

A1200.8
Sub 3 Top
1982

TEXAS AIR CONTROL BOARD

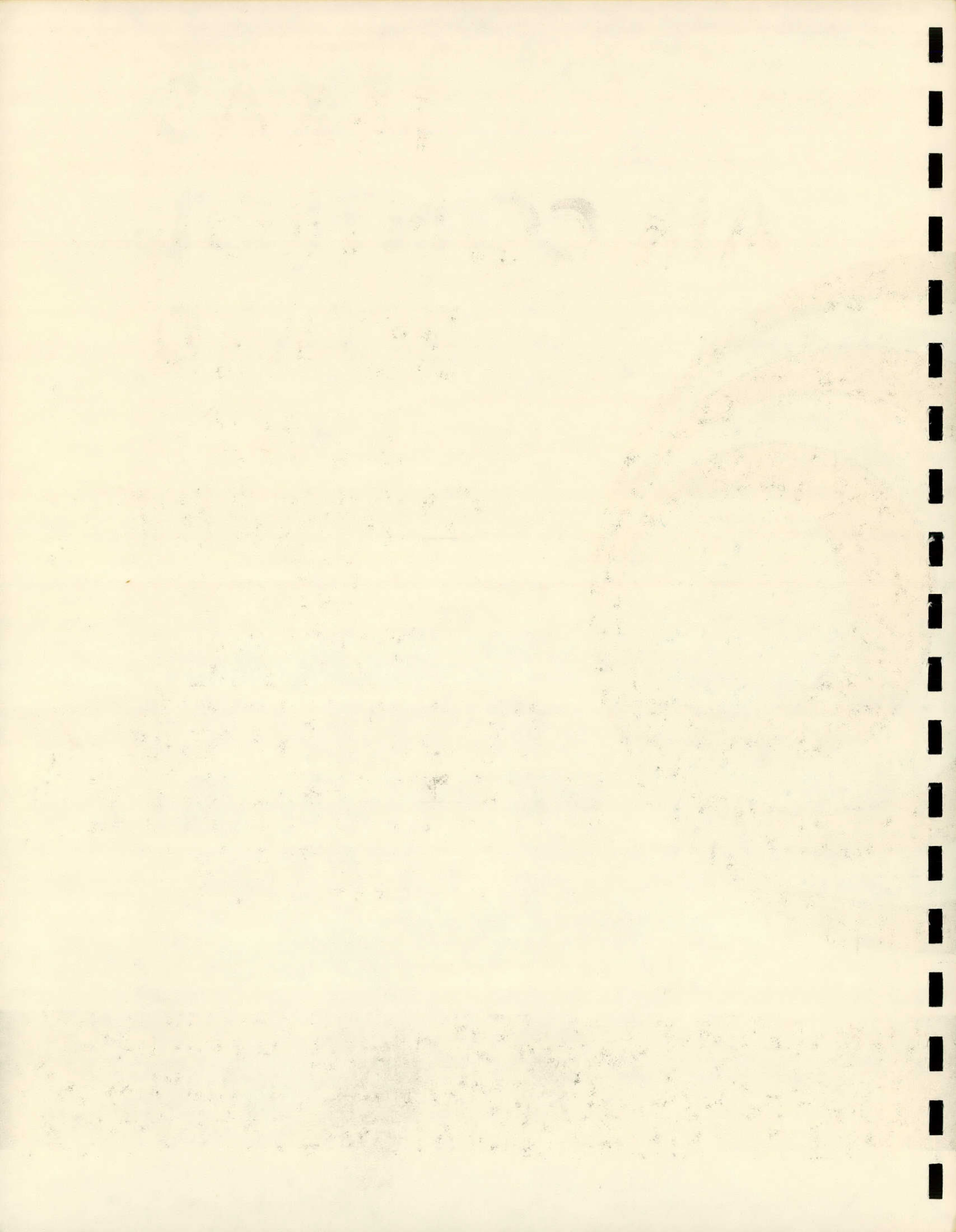
1982 SUMMARY OF TOTAL SUSPENDED PARTICULATE DATA



Government Publications
Texas State Documents

MAY 4 1984 ✓





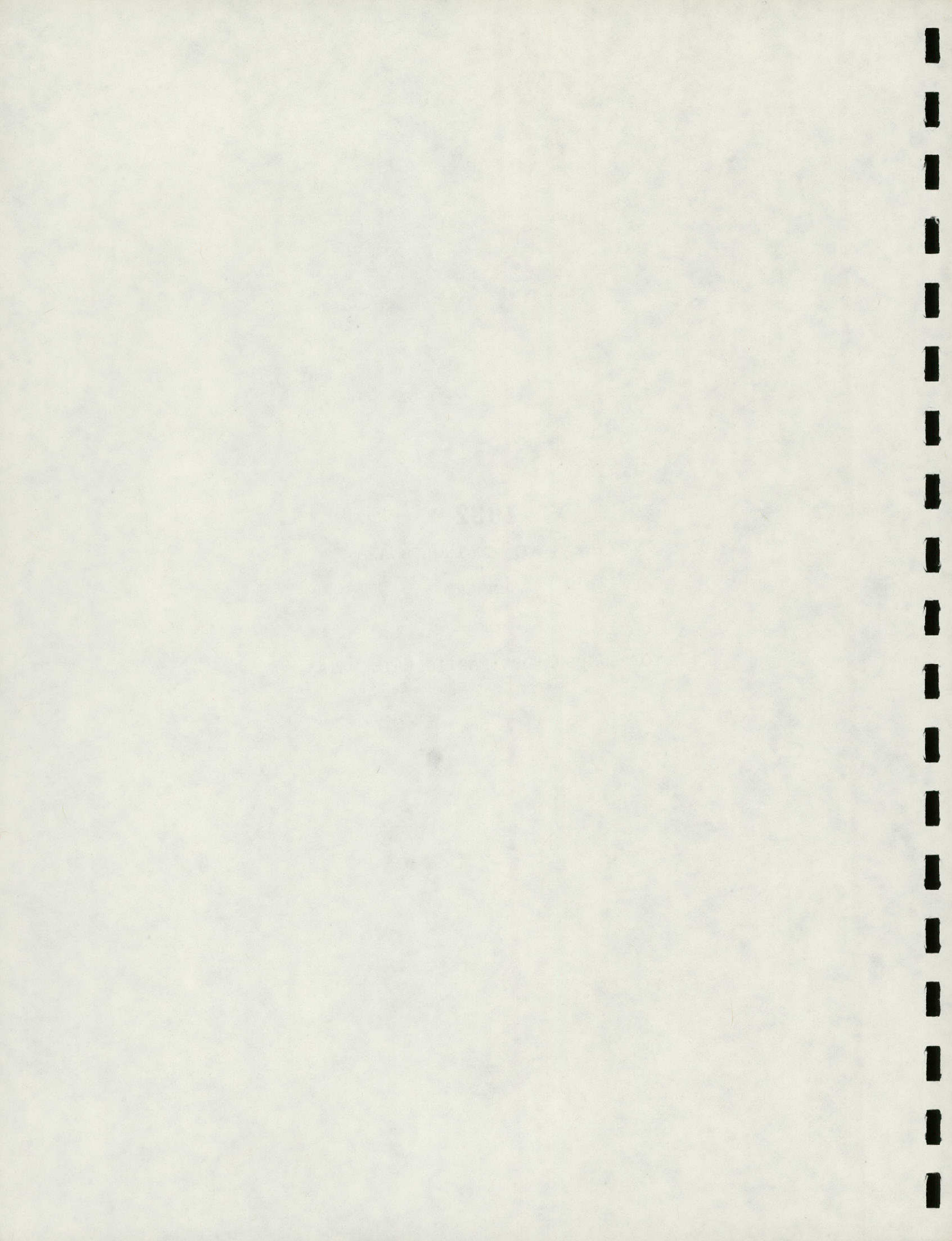
1982

TEXAS AIR CONTROL BOARD

SUMMARY

OF

TOTAL SUSPENDED PARTICULATE DATA



INFORMATION FOUND IN THE SUMMARIES

The data presented in this report are the result of ambient total suspended particulate (TSP) air sampling which was conducted in Texas during the year 1982. All samples were collected with high volume air samplers for 24-hour periods at six day intervals.

Data are arranged in order by Air Quality Control Region (AQCR). The computer program which generated this report currently sorts within AQCR by county and then SAROAD site number. We intend to sort by AQCR and SAROAD number next year.

A statistical summary is given for each sampling site. The following information is presented in the report.

Start Date - Date first sample of the data group was taken.

End Date - Date last sample of the data group was taken.

Number of Samples - Total number of samples in the data group.

Maximum 24-Hour Concentration - Highest single 24-hour concentration measured during the reporting period.

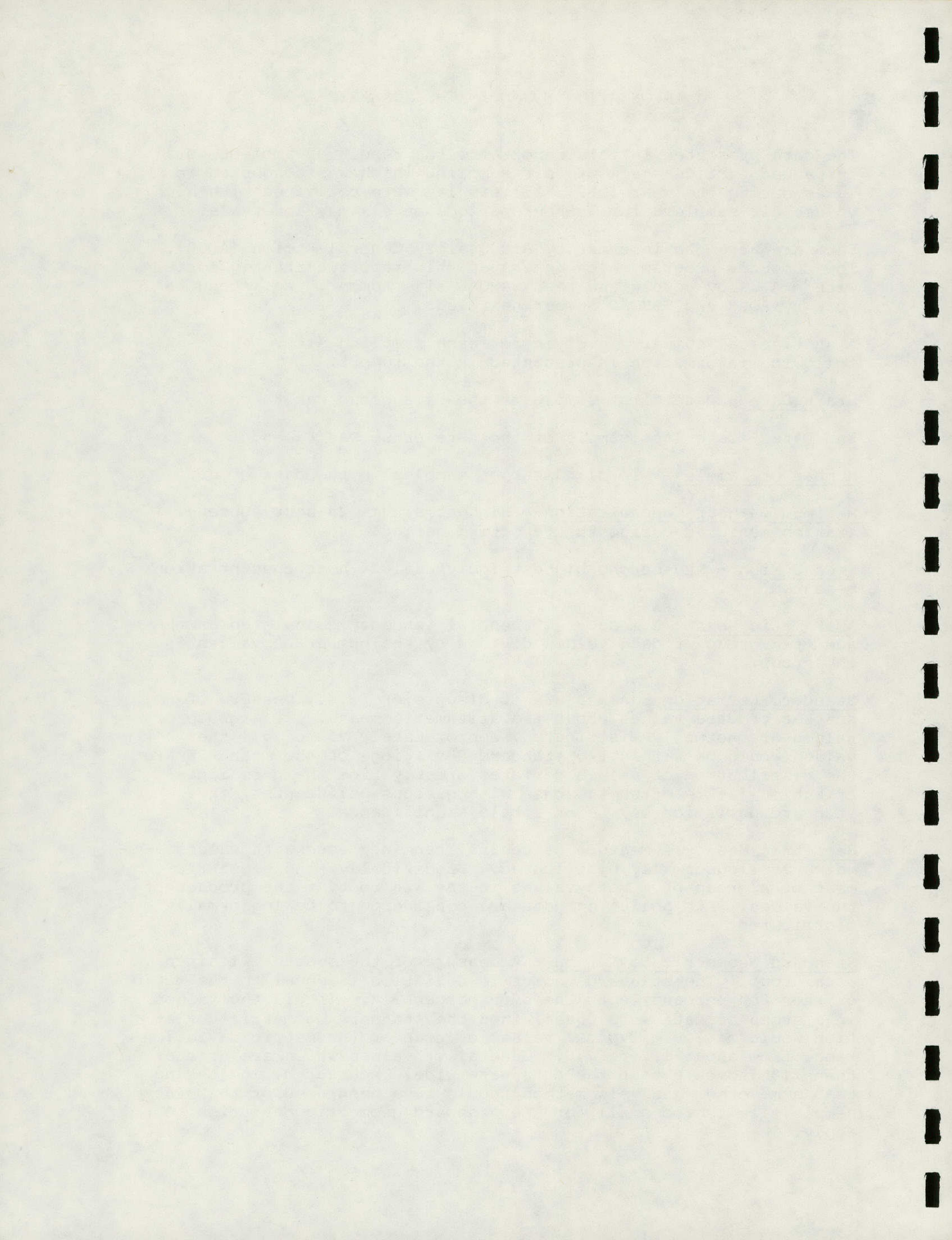
Second High - The second highest individual 24-hour concentration measured.

Arithmetic Mean - A measure of central tendency calculated as the sum of a group of data values divided by the number of values in the group.

Standard Deviation - A measure of dispersion (i.e., measure of scatter of data values about the arithmetic mean). If a group of values are normally distributed, approximately 95% of all the values would be within two standard deviations of the mean. Where the distribution of values deviates greatly from the normal distribution (as is often the case with gaseous pollutants), the standard deviation may be of little significance.

Geometric Mean - A measure of central tendency used with values which are lognormally distributed. Specifically, the geometric mean of a group of N data values is the Nth root of the product of the values. Air pollution data are considered to be lognormally distributed.

Standard Geometric Deviation - A measure of the scatter within a data group. The standard geometric deviation is equal to the ratio of the 68th percentile to the 50th percentile. If all the values in a group of data were equal, then the standard geometric deviation would be 1.0. Typical values of standard geometric deviation range from about 1.2 to 2.0. Generally, values which are greater than 2.0 indicate that the data were widely scattered, indicating that some other analysis method should have been used or that the sample size is too small for the standard geometric deviation to apply.



Micrograms Per Cubic Meter ($\mu\text{g}/\text{m}_3$) - A standard method of expressing the concentration of a pollutant on a mass per volume basis; 1 microgram = .000001 gram.

In addition to data collected by the TACB, several local air pollution control agencies have supplied data for this report. State and local sampling sites can be readily differentiated in the report by noting the "Source" code. A code of "04" indicates a state sampler, samples analyzed by the Texas Air Control Board Laboratory. The source codes "02" or "06" are used for data supplied by local agencies. Local air pollution control agencies furnishing data follow.

Corpus Christi - Nueces County
Department of Health and Welfare
Air Pollution Control Division
(Source Code 02)

Dallas City Public Health Department
Air Pollution Control Division
(Source Code 02)

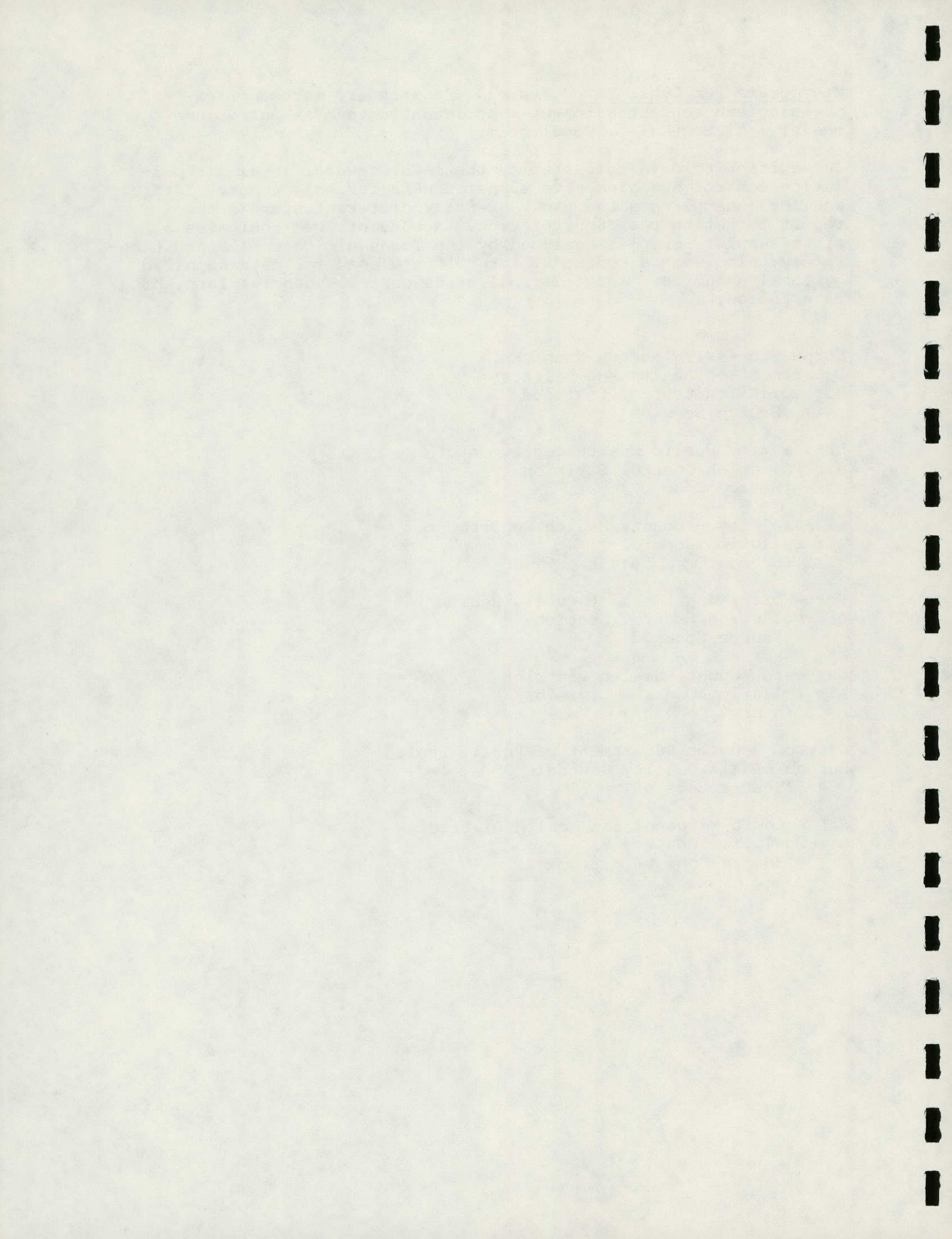
El Paso City - County Health Department
Air Pollution Control
(Source Code 06)

Fort Worth Department of Public Health
Air Pollution Control Section
(Source Code 02)

Galveston County Health District
Air Pollution Control Division
(Source Code 02)

City of Houston Department of Public Health
Bureau of Air Quality Control
(Source Code 06)

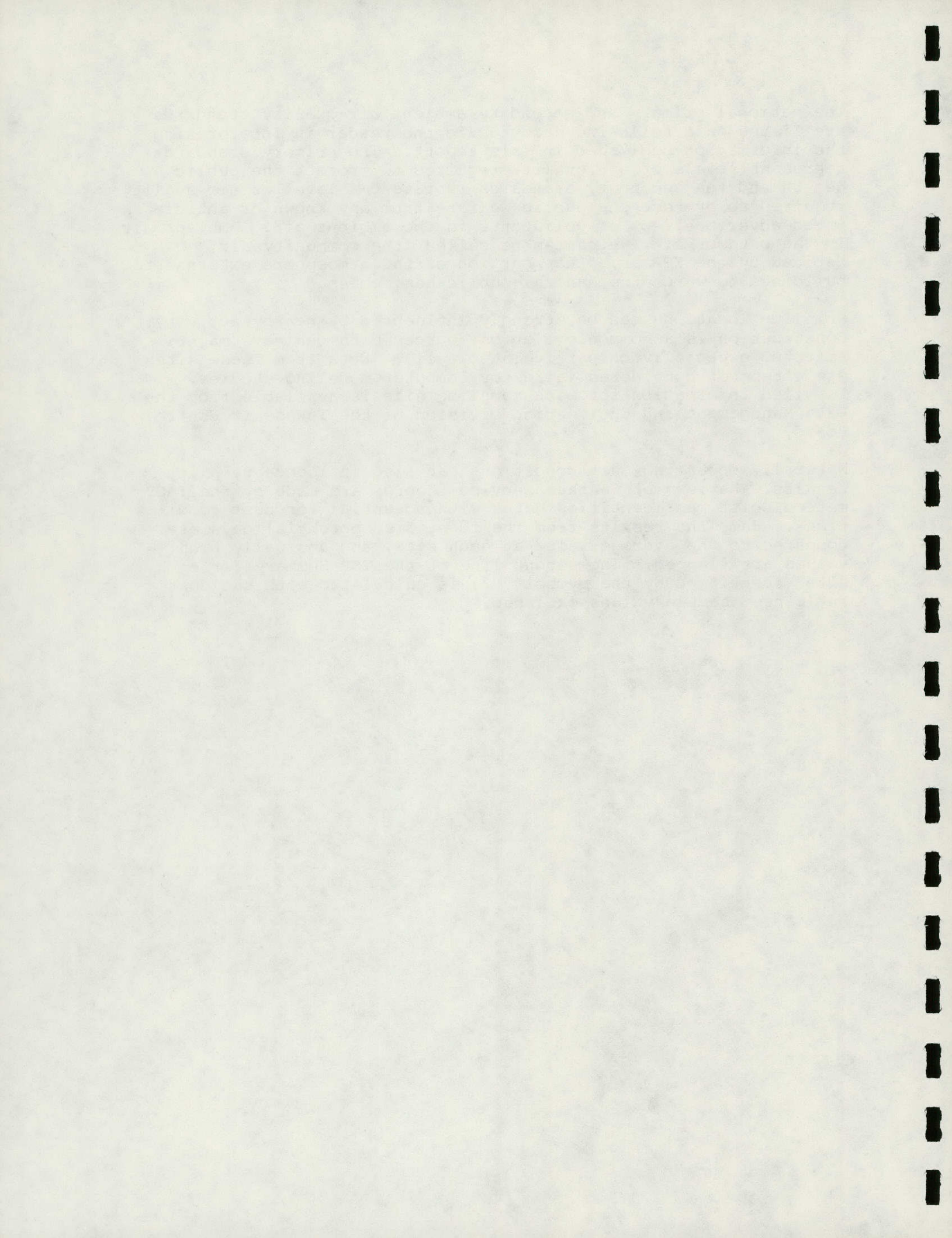
San Antonio Metropolitan Health District
Air Pollution Control
(Source Code 06)



The national primary and secondary ambient air quality standards are listed on a following page to aid the reader in interpreting the information published in this report. The primary standards represent levels of air quality required to protect the public health and the secondary standards represent a level of air quality required to protect the public welfare from any known or anticipated adverse effect of pollutants in the ambient air. Ambient air is the outdoor air, which can be called "the community air," defined by the EPA as, "that portion of the atmosphere external to buildings to which the general public has access."

Sampling locations can be strongly influenced by nearby activity. Construction is a common pollution source which can have major affects, especially on particulate levels. Data from these sites are often not considered valid for computer modeling studies. Detailed information for each sampling site is available from the Data Management and Engineering Division of the Texas Air Control Board.

Naturally occurring dust conditions can also influence sampling results. Reviews of weather service records are made by the TACB meteorologist who identifies dates with potential for dust conditions. Sampling results from the identified potential days are compared to the average value at each site, and unusually high values are flagged. The second line of the TSP Summary for each site (identified by the symbol "*") is calculated with the dust influenced sample values excluded.

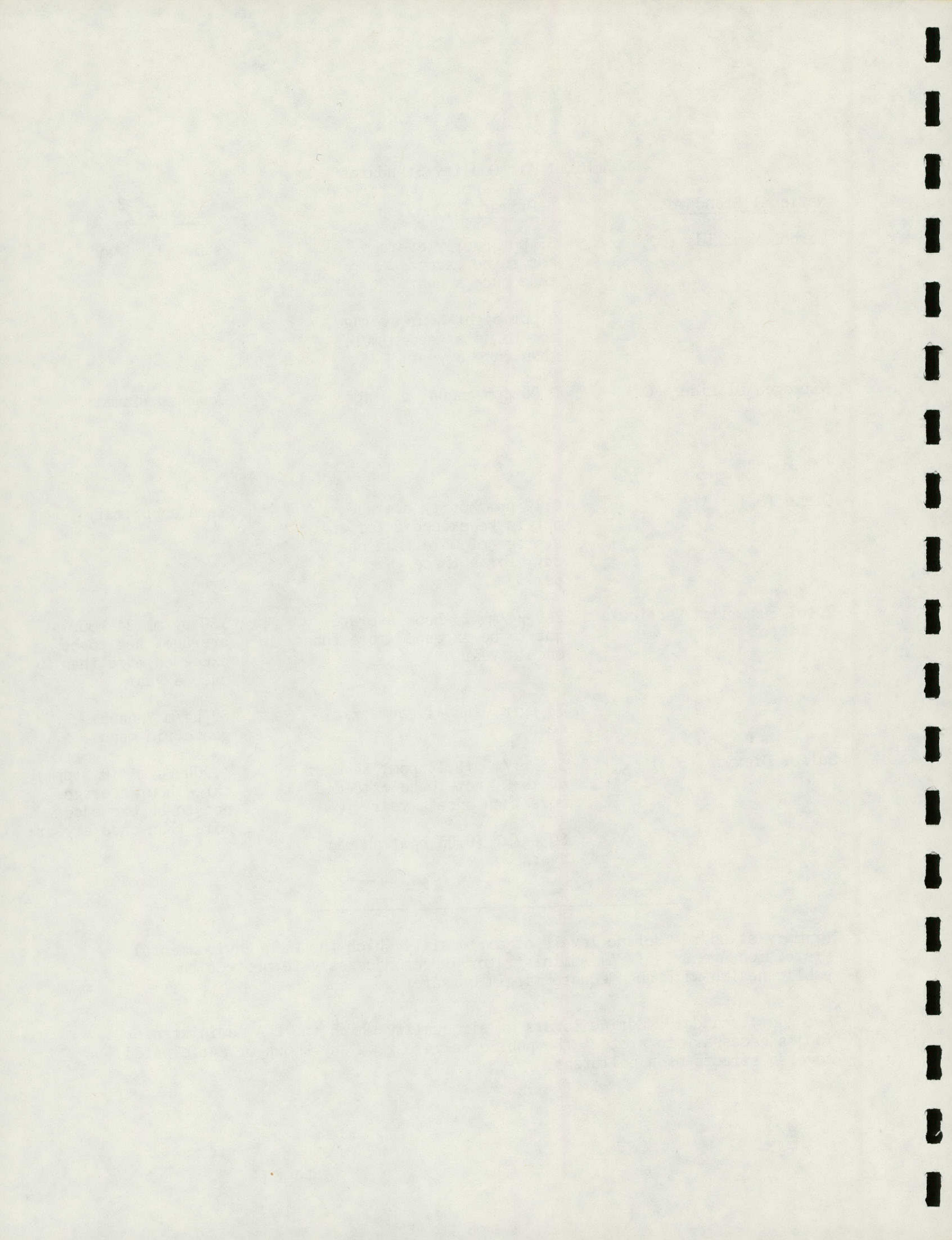


Ambient Air Quality Standards

<u>National Standards</u>	<u>Primary</u> ¹	<u>Secondary</u> ²
Carbon Monoxide (CO)	35 ppm hourly average, not to be exceeded more than once a year	same as primary
	9 ppm eight-hour average, not to be exceeded more than once a year	
Nitrogen Dioxide (NO ₂)	0.05 ppm annual average	same as primary
Ozone (O ₃)	0.12 ppm hourly average, not to be exceeded for an average of more than one day for a three year period	same as primary
Total Suspended Particulate Matter	260 µg/m ³ 24-hour average not to be exceeded more than once a year	150 µg/m ³ 24-hour average, not to be exceeded more than once a year
	75 µg/m ³ annual geometric mean	60 µg/m ³ annual geometric mean
Sulfur Dioxide (SO ₂)	365 µg/m ³ (0.14 ppm) 24-hour average, not to be exceeded more than once a year	1,300 µg/m ³ (0.5 ppm) three hour average, not to be exceeded more than once a year
	80 µg/m ³ (0.03 ppm) annual average	

¹Primary standards define levels of air quality which the U.S. Environmental Protection Agency's (EPA) Administrator judges necessary to protect the public health with an adequate margin of safety.

²Secondary standards define levels of air quality which the EPA Administrator judges necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

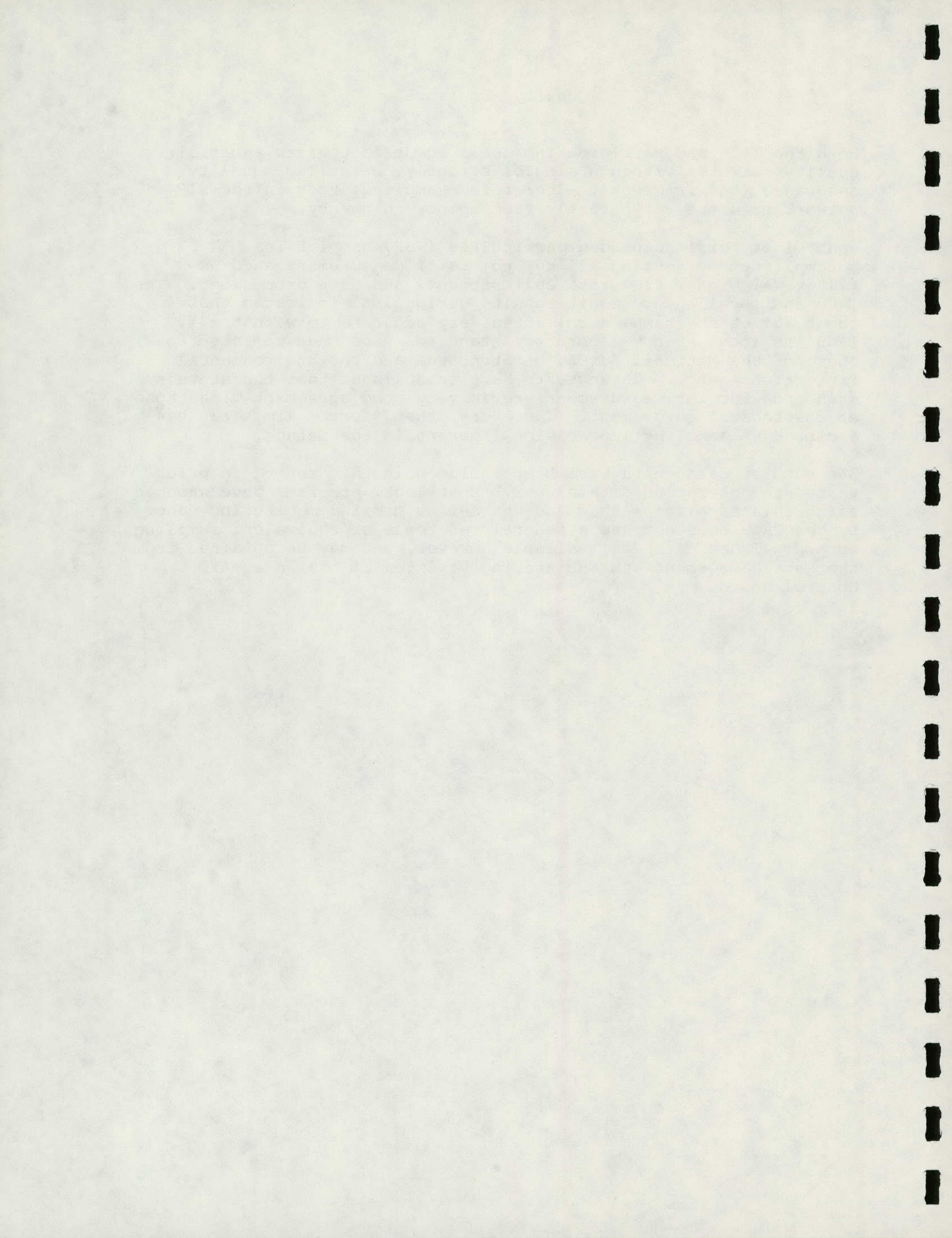


Quality Assurance

Both the TACB and participating local agencies operate their air quality networks within a single, strictly controlled, quality assurance (QA) framework. Therefore, sampling error in the SIP network does not vary greatly from agency to agency.

Control of total suspended particulate (TSP) samples is accomplished by testing all key points of measurement such as filter weighings, flow rate calibrations, and data processing. The TACB and local agency audit results during 1981 indicated that about 95% of the samples collected were accurate to within $\pm 7\%$. TACB and local agency laboratory standards have been compared to those of the National Bureau of Standards and the Environmental Protection Agency. These tests have established that the state's standards for TSP measurement are in very good agreement with those of the federal government. Therefore, the 7% error limit can be ascribed to sampling imprecision inherent in the method.

Gas bubbler data which have been included in this report in prior years are not included this year. Most local programs have stopped using this sampling method and the sulfur dioxide monitoring done by the TACB does not use a federal reference or equivalent sampling method. These data are available however, and may be obtained from the Data Management and Engineering Division of the Texas Air Control Board.



SAROAD NUMBERING SYSTEM & COMPARISON TO OLD SYSTEM

City or County Code
County code used if
population < 2500
(example: 1700 = El
Paso)

Site Number
Sequential # within City or
County Code (001 to 999)
(example: third site in El
Paso)

State Code
(45 = Texas)

Agency Responsible
F = State (TACB)
G = County Program
H = City Program
A = Federal
P = EPA Regional Office

Old System →

45	1700	003	F	01
45	1700	03	04	

Project Classification
01 = Population oriented
02 = Source oriented
03 = Background

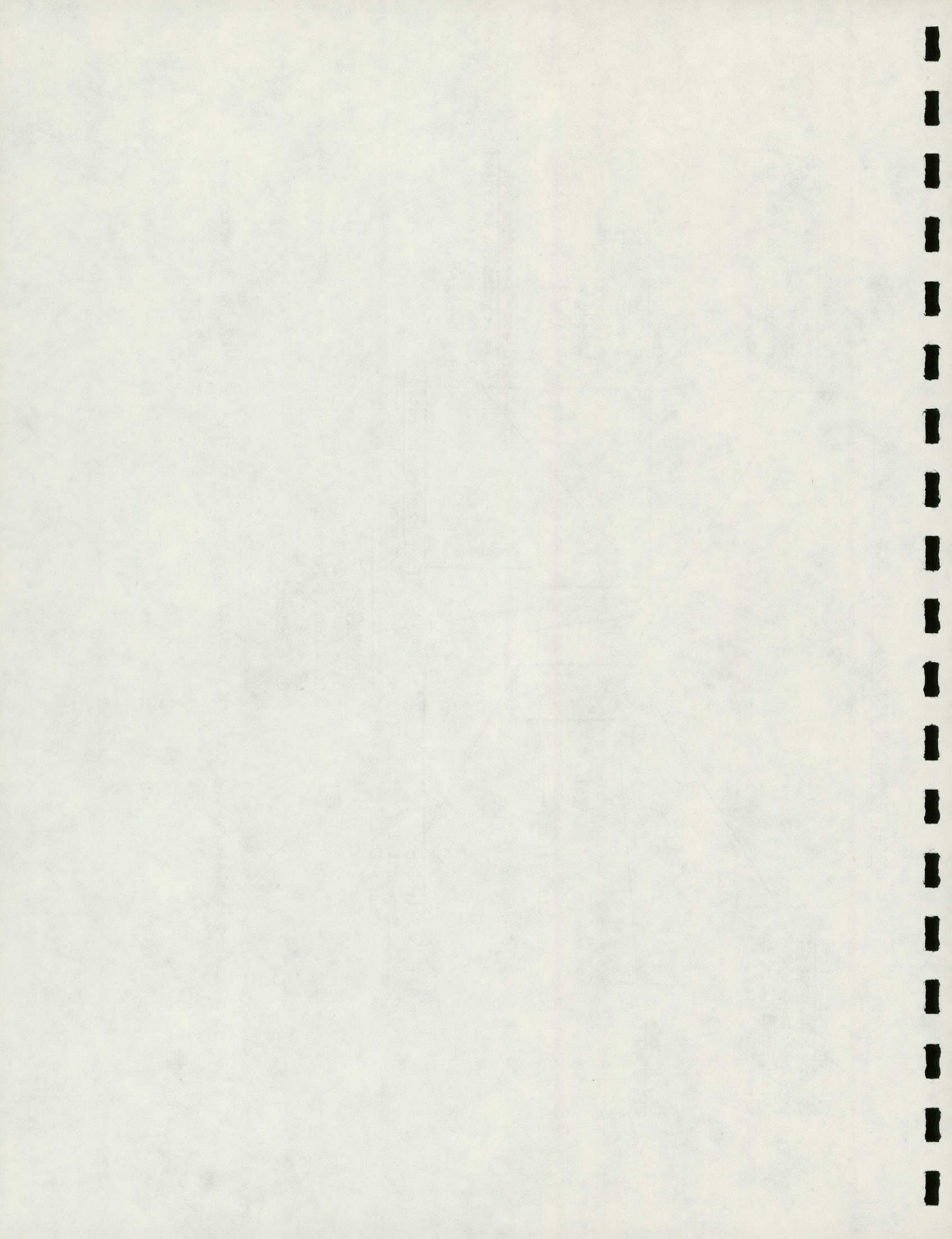
Site Number
Sequential # within City or
County Code (01 to 99)

Project Classification
Not used in old system

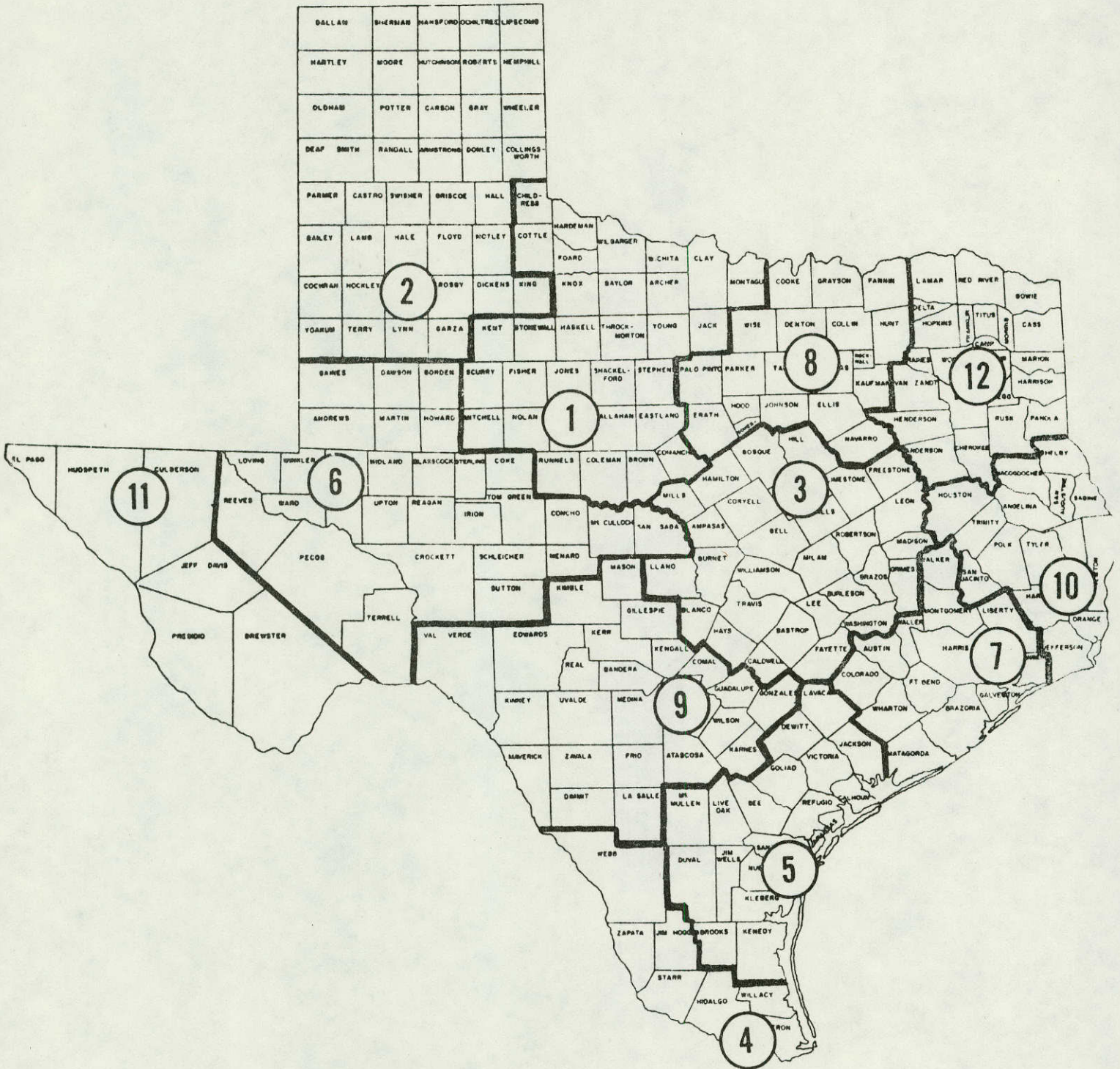
Agency Code
04 = State (TACB)
06 = County Program
02 = City Program
01 = Federal

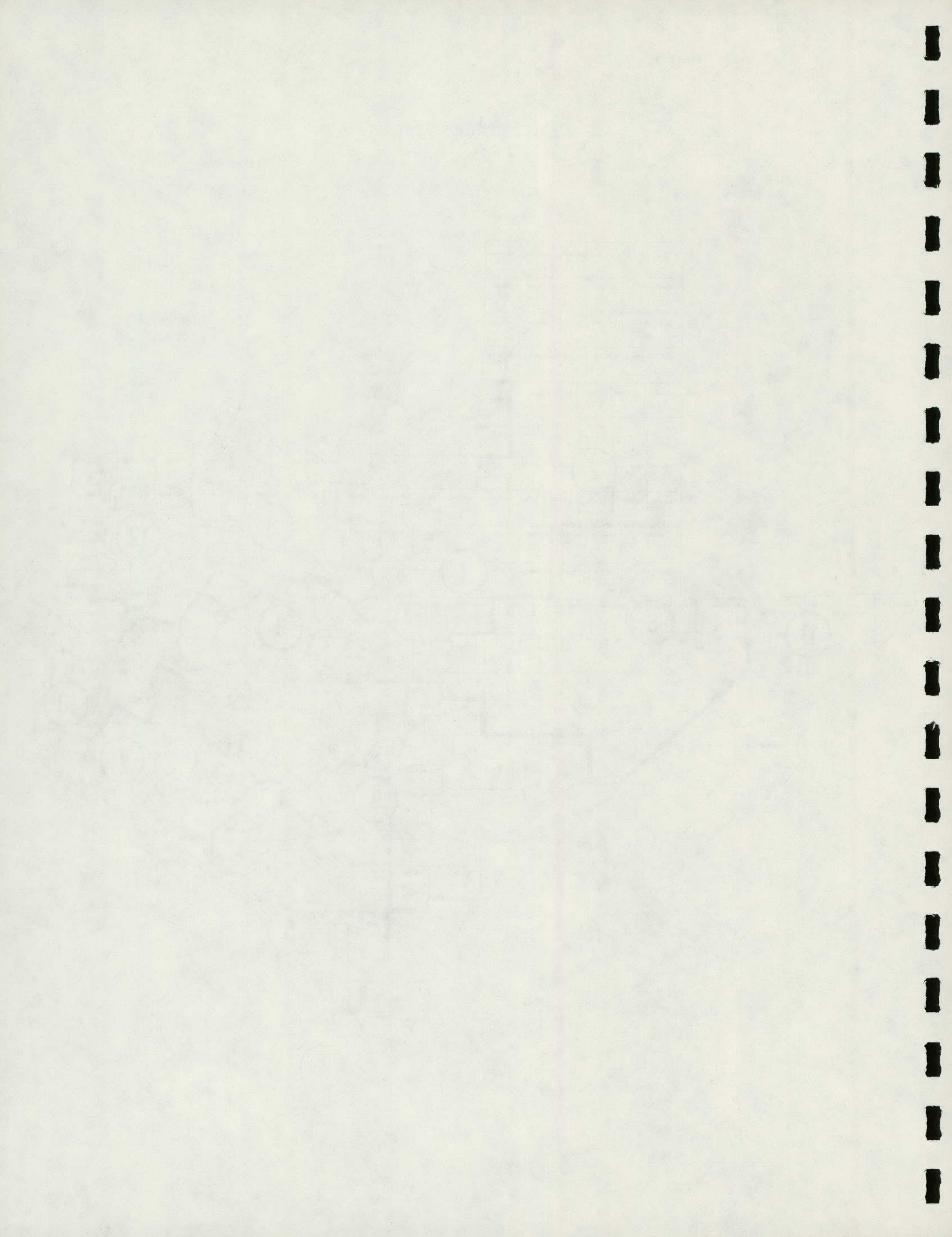
9

Site numbers on these maps are in the new SAROAD system. The state code '45' has been omitted.

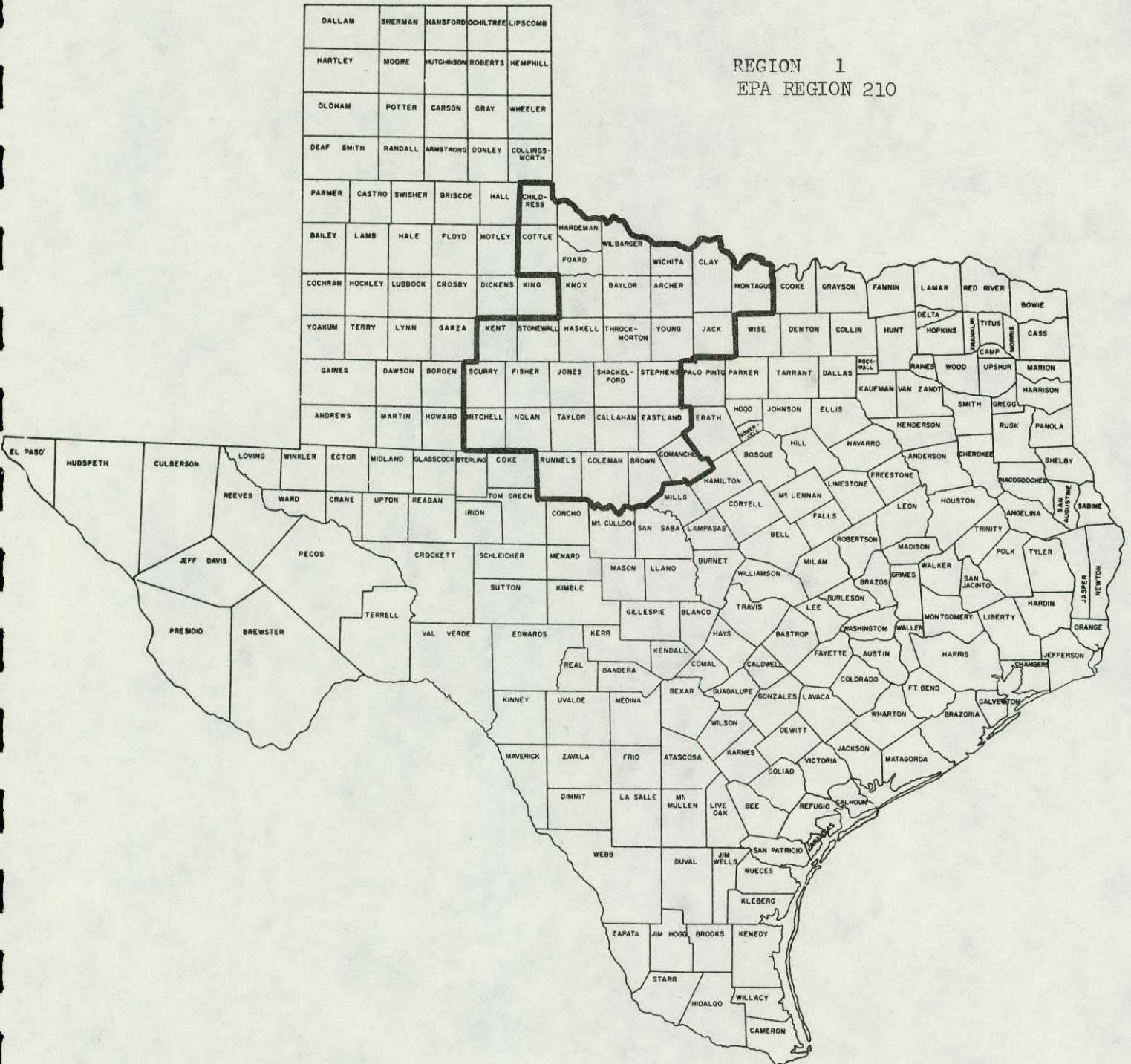


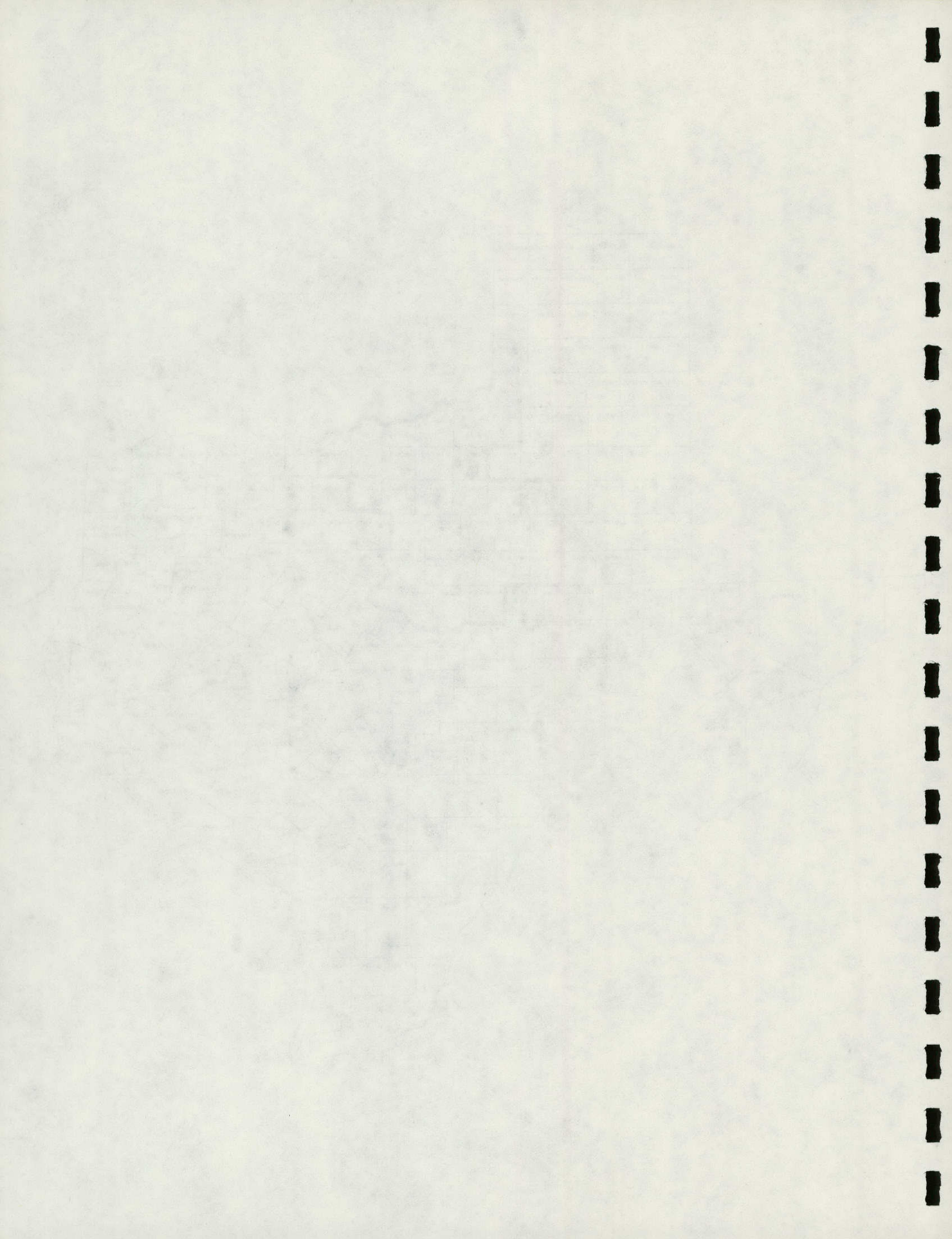
AIR QUALITY CONTROL REGIONS





REGION 1
EPA REGION 210



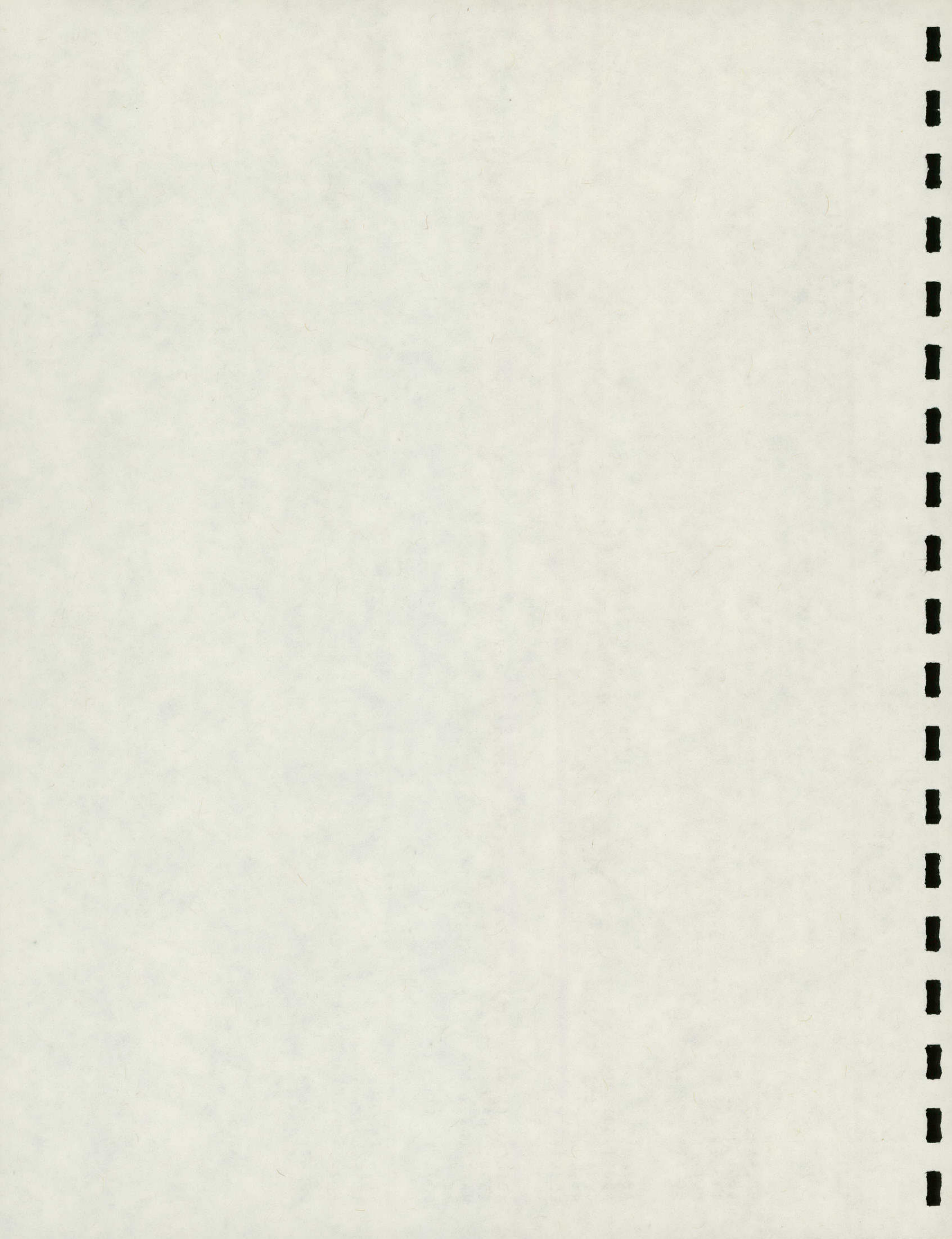


TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

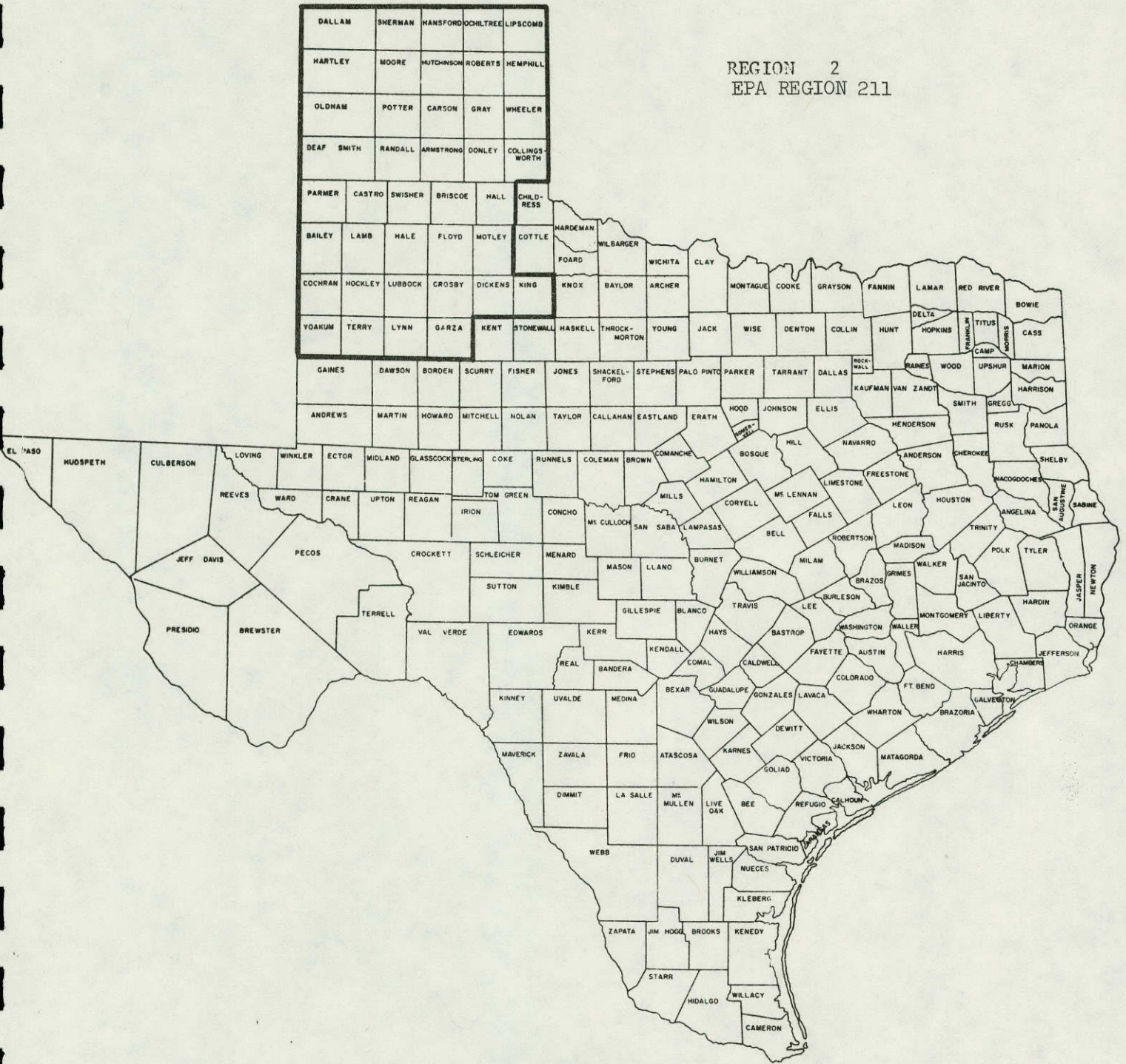
REGION 01

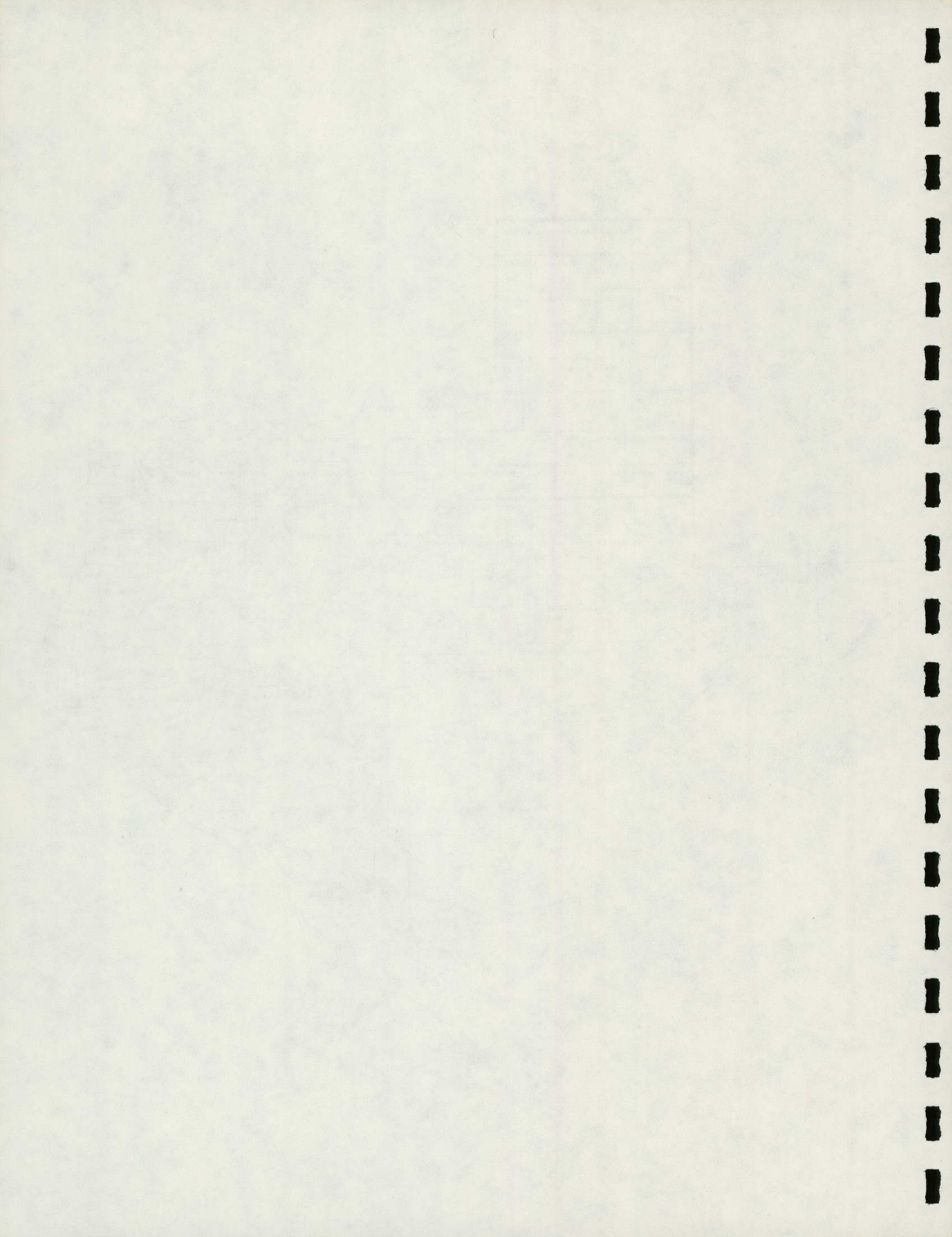
		START DATE	END DATE	NO. OF SAMPLES	MAY 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
BROWNWOOD 450660002F01 115 INDIAN CREEK RD., BROWNWOOD, 76801 COUNTY BROWN	TSP	01/05/82	12/31/82	50 * 53	186 76	96 22	51 49	23 15	48 47	1.4 1.4
ABILENE 450010001F01 CENTRAL FIRE STATION, 2ND AND MULBERRY, RICE COUNTY TAYLOR	TSP	01/05/82	12/31/82	57 * 54	308 132	191 122	78 70	43 22	70 65	1.5 1.4
ABILENE (STATE PARK) 450010002F03 WATERTOWER COMPOUND, ABILENE STATE PARK COUNTY TAYLOR	TSP	01/05/82	12/31/82	57 * 54	241 92	107 66	50 45	32 17	44 41	1.7 1.6
WICHITA FALLS 455560002F01 1700 3RD ST, CITY-CC HEALTH UNIT COUNTY WICHITA	TSP	01/05/82	12/31/82	57 * 54	134 121	142 106	58 53	27 17	64 61	1.4 1.4

∞ * NO OUSTISORY DATA ARE INCLUDED



REGION 2
EPA REGION 211



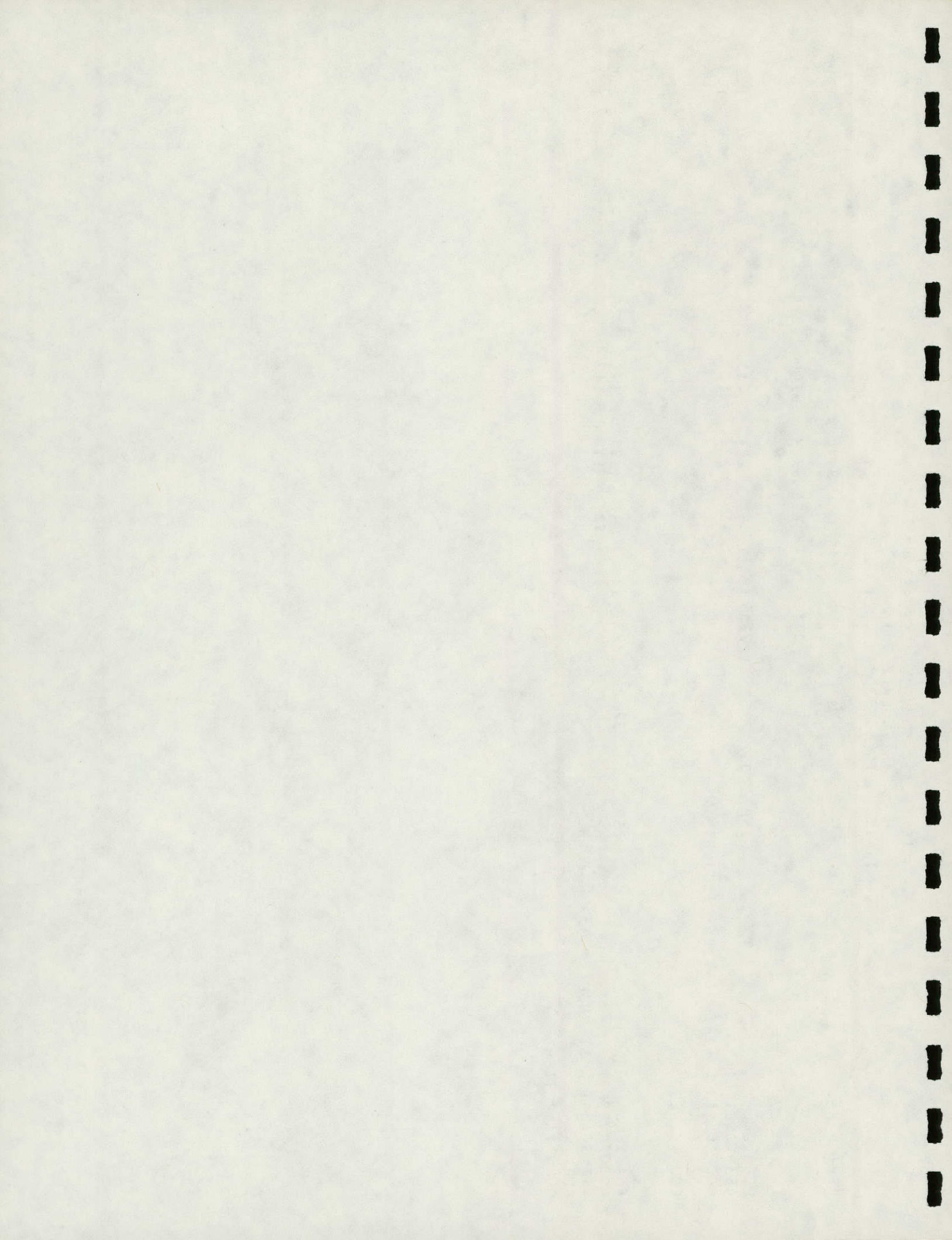


TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

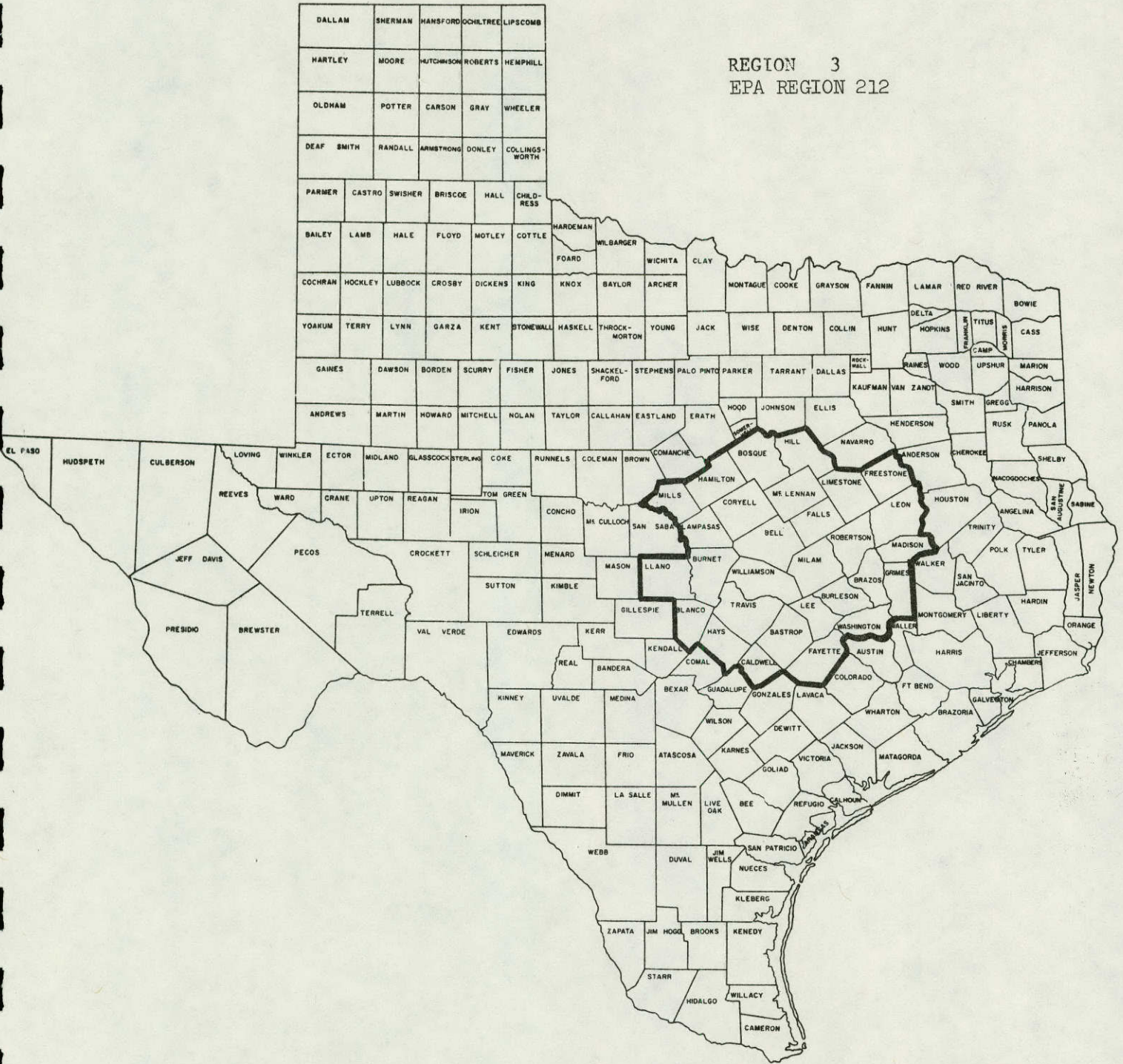
REGION 02

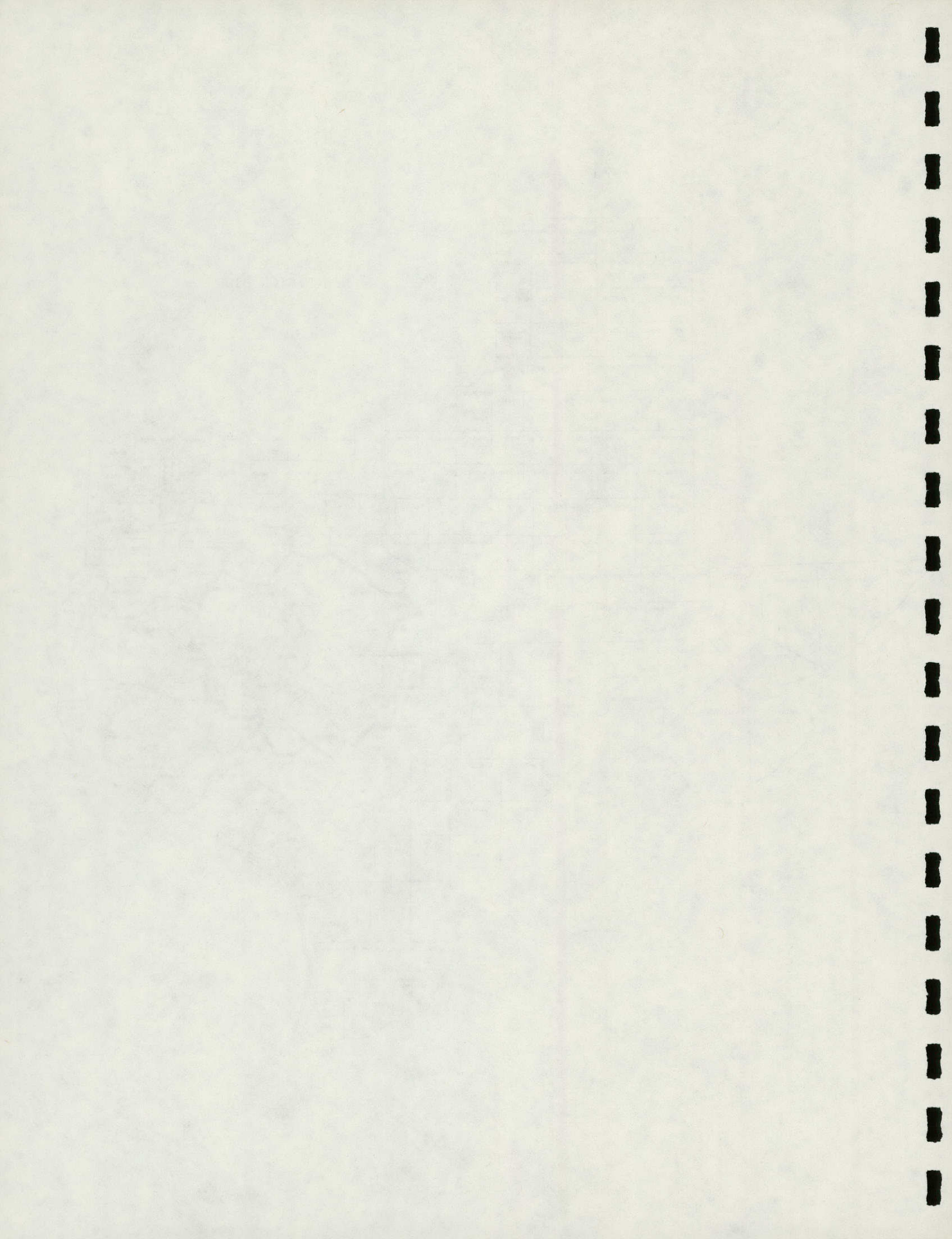
		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
LUBBOCK	TSP	01/17/82	12/31/82	56	224	211	86	41	77	1.6
453340001F01				* 52	224	177	79	34	73	1.5
ROOF CENTRAL FIRE STATION, 1100 6TH ST AT K COUNTY LUBBOCK										
AMARILLO (HEALTH)	TSP	01/05/82	12/31/82	54	225	177	76	34	69	1.5
450070002F01				* 50	110	113	69	21	65	1.4
417 S AUSTIN ST ROOFTOP P-R HEALTH DEPT COUNTY POTTER										

† * NO DUSTSTORM DATA ARE INCLUDED



REGION 3
EPA REGION 212





TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 03

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
WACO 455370007F01 COLONIAL HILL FIRE STATION 2800 BOS QUE BLVD COUNTY MCLENNAN	TSP	01/11/82	12/31/82	58 * 57	139 139	104 104	56 56	17 17	54 54	1.3 1.3
AUSTIN (HEALTH) 450220004F02 CITY-COUNTY HEALTH DEPT, 1313 SABIN E ST, ROOF COUNTY TRAVIS	TSP	01/05/82	12/31/82	50 * 48	176 176	139 98	68 66	26 24	64 63	1.4 1.4
AUSTIN (DAWSON) 450220005F01 MOLLIE DAWSON SCHOOL, ROOF, 3001 S. 1ST ST, AT POWELL ST COUNTY TRAVIS	TSP	01/05/82	12/31/82	58 * 55	144 125	125 80	52 49	22 17	48 46	1.4 1.4
AUSTIN (RIDGETOP) 450220010F01 RIDGETOP SCHOOL ROOF CASWELL AVE COUNTY TRAVIS	TSP	01/05/82	12/31/82	57 * 55	142 91	91 39	54 52	19 15	51 50	1.4 1.3
AUSTIN, NORTHWEST(CAMS 3) 450220014F01 3724 NO. HILLS DR. A, MURCHISON JR. HI GH COUNTY TRAVIS	TSP	01/05/82	12/31/82	58 * 55	174 174	164 164	62 59	28 27	57 55	1.5 1.5

5 * NO DUSTSTORM DATA ARE INCLUDED

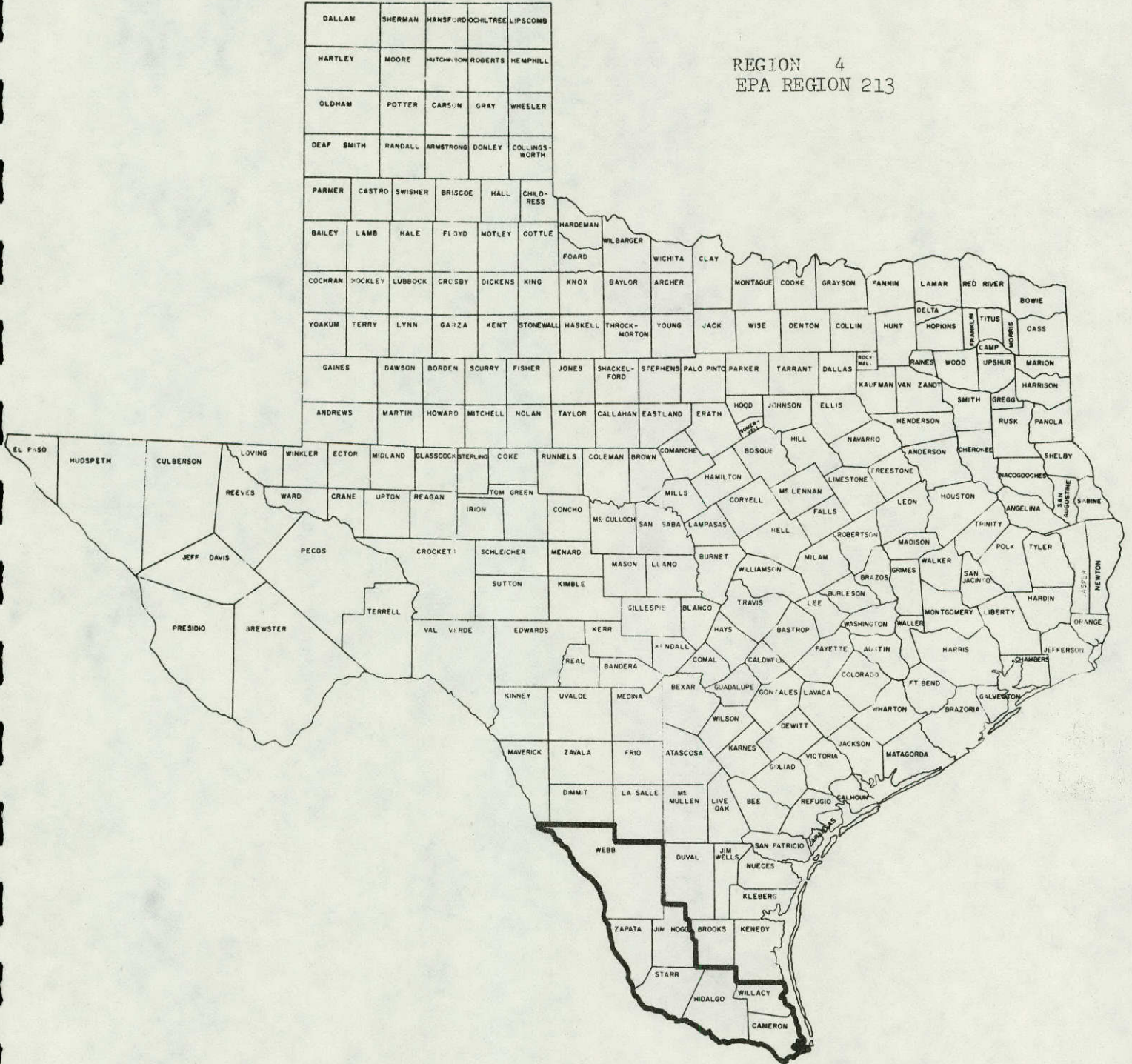
TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

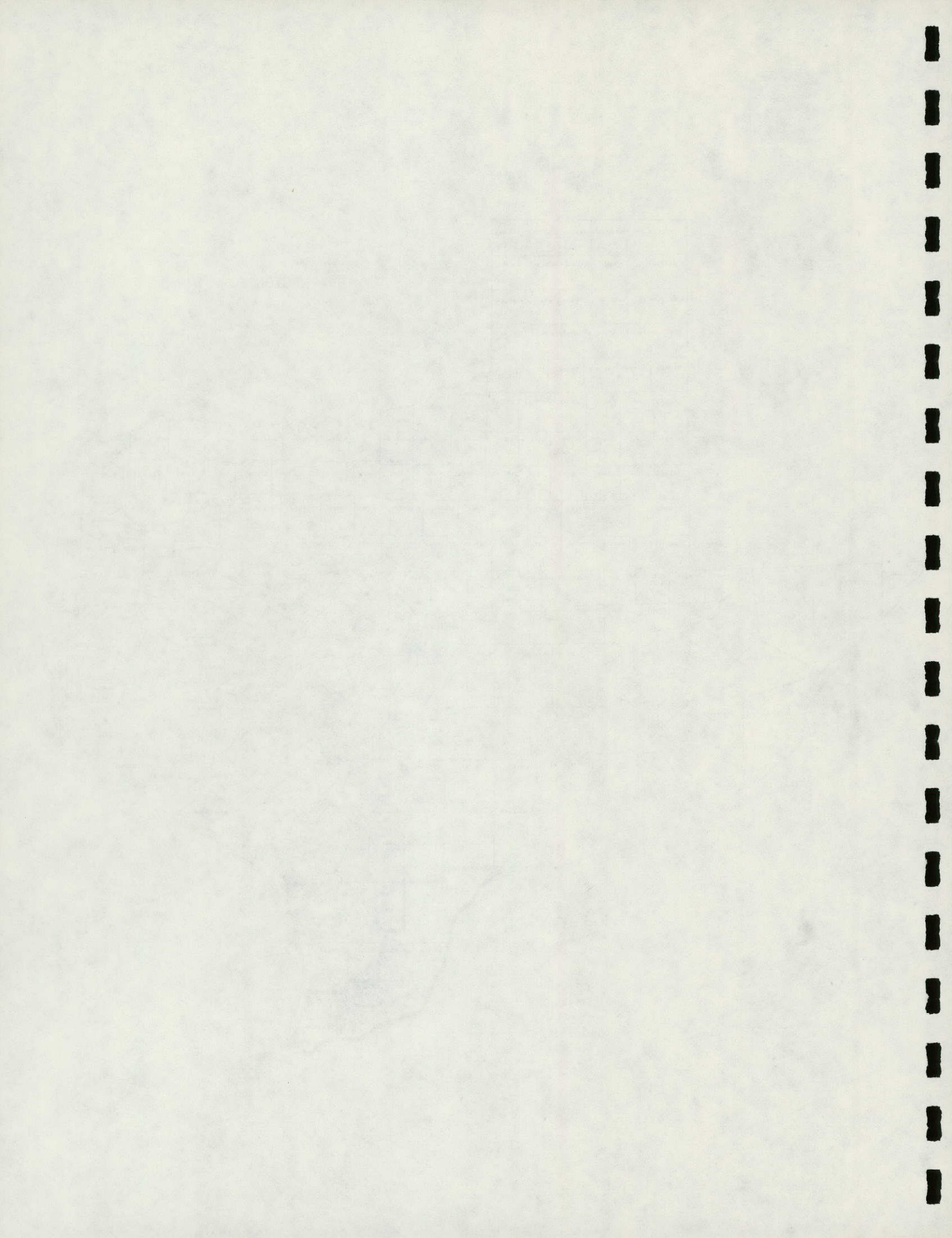
REGION 03

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
AUSTIN (EAST AUSTIN)	TSP	01/05/82	12/31/82	53	159	151	69	30	64	1.5
450220016F01				* 50	159	141	66	27	62	1.5
2802 WEBBERVILLE RD; PLEASANT-VALLE Y RD & WEBBERVILLE RD COUNTY TRAVIS										

11 * NO DUSTSTORM DATA ARE INCLUDED

REGION 4
EPA REGION 213



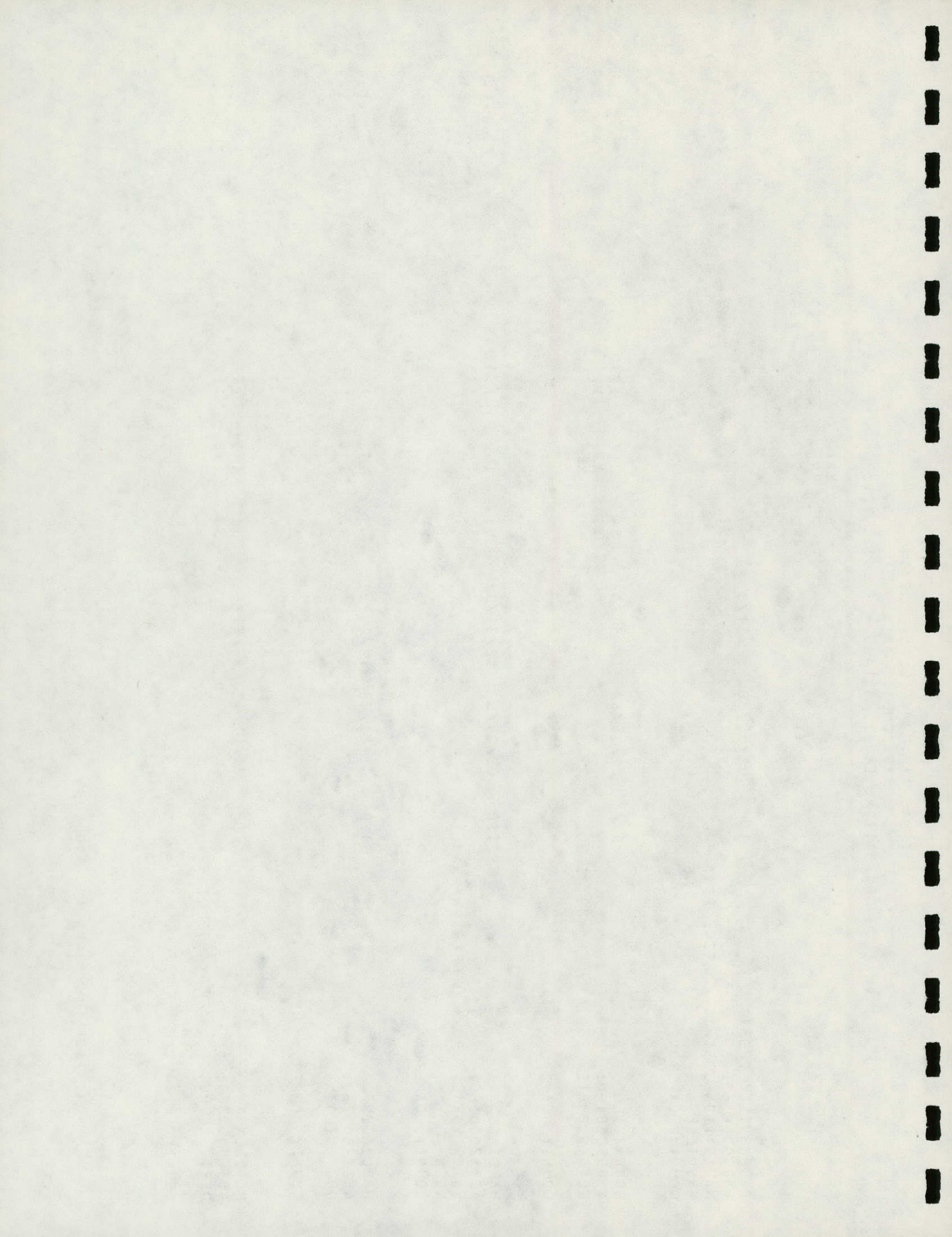


TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

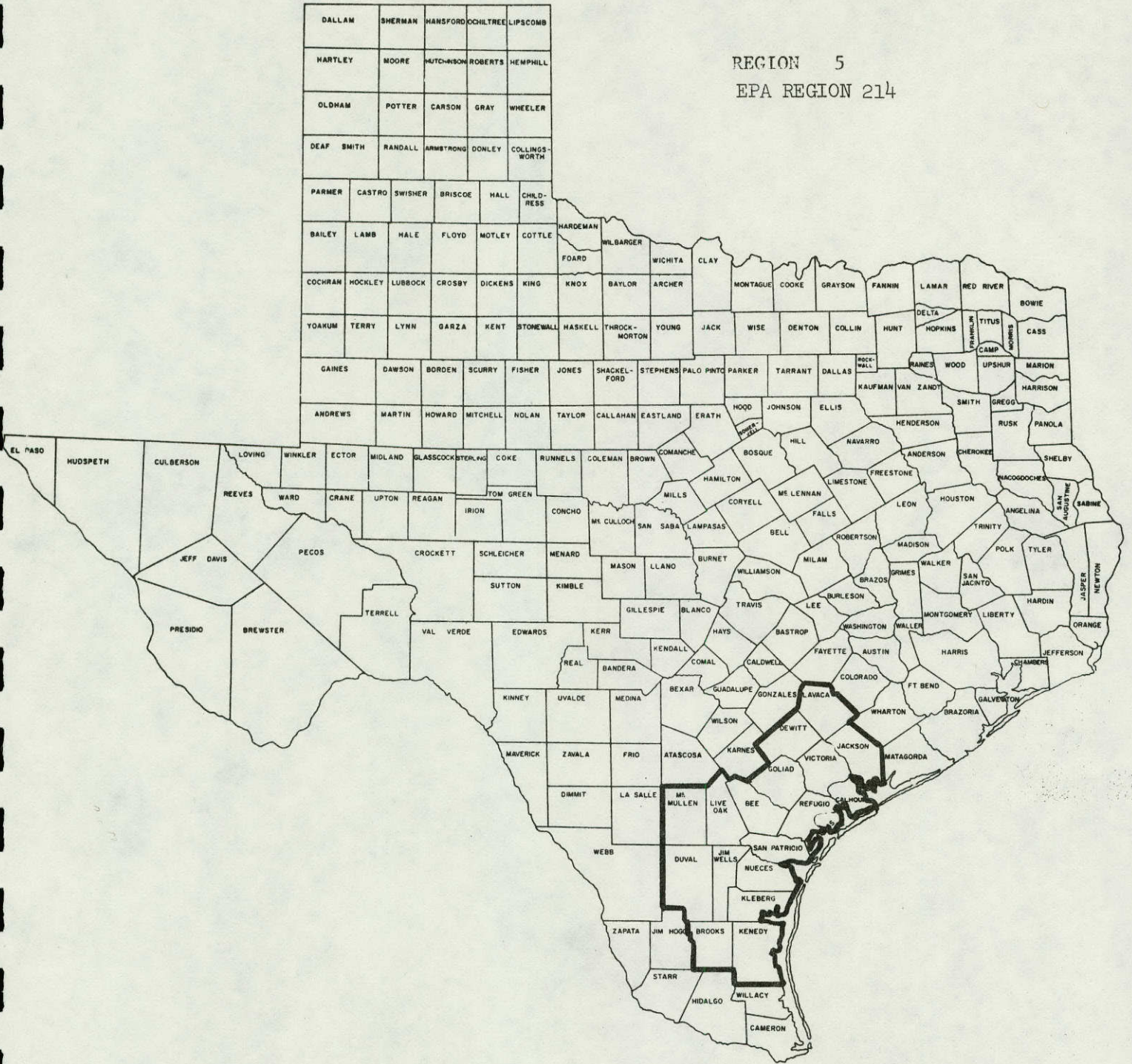
REGION 04

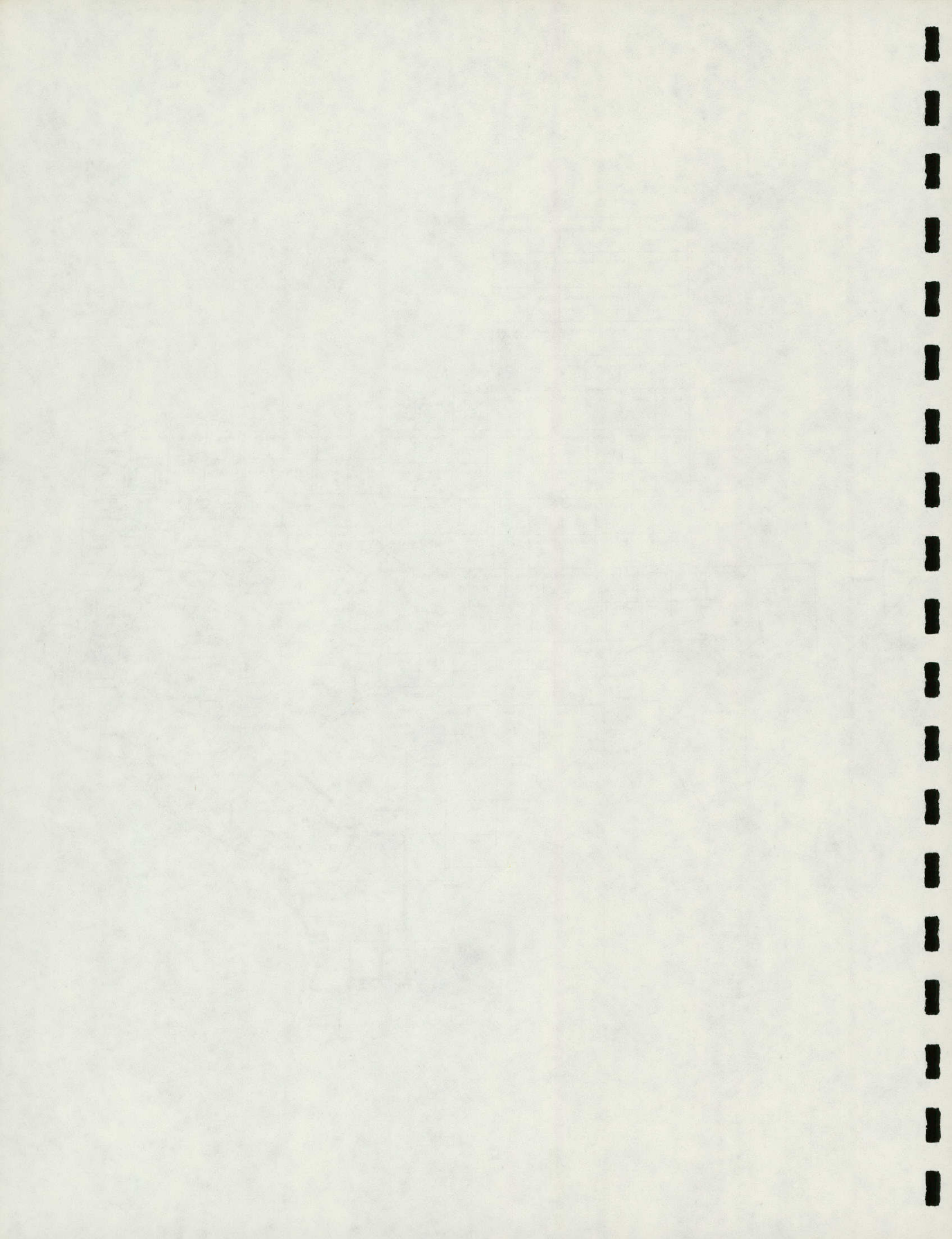
		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEOM MEAN	GEOM STD DEV
BROWNSVILLE (PORT) 450650003F01	TSP	01/05/82	12/31/82	55	267	249	94	43	85	1.5
NAVIGATION DISTRICT OFFICE PORT BRO WNSVILLE COUNTY CAMERON				* 53	249	195	39	35	83	1.5
BROWNSVILLE (ZOO) 450650004F01	TSP	01/05/82	12/31/82	54	217	195	39	34	83	1.5
GLADYS PORTER ZOO AT 6TH AND RINGOL D COUNTY CAMERON				* 50	155	113	32	24	79	1.4
HARLINGEN 452320001F01	TSP	02/04/82	12/31/82	53	152	150	75	26	71	1.4
WATER WORKS, 3RD + JEFFERSON, HARLI NGEN COUNTY CAMERON				* 50	144	129	71	21	68	1.3
HARLINGEN 452320002F01	TSP	01/11/82	12/25/82	45	152	145	70	25	65	1.4
DPS BUILDING COUNTY CAMERON				* 42	152	107	56	21	63	1.4
MCALLEN 453390003F01	TSP	01/11/82	12/31/82	53	165	162	73	25	74	1.4
DEPT. OF PUBLIC SAFETY BUILDING COUNTY HIDALGO				* 50	146	111	74	21	71	1.3

91 * NO DUSTSTORM DATA ARE INCLUDED



REGION 5
EPA REGION 214





TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 05

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
CORPUS CHRISTI (MORGAN) 451150001F01 VECTOR CONTROL BLDG, 3041 MORGAN, M ORGAN AT SABINAS COUNTY NUECES	TSP	01/05/82	12/31/82	50 * 46	188 128	155 119	82 76	28 19	78 74	1.4 1.3
CORPUS CHRISTI (STAPLES) 451150003F01 FIRE STATION NO. 7, 3802 S. STAPLES STAPLES AT DODDRIDGE COUNTY NUECES	TSP	01/05/82	12/31/82	56 * 51	167 157	164 130	78 72	29 24	73 69	1.4 1.4
CORPUS CHRISTI (SITE L) 451150005G03 U.S. WEATHER BUREAU INTERNATIONAL A IRPORT COUNTY NUECES	TSP	01/05/82	12/25/82	55 * 51	189 189	144 107	55 51	30 27	49 46	1.6 1.6
CORPUS CHRISTI 451150012F01 FIRE STATION NO. 5, 3312 LEOPARD, L LEOPARD AT NUECES BAY COUNTY NUECES	TSP	01/05/82	12/31/82	59 * 54	189 157	157 143	87 83	26 21	84 80	1.3 1.3
CORPUS CHRISTI (SITE M) 451150015G01 FIRE STATION NO. 12, 2120 RAND MORG AN RD, .5 MI SOUTH OF STATE 407 COUNTY NUECES	TSP	01/05/82	12/25/82	56 * 53	143 143	119 119	52 50	25 25	47 45	1.6 1.6

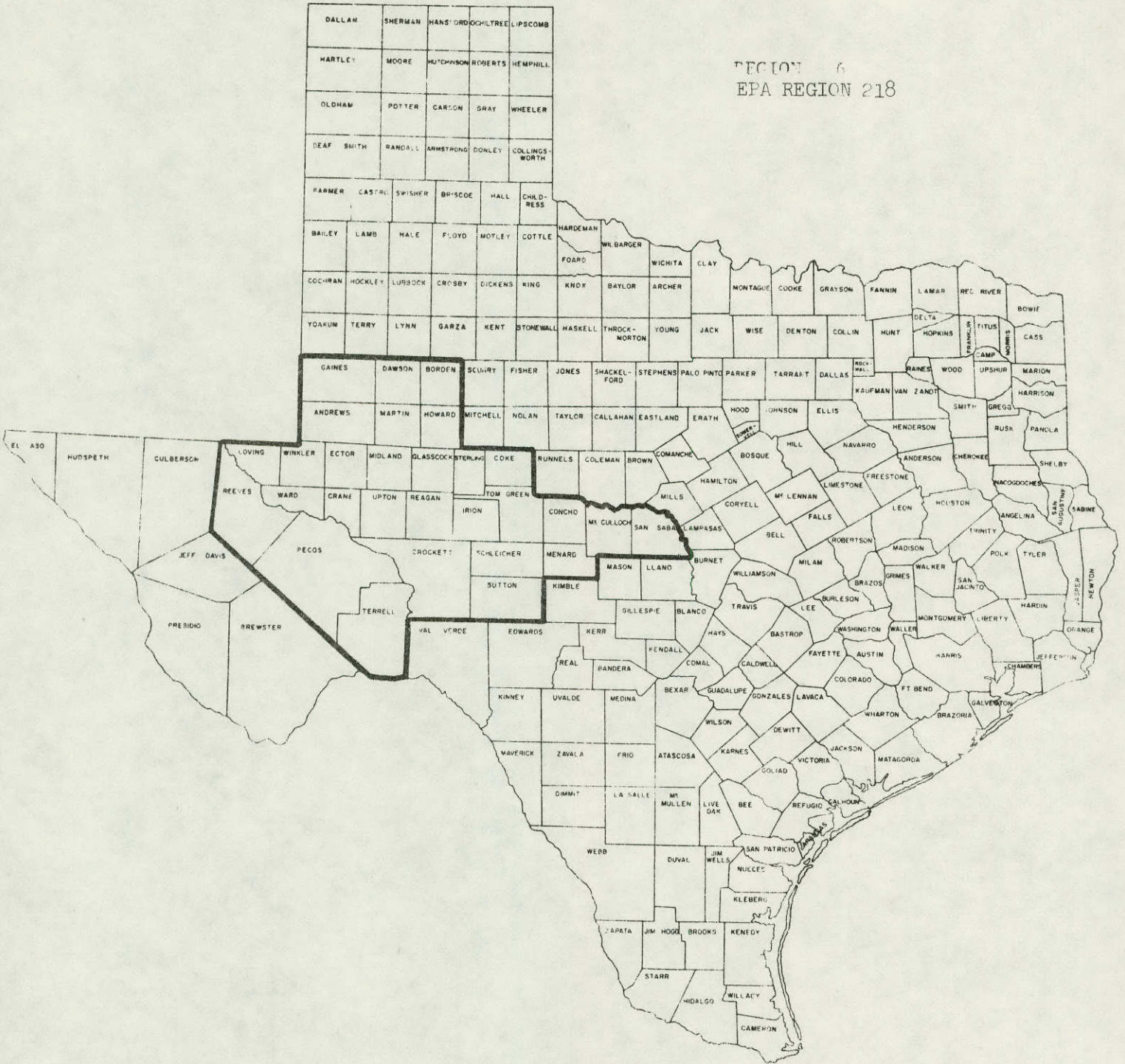
∞ * NO DUSTSTORM DATA ARE INCLUDED

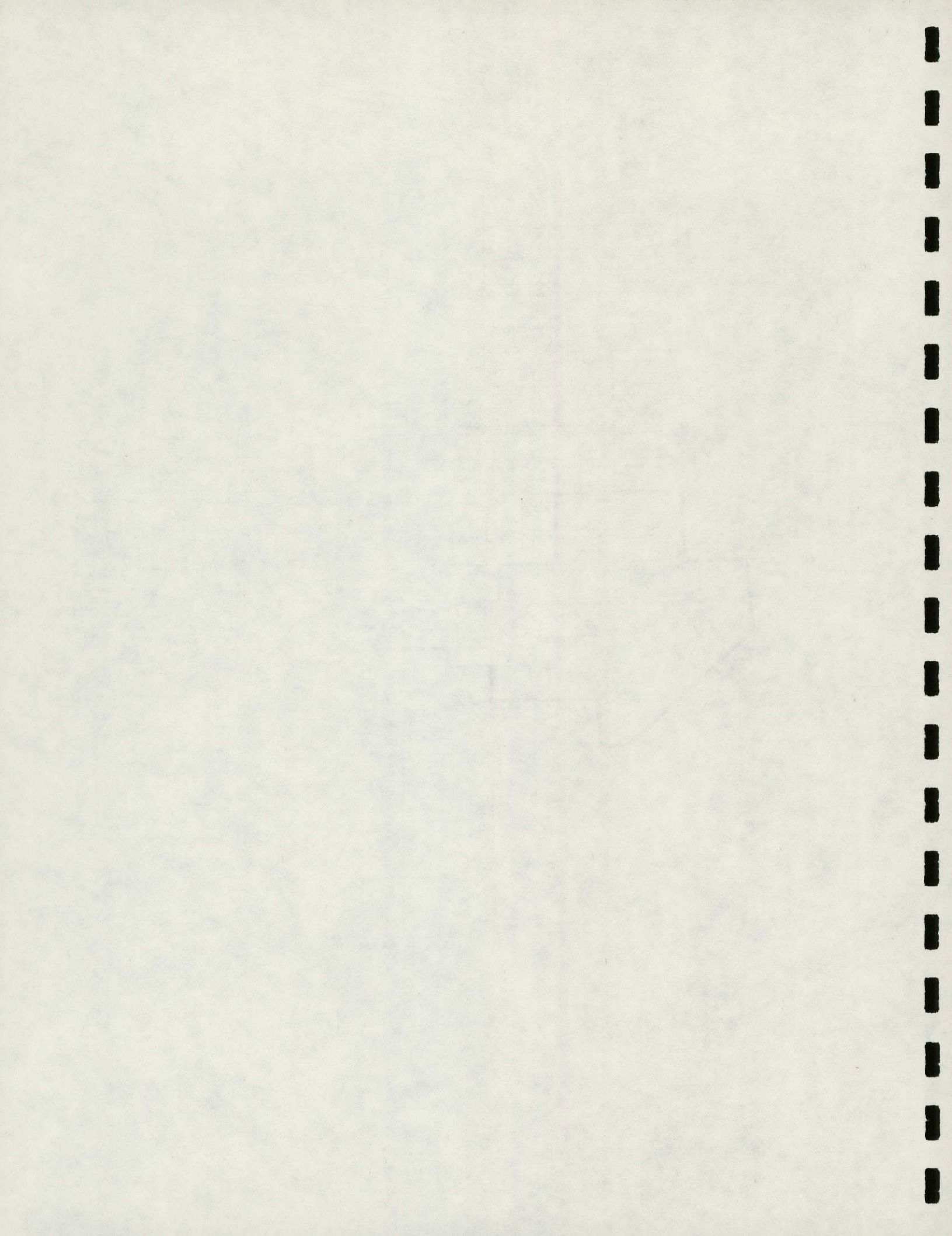
TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 05

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
CORPUS CHRISTI (SITE I)	TSP	01/05/82	12/25/82	59	320	308	158	57	147	1.5
451150020G02				* 54	303	220	148	47	139	1.5
1111 NAVIGATION (BETWEEN HWY 37 + U PPER RIVER RD.) COUNTY NUECES										
CORPUS CHRISTI (NAVIGATION)	TSP	01/05/82	12/25/82	53	201	165	90	36	83	1.5
451150023F01				* 49	163	159	84	29	79	1.4
5100 NAVIGATION BLVD. COUNTY NUECES										
CORPUS CHRISTI (SITE R)	TSP	01/05/82	12/25/82	51	324	231	79	58	65	1.8
451150024G01				* 47	291	163	70	46	60	1.7
ANNAVILLE VOLUNTEER FIRE DEPT-11408 LEOPARD COUNTY NUECES										
CORPUS CHRISTI WEST (CAMS 4)	TSP	01/05/82	12/31/82	50	167	138	59	24	55	1.4
451150025F01				* 53	133	119	64	18	62	1.3
CORPUS CHRISTI STATE SCH. 902 AIRPO RT RD. COUNTY NUECES										
ODEM, SAN PATRICIO (CAMS 21)	TSP	01/05/82	12/25/82	51	160	139	63	23	53	1.5
454650002F01				* 47	139	125	64	24	60	1.5
1306 PARK AVE. HIGHWAY 77, ODEM COUNTY SAN PATRICIO										

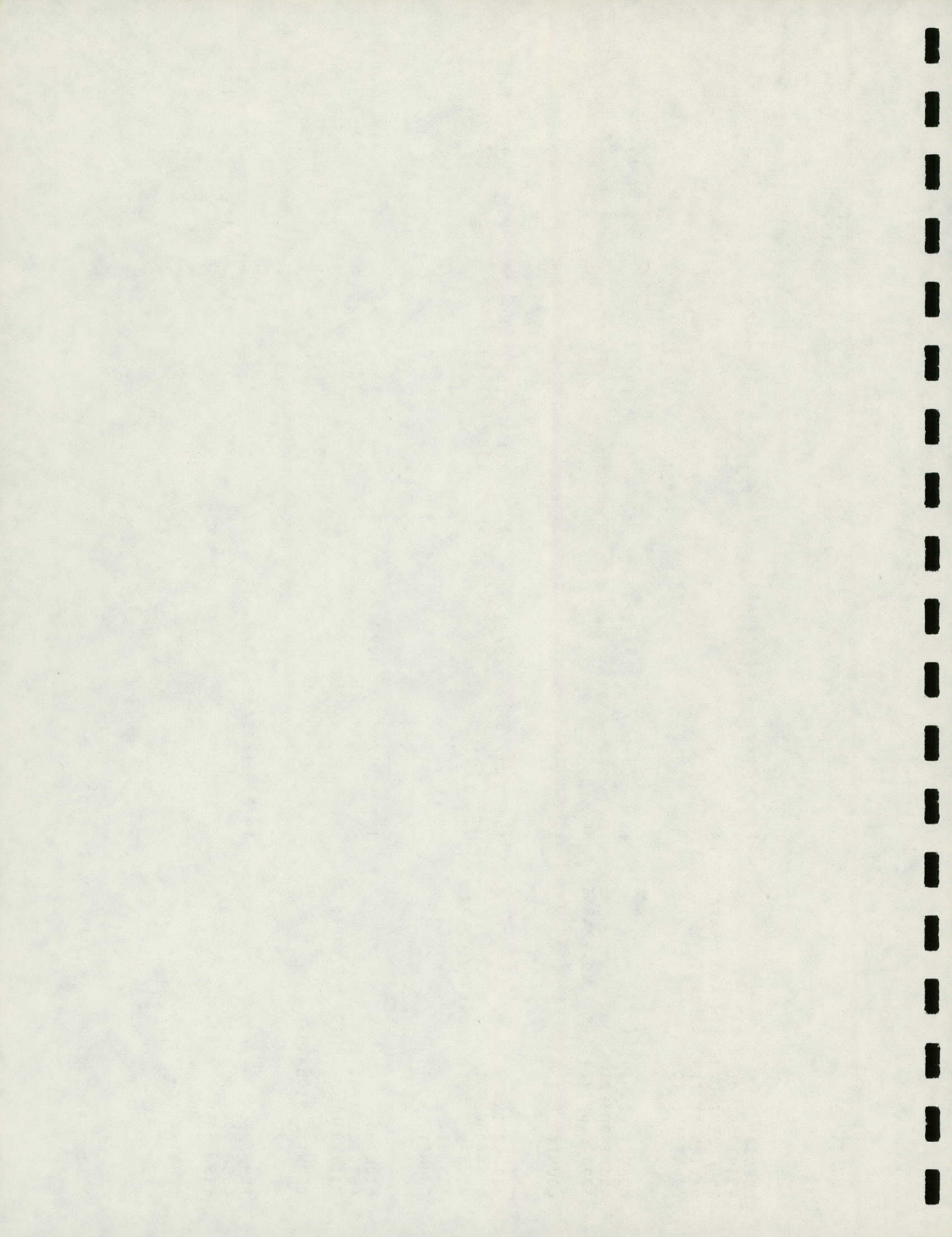
REGION 6
EPA REGION 218

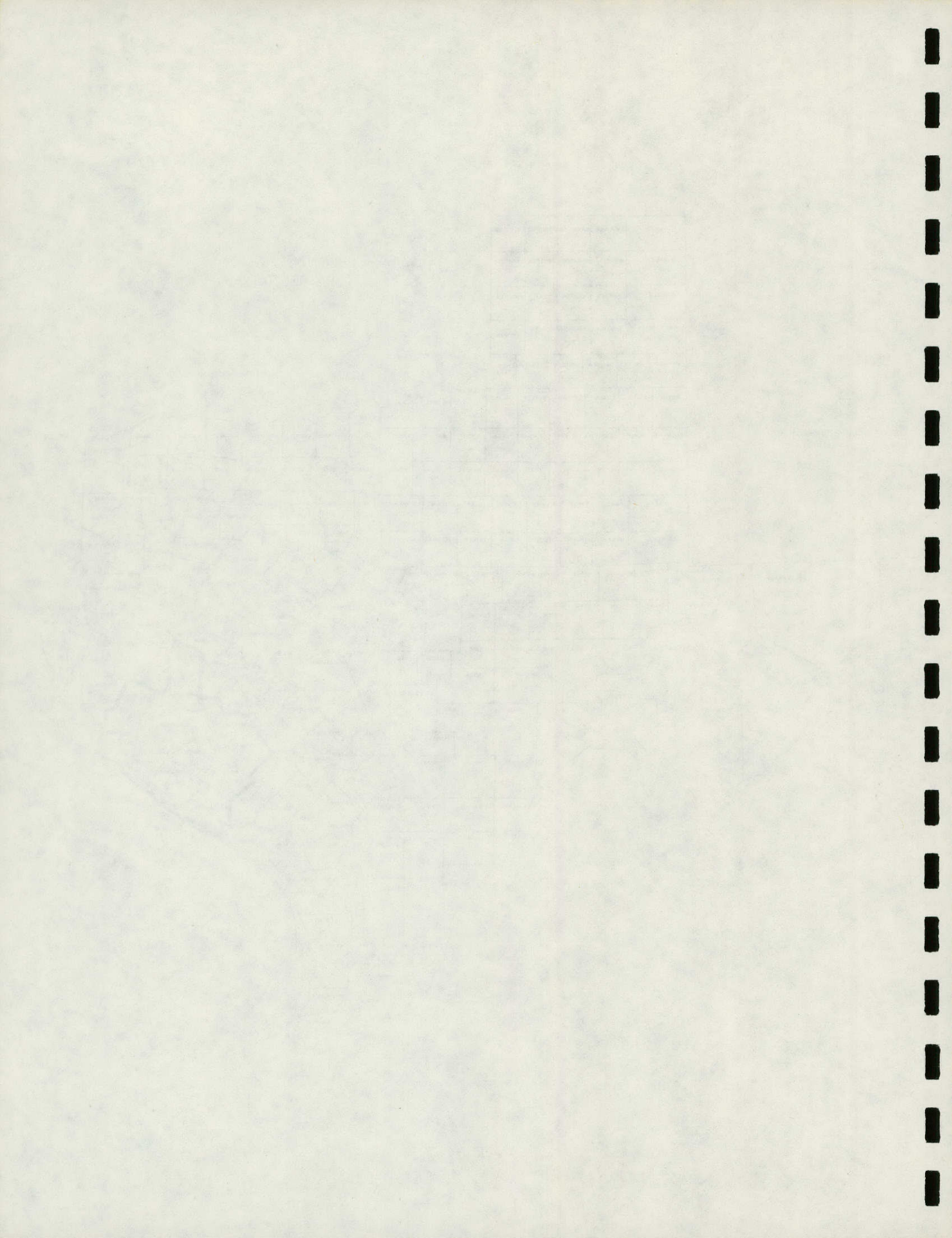




TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 06		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
ODESSA 453910001F01 ROOF MENTAL HEALTH AND MENTAL RETAR DATION AT 7TH AND DIXIE COUNTY ECTOR	TSP	01/05/82	12/19/82	47 * 42	235 231	231 160	99 90	45 37	91 84	1.5 1.5
ODESSA (CAMS 14) 453910002F01 3008 E. UNIVERSITY BLVD. PARKER PARK COUNTY ECTOR	TSP	01/05/82	12/31/82	55 * 49	402 127	193 121	81 67	56 23	71 63	1.6 1.4
BIG SPRING 450440002F01 HOWARD COUNTY COURTHOUSE, 3RD AND M AIN ST. COUNTY HOWARD	TSP	01/05/82	12/31/82	61 * 56	321 162	192 157	86 77	45 29	73 72	1.6 1.4
MIDLAND 453620001F01 CITY HALL ROOF 100 ILLINDIS AVE COUNTY MIDLAND	TSP	04/17/82	12/01/82	39 * 37	259 150	164 120	90 63	39 23	84 80	1.5 1.4
TOM GREEN 455200001F03 FISH HATCHERY NO. 1 COUNTY TOM GREEN	TSP	01/05/82	12/25/82	52 * 44	187 84	114 81	61 53	26 14	57 51	1.5 1.4





TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC MEIER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
CLUTE (CAMS 11) 450950003F01 COBB FIELD, 426 COMMERCE ST.	TSP	01/05/82	12/25/82	56	157	156	81	31	75	1.5
	*			54	154	134	78	27	73	1.4
COUNTY BRAZORIA										
CHAMBERS CO. BEACH CITY 450860001F03 FM 2354 AT BEACH CITY COMMUNITY BUI LDING COUNTY CHAMBERS	TSP	03/06/82	12/31/82	29	97	93	55	19	52	1.4
DICKINSON 451480001G01 NORTH COUNTY BUILDING	TSP	01/05/82	12/31/82	55	124	119	49	22	45	1.5
	*			53	100	92	46	17	43	1.5
COUNTY GALVESTON										
GALVESTON (PELICAN ISLAND) 451980002G01 MOODY COLLEGE, TX. A&M, MAINTENANCE B LDG. COUNTY GALVESTON	TSP	01/11/82	12/25/82	51	111	100	43	20	44	1.5
	*			49	94	82	45	16	43	1.5
GALVESTON 451980003G01 ARMY RESERVE TRAINING BLDG., S & 53 RD STREETS COUNTY GALVESTON	TSP	01/17/82	03/30/82	7	71	63	54	13	53	1.3

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
GALVESTON (GALV. CO.47) 451980047G01 56TH ST. AT 0&1/2 AVE.	TSP	04/05/82	12/31/82	29	122	81	49	22	45	1.5
				* 28	31	79	46	17	43	1.4
COUNTY GALVESTON										
LA MARQUE 453070001G01 CARBIDE PARK	TSP	01/05/82	12/31/82	55	123	121	46	20	43	1.4
				* 53	78	74	43	13	41	1.4
COUNTY GALVESTON										
LA MARQUE 453070035G01 3RD ST & SHADY LANE	TSP	01/05/82	12/31/82	46	143	128	61	28	56	1.5
				* 43	148	113	58	24	54	1.5
COUNTY GALVESTON										
LEAGUE CITY 453170001F01 ROOF CLEAR CREEK HIGH SCHOOL, LEAGUE CITY 2305 E MAIN COUNTY GALVESTON	TSP	01/29/82	12/31/82	43	137	105	56	21	63	1.3
				* 42	105	93	64	17	62	1.3
COUNTY GALVESTON										
TEXAS CITY (CAMS 10) 455170002F01 2701 13TH. AVE. NORTH AT LOGAN COUNTY GALVESTON	TSP	04/11/82	12/31/82	40	121	88	54	20	51	1.5
				* 39	121	88	53	20	50	1.5

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
TEXAS CITY 455170002G01 2701 13TH AVE., NORTH AT LOGAN (CAMS 10) COUNTY GALVESTON	TSP	04/17/82	12/31/82	39 * 37	37 37	30 75	50 49	16 15	48 47	1.4 1.4
TEXAS CITY (COUNTY 4) 455170004G01 FIRE STATION, TEXAS AVE. & 25TH. ST (LOGAN) COUNTY GALVESTON	TSP	01/05/82	12/19/82	53 * 49	156 156	137 123	70 65	31 28	64 61	1.5 1.5
TEXAS CITY (LOOP 197) 455170013G01 LOOP 197 & STATE HWY 146 COUNTY GALVESTON	TSP	01/05/82	12/25/82	51 * 49	142 101	122 88	56 53	25 19	51 49	1.5 1.5
TEXAS CITY 455170031G01 AIR CONTROL LAB, 1ST AVE SO. & 4TH ST. COUNTY GALVESTON	TSP	01/05/82	12/31/82	57 * 55	167 130	143 124	66 62	27 22	61 59	1.5 1.4
TEXAS CITY (HOSPITAL) 455170051F01 COUNTY HOSPITAL-HWY 3 & HWY 1764 COUNTY GALVESTON	TSP	01/29/82	12/31/82	47 * 45	106 83	33 33	60 58	16 14	58 56	1.3 1.3

UN * NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
TEXAS CITY	TSP	01/05/82	12/31/82	53	123	93	67	21	63	1.4
455170053F01	*			52	123	93	65	20	63	1.4
17TH AND 5TH AVE, NESSLER SWIMMING POOL COUNTY GALVESTON										
BAYTOWN (ROSELAND)	TSP	01/11/82	12/31/82	52	105	95	51	18	47	1.5
450320001F01	*			50	94	73	49	15	46	1.5
ROSELAND PARK, ROSELAND DRIVE COUNTY HARRIS										
BAYTOWN (PARK)	TSP	01/17/82	12/31/82	51	134	128	71	21	68	1.3
450320002F01	*			50	134	109	69	20	67	1.3
WATER TOWER, 1200 PARK ST COUNTY HARRIS										
DEER PARK (DP 1)	TSP	01/05/82	12/31/82	52	141	131	66	23	61	1.5
451370001H01	*			50	141	127	64	26	59	1.5
1301 CENTER PARK AT 13TH. ST. COUNTY HARRIS										
DEER PARK (DP 22)	TSP	01/05/82	12/31/82	48	167	154	74	36	66	1.6
451370002H02	*			46	150	139	70	32	63	1.6
SHELL OIL, DEER PARK COUNTY HARRIS										

⊗ * NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
DEER PARK (CAMS 18) 451370003F01 1102 W.PASADENA	TSP	01/05/82	12/31/82	58 * 57	123 100	100 93	58 57	20 13	55 54	1.4 1.4
COUNTY HARRIS										
CYPRESS 452330004F01 22602 HEMPSTEAD HWY., ROOF CY-FAIR HIGH SCHOOL	TSP	01/05/82	12/31/82	53 * 51	123 112	112 100	62 60	20 19	58 57	1.4 1.4
COUNTY HARRIS										
HOUSTON (SITE 20) 452330020H02 JACINTOPORT, BETHLEHEM STEEL, SHEL DN ROAD	TSP	01/05/82	12/31/82	51 * 50	146 127	127 121	67 66	30 28	60 59	1.7 1.7
COUNTY HARRIS										
HOUSTON (SITE 23) 452330023H02 HL&P BERTRON STA., MILLER CUT-OFF R OAD	TSP	01/05/82	12/31/82	49 * 48	143 143	141 141	61 60	33 33	53 52	1.7 1.7
COUNTY HARRIS										
HARRIS CO. ALDINE (CAMS 3) 452330024F01 4600 ALDINE MAIL RD, HAMBRICK JR HI GH-ALDINE (NORTH OF HOUSTON)	TSP	01/05/82	12/31/82	60 * 53	154 154	139 139	77 75	28 26	72 71	1.4 1.4
COUNTY HARRIS										

12 * NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
HOUSTON (SITE 18) 452330025H02 BULK MATERIALS HANDLING PLANT, PENN CITY RD. COUNTY HARRIS	TSP	01/05/82	12/31/82	51	1111	424	129	152	91	2.2
CHANNELVIEW (CAMS 15) 452330026F01 1401-A SHELDON ROAD COUNTY HARRIS	TSP	01/23/82	12/31/82	56 * 54	137 115	116 109	72 70	23 21	66 67	1.4 1.4
HOUSTON (SITE 01) 452560001H01 SAM HOUSTON COLISEUM, 810 BAGBY STR EET AT WALKER COUNTY HARRIS	TSP	01/05/82	12/31/82	54 * 52	152 149	152 146	81 78	31 23	76 74	1.5 1.4
HOUSTON (SITE S-6) 452560006H01 3801 CULLEN AT ELGIN, UNIVERSITY OF HOUSTON COUNTY HARRIS	TSP	01/05/82	12/31/82	51 * 49	156 132	134 115	65 63	29 24	60 53	1.6 1.5
HOUSTON (SITE S-7) 452560007H01 1115 N. MACGREGOR, CITY HEALTH DEPT COUNTY HARRIS	TSP	01/05/82	12/31/82	52 * 50	127 115	115 100	57 54	23 19	52 51	1.5 1.4

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
HOUSTON (SITE S-9) 452560009H01 6902 BELLAIRE AT BENTLIFF	TSP	01/05/82	12/31/82	45	103	103	61	21	57	1.5
COUNTY HARRIS										
HOUSTON (SITE S-10) 452560010H01 3735 W. ALABAMA AT CUMMINGS	TSP	01/05/82	12/31/82	55 * 53	130 110	129 96	55 53	24 20	50 49	1.6 1.5
COUNTY HARRIS										
HOUSTON (SITE S-17) 452560017H02 WATER STATION, 12550 CLINTON AT FEDERAL	TSP	01/05/82	12/31/82	56 * 54	152 152	144 144	77 75	34 33	70 63	1.6 1.6
COUNTY HARRIS										
HOUSTON (SITE S-19) 452560019H01 PORT HOUSTON, TERMINAL OFFICE	TSP	01/05/82	12/25/82	51 * 49	252 252	201 201	104 101	47 45	95 92	1.6 1.5
COUNTY HARRIS										
HOUSTON (SITE S-21) 452560028H02 PHILLIPS PETROLEUM, ADAMS TERMINAL ON TEXAS 225	TSP	01/05/82	12/31/82	51 * 49	140 115	129 114	59 56	23 24	54 52	1.5 1.5
COUNTY HARRIS										

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
HOUSTON EAST (CAMS 1) 452560034F01 1224 MAE DRIVE (ROLAND P. HARRIS EL EM. SCHOOL) COUNTY HARRIS	TSP	01/23/82	12/31/82	44 * 43	155 155	138 138	85 34	32 31	78 77	1.5 1.5
HOUSTON (SITE T5) 452560035H01 9525 CLINTON DR AT CLINTON PARK COUNTY HARRIS	TSP	01/05/82	12/31/82	47 * 45	401 401	343 343	156 154	87 87	133 131	1.8 1.8
HOUSTON (SITE T19 CRAWFORD) 452560037H02 1307 CRAWFORD AT POLK COUNTY HARRIS	TSP	01/05/82	12/31/82	45 * 43	211 139	152 135	78 73	34 26	72 69	1.5 1.4
HOUSTON (SITE T-22) 452560038H01 8314 PARKHURST COUNTY HARRIS	TSP	01/05/82	11/25/82	37 * 35	108 90	97 86	60 57	19 17	56 55	1.4 1.4
HOUSTON (SITE T-25) 452560039H01 7834 FUQUA COUNTY HARRIS	TSP	01/05/82	12/31/82	49 * 47	134 103	123 96	57 54	25 21	52 50	1.6 1.5

8 * NO DUSTSTORM DATA ARE INCLUDED

**Page missing in
Original**

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 07

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	GEO STD DEV
HOUSTON (SITE S-11)	TSP	01/05/82	12/31/82	52	138	114	60	23	56	1.5
452560045H01				* 49	93	90	56	18	53	1.4
4420 BINGLE										

COUNTY HARRIS

HOUSTON (SITE S-13)	TSP	01/05/82	12/31/82	53	233	177	78	44	69	1.6
452560046H01				* 52	233	177	78	44	69	1.6
7330 N WAYSIDE										

COUNTY HARRIS

HOUSTON (SITE S-12)	TSP	01/05/82	12/31/82	55	191	187	74	32	68	1.5
452560048H01				* 53	191	187	72	31	66	1.5
10413 FULTON AT SUNNYSIDE										

COUNTY HARRIS

HOUSTON (SITE T-13 CROQUET)	TSP	01/05/82	10/20/82	33	121	94	51	18	48	1.3
452560051H01				* 31	77	59	47	10	46	1.2
13826 CROQUET NEAR DARLINGHURST INT ERSECTION										
COUNTY HARRIS										

HOUSTON (SITE S-14 NEW KRESS)	TSP	01/05/82	12/31/82	56	147	144	89	29	84	1.5
452560054H01				* 54	147	135	87	28	82	1.4
702 KRESS										

COUNTY HARRIS

35 * NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

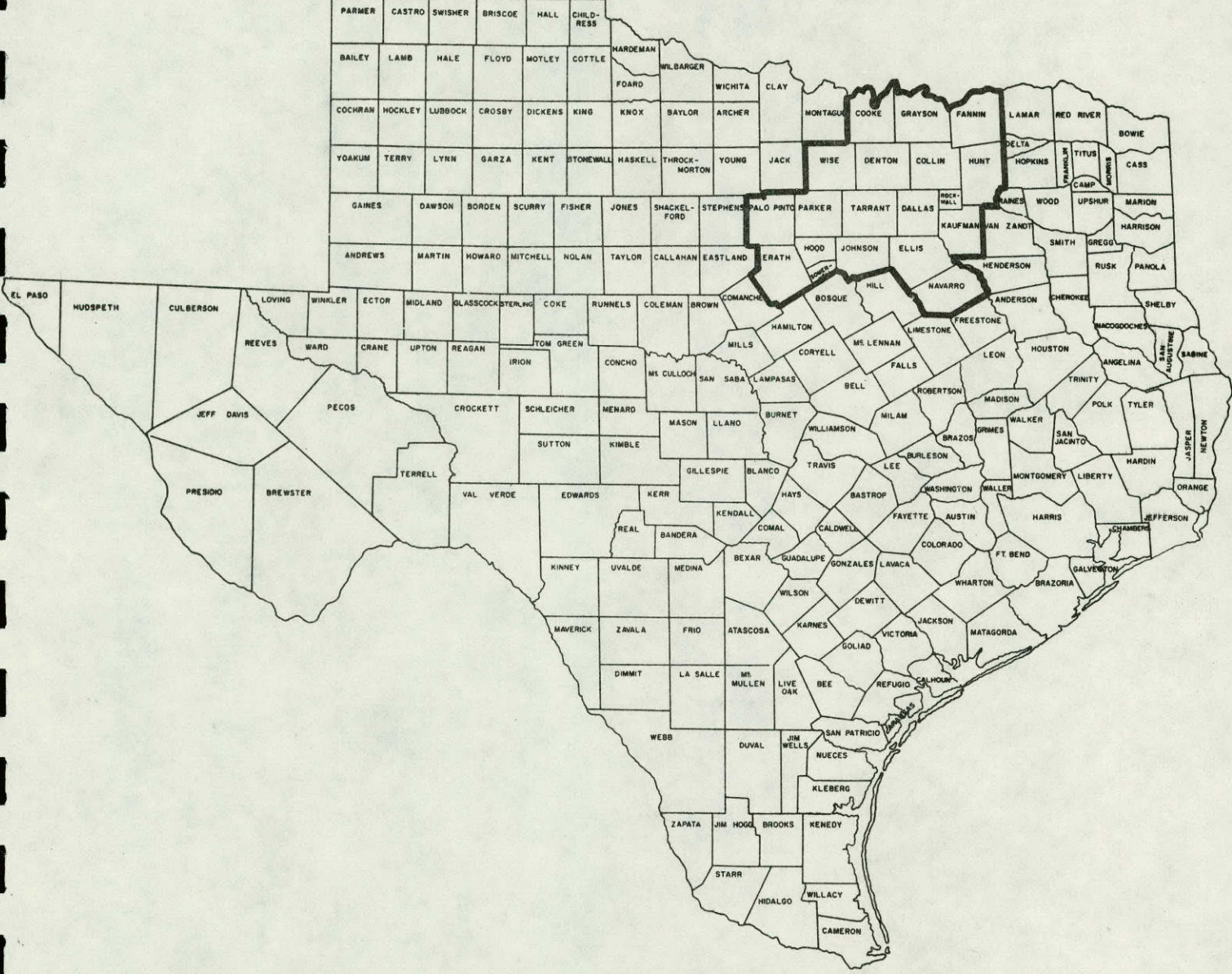
REGION 07

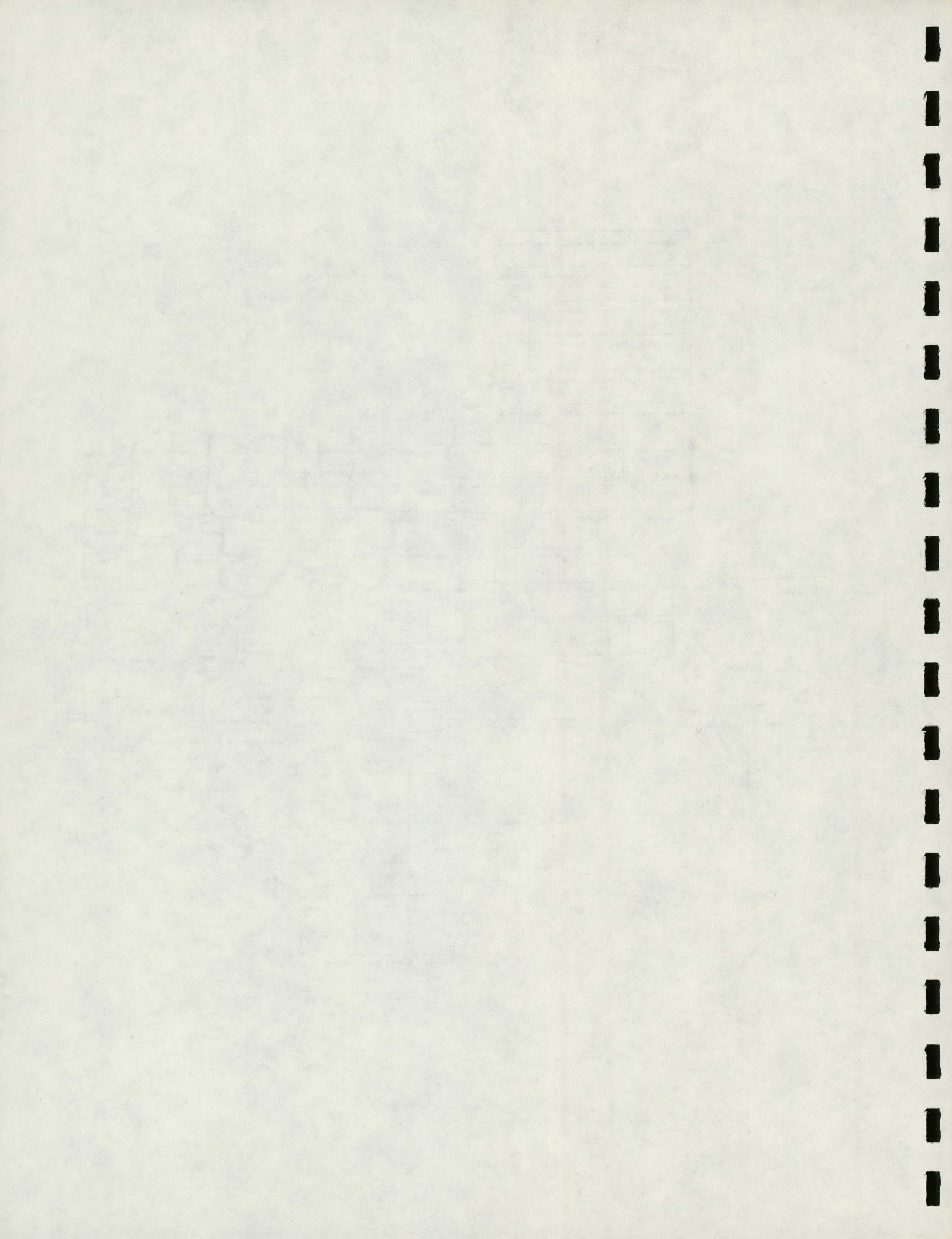
		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	SEC STD DEV
HOUSTON 452560056H01 GREGG & NEW ORLEANS	TSP	02/04/82	12/31/82	50 * 49	147 131	131 128	79 77	28 26	73 72	1.5 1.5
COUNTY HARRIS										
HOUSTON, MANCHESTER (CAMS 22) 452560059F01 7935 1/2 ADRIEN	TSP	03/05/82	12/31/82	35 * 35	152 141	141 138	75 73	30 28	70 69	1.4 1.4
COUNTY HARRIS										
PASADENA (HEALTH DEPT.) 454060002F01 208 W SHAW AT WALTER	TSP	01/05/82	12/31/82	49 * 48	175 175	156 133	77 76	23 26	73 72	1.4 1.4
COUNTY HARRIS										
PASADENA (P-2) 454060002H01 208 W. SHAW AT WALTER, HASE TRAILER	TSP	01/05/82	12/31/82	49 * 47	199 126	163 115	71 66	32 23	65 62	1.5 1.5
COUNTY HARRIS										
SEABROOK (CAMS 20) 454715001F01 2401 E. MEYER RD., SEABROOK INTERMEDIATE SCHOOL	TSP	01/05/82	12/31/82	51 * 43	122 102	110 85	52 49	22 17	49 46	1.5 1.4
COUNTY HARRIS										

⊗ * NO DUSTSTORM DATA ARE INCLUDED

REGION 8
EPA REGION 215

DALLAM	SHERMAN	HANSFORD	DOHLTREE	LIPSCOMB
HARTLEY	MOORE	HUTCHINSON	ROBERTS	HEMPHILL
OLDHAM	POTTER	CARSON	GRAY	WHEELER
DEAF SMITH	RANDALL	ARMSTRONG	DONLEY	COLLINGSWORTH





TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 03

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
FRISCO (COLLIN CO.)	TSP	01/05/82	12/31/82	55	133	99	56	21	52	1.5
451020001F01				* 54	99	97	54	13	51	1.4
711 HICKORY ST. (ROOF: ACKER ELEM. SCH .) COUNTY COLLIN										
CORSICANA (BIG BROWN)	TSP	01/17/82	12/31/82	49	119	101	66	17	64	1.3
451160001F01				* 48	119	101	66	17	64	1.3
CITY LIBRARY, 100 NO. 12TH ST. (ON ROOF) COUNTY DALLAS										
DALLAS (CITY 18)	TSP	01/05/82	12/31/82	53	233	142	67	32	62	1.5
451310018H02				* 57	142	134	64	23	61	1.4
3049 MORRELL COUNTY DALLAS										
DALLAS (CITY 20)	TSP	01/05/82	12/31/82	56	97	92	60	16	53	1.3
451310020H01										
4607 S. LANCASTER, FIRE STATION BET WEEN MENTOR AND ATLAS COUNTY DALLAS										
DALLAS (CITY 29)	TSP	01/05/82	12/31/82	49	133	107	70	21	67	1.3
451310029H01										
8401 DOUGLAS AVE., FIRE STATION AT NORTHWEST HWY COUNTY DALLAS										

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 08

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
DALLAS (CITY 38) 451310038H01 1407 JOHN WEST RD., FIRE STATION AT GREENMEADOW COUNTY DALLAS	TSP	01/05/82	12/31/82	52	103	99	51	18	48	1.4
DALLAS (MOCKINGBIRD) 451310044H01 1500 WEST MOCKINGBIRD COUNTY DALLAS	TSP	01/05/82	12/31/82	58 * 57	122 122	104 100	63 62	20 19	60 60	1.4 1.4
DALLAS (CAMS 5) 451310045F01 12532 NUESTRA, EWELL WALKER MIDDLE S CHOOL COUNTY DALLAS	TSP	01/05/82	12/31/82	58 * 57	175 106	106 94	54 52	25 20	49 48	1.5 1.5
DALLAS (CITY 46) 451310046H01 2922 MARTIN LUTHER KING JR. BLVD. COUNTY DALLAS	TSP	01/05/82	12/31/82	54 * 53	130 91	91 88	52 50	21 17	48 47	1.4 1.4
DALLAS (FISH TRAP) 451310049H01 3345 FISH TRAP ROAD, ROOF-DALLAS HO USING AUTHORITY, ELMER SCOTT PLACE COUNTY DALLAS	TSP	01/05/82	12/31/82	50	112	98	63	17	61	1.3

36

* NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 08		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
DALLAS	TSP	01/05/82	12/31/82	40	122	116	72	20	69	1.3
451310050H01 717 SO. AKARD, DALLAS CONVENTION CE NTER (ROOF OF THEATER) COUNTY DALLAS										
DALLAS (ILLINOIS)	TSP	01/05/82	12/31/82	54	93	39	47	17	44	1.4
451310052H01 4230 WEST ILLINOIS AT COCKRELL HILL DR. COUNTY DALLAS										
DALLAS (WASTE WATER)	TSP	01/05/82	12/31/82	53	98	92	55	19	52	1.4
451310056H01 1020 SARGENT RD., WASTE-WATER TREAT MENT PLANT COUNTY DALLAS										
DALLAS (BOYS CLUB, PB SS)	TSP	04/05/82	12/31/82	44	214	134	64	35	56	1.6
451310057F01 DALLAS BOYS CLUB, 3004 NO. WESTMORELA ND, RDOF COUNTY DALLAS										
DALLAS (B.T. JOHNSON, PB SS)	TSP	04/05/82	12/31/82	45	110	98	57	21	53	1.5
451310058F01 B.T. JOHNSON, 3315 TORONTO ST. COUNTY DALLAS										

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 08		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
DALLAS (LONE STAR, PB SS) 451310059F01 LONE STAR BUSINESS PK.(LOT),E.OF 31 11 COMMENCE DR. COUNTY DALLAS	TSP	04/05/82	12/31/82	45 * 44	147 135	135 123	51 49	29 26	45 44	1.7 1.6
DALLAS (PONTIAC ST,PB SS) 451310060F01 PONTIAC ST. & SARGENT RD. COUNTY DALLAS	TSP	04/11/82	12/31/82	41	89	85	51	17	48	1.4
DALLAS (CITY PB SITE) 451310061H01 3434 BICKERS,EARHART ELEM.SCH. COUNTY DALLAS	TSP	01/17/82	12/31/82	51	110	101	63	20	60	1.4
GARLAND 452000002F01 SCHOOL ADMINISTRATION BLDG - STADIU M DR AT NORTH GLENBROOK COUNTY DALLAS	TSP	01/05/82	12/31/82	35 * 35	131 131	94 94	63 62	21 21	50 59	1.4 1.4
GARLAND(PB SS) 452000003F01 SOUTHWEST PROPERTY LINE OF GLOBE UN ION BATTERY CORP.ON SHILOH COUNTY DALLAS	TSP	07/04/82	12/31/82	30	97	90	53	23	48	1.6

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 08

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
GARLAND(PB SS) 452000004F01	TSP	07/04/82	12/31/82	29 * 23	130 130	170 153	76 73	44 41	56 63	1.3 1.7
NORTHWEST OF PROPERTY LINE OF GLOBE UNION BATTERY CORP.ON SHILOH COUNTY DALLAS										
GARLAND(PB SS) 452000005F01	TSP	07/04/82	12/31/82	30	92	89	55	21	51	1.6
NORTHEAST OF PROPERTY LINE OF GLOBE UNION BATTERY CORP.ON SHILOH COUNTY DALLAS										
GRAND PRAIRIE 452130002F01	TSP	01/05/82	12/31/82	54 * 53	177 94	94 89	65 63	21 14	63 62	1.3 1.2
321 W. MAIN ST., CENTRAL FIRE STATION, AT NW 4TH. ST. COUNTY DALLAS										
IRVING 452670001F01	TSP	01/05/82	12/25/82	46 * 44	103 103	101 86	55 54	19 18	52 50	1.5 1.5
3900 NORTHGATE DR - THOMAS HALEY ELEMENTARY SCHOOL COUNTY DALLAS										
IRVING (SPECIAL) 452670002F01	TSP	01/05/82	12/31/82	54 * 53	100 100	91 91	60 60	16 16	58 58	1.3 1.3
STEPHEN F. AUSTIN JR HIGH, 825 E. UNION BOWER AT NURSERY COUNTY DALLAS										

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 08

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
DENTON	TSP	01/05/82	12/31/82	33	150	103	64	22	61	1.4
451410001F01				* 32	103	85	62	17	60	1.3
215 E MCKINNEY AVE, ROOF NEW CITY H ALL BLDG. COUNTY DENTON										
MIDLOTHIAN (ELLIS COUNTY)	TSP	01/05/82	12/31/82	61	194	170	86	31	81	1.4
451690001F01				* 59	194	170	85	31	80	1.4
235 NO. 8TH ST. (ROOF: CITY HALL/FS) COUNTