	8.5	1.0
Coal combustion	400	2.1	0.2
Oil combustion	100	0.5	0.1
Gray iron production	1,079	5.6	0.7
Iron and steel production	844	4.4	0.5
Secondary lead smelting	755	3.9	0.4
Primary copper smelting	619	3.2	0.4
Ore crushing and grinding	493	2.5	0.3
Primary lead smelting	400	2.1	0.2
Other metallurgical	272	1.4	0.2
Lead alkyl manufacture	1,014	5.3	0.6
Type metal	436	2.3	0.3
Portland cement production	313	1.6	0.2
Pigments	112	0.6	0.1
Miscellaneous	328	1.7	0.2
Total	161,225	—	100

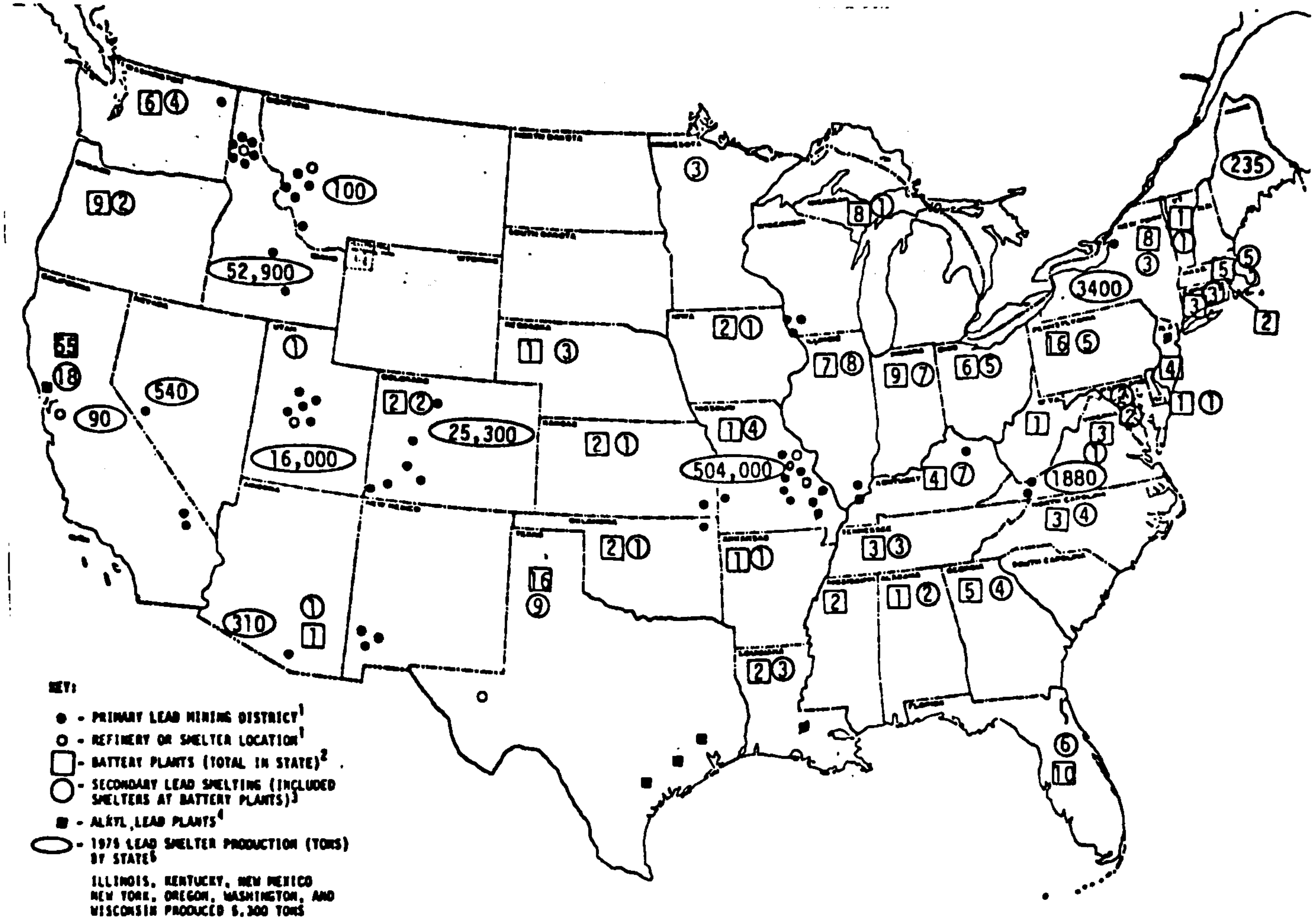
[a] Inventory does not include emissions from exhausting workroom air, burning of lead-painted surfaces, welding of lead-painted steel structures, or weathering of painted surfaces.

Reference: Air Quality Criteria for Lead, EPA-600/8-77-017, December 1977.



Location of major lead operations in the United States, 1976.[13]

Reference: Air Quality Criteria for Lead, EPA-600/8-77-017, December 1977.



Reference: Control Techniques for Lead Air Emissions, Volume I: Chapters 1-3, EPA-450/2-77-012, December 1977.

HIGHEST QUARTERLY AMBIENT LEAD LEVELS REPORTED FROM THE 25 LARGEST URBANIZED AREAS IN 1977

Urbanized areas in decreasing order of population	Number of sites reporting	Highest quarter reported µg/m³
1. New York, NY-Northeastern NJ	4	2.18*
2. Los Angeles-Long Beach, CA	5	3.90*
3. Chicago, IL-Northeastern, IN	8	2.09*
4. Philadelphia, PA	2	1.44
5. Detroit, MI	1	1.08
6. San Francisco-Oakland, CA	2	1.70*
7. Boston, MA	2	0.82
8. Washington, DC-MD-VA	1	1.13
9. Cleveland, OH	1	0.90
10. St. Louis, MO-IL	1	1.07
11. Pittsburgh, PA	1	1.31
12. Minneapolis-St. Paul, MN	2	1.96*
13. Houston, TX	3	1.61*
14. Baltimore, MD	1	1.18
15. Dallas-Ft. Worth, TX	3	2.29*
16. Milwaukee, WI	1	1.06
17. Seattle-Everette, WA	1	1.62*
18. Miami, FL	7	1.73*
19. San Diego, CA	1	2.40*
20. Atlanta, GA	1	1.36
21. Cincinnati, OH-KY	2	0.90
22. Kansas City, MO-KS	2	1.01
23. Buffalo, NY	0	
24. Denver, CO	4	1.30
25. San Jose, CA	1	2.90*

*Quarterly average above NAAQS (1.5 µg/m³).

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO. EPA 450/2-80-071	2.	3. RECIPIENT'S ACCESSION NO.
4. TITLE AND SUBTITLE Program to Prevent the Significant Deterioration of Carbon Monoxide, Ozone, Hydrocarbons, Nitrogen Dioxide and Lead.		5. REPORT DATE March 1980
		6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S) David R. Dunbar, Roy A. Paul		8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS PEDCo Environmental, Inc. 505 S. Duke Street Durham, NC 27701		10. PROGRAM ELEMENT NO. 2A2113
		11. CONTRACT/GRANT NO. 68-01-4147 Task Order Number 104
12. SPONSORING AGENCY NAME AND ADDRESS U. S. EPA Office of Air Quality Planning Standards Research Triangle Park, NC 27711		13. TYPE OF REPORT AND PERIOD COVERED Interim
		14. SPONSORING AGENCY CODE EPA-AQP

15. SUPPLEMENTARY NOTES

16. ABSTRACT

Section 166 of the 1977 Clean Air Act requires EPA to conduct a study and to promulgate regulations to prevent significant deterioration of air quality resulting from carbon monoxide (CO), volatile organic compounds (VOC) or hydrocarbon (HC), nitrogen oxides (NO_x) and lead (Pb). The regulations which are to be promulgated shall provide specific numerical measures against which permit applications may be evaluated. The regulations must also provide a framework for stimulating improved control technology. protection of air quality valves, and the fulfillment of the goals and purposes of the PSD program which are set forth in Section 160 of the Act.

This report identifies and evaluates various alternatives for implementing the PSD program and describes in detail a number of issues which need to be resolved in order for the PSD program to be effectively carried out. The report identifies the various sources to be affected by the PSD program for CO, VOC or HC, ozone (O_3), NO_x and Pb. It also provides an assessment of the impact in terms of potential growth which may be precluded as a result of the PSD program for CO, VOC or HC, O_3, NO_x and Pb as compared to the current PSD program for TSP and SO_2. Finally, the report provides an assessment of the potential consequences of no further regulatory action for PSD.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group

18. DISTRIBUTION STATEMENT Release to Public	19. SECURITY CLASS *(This Report)* Unclassified	21. NO. OF PAGES 716
	20. SECURITY CLASS *(This page)* Unclassified	22. PRICE

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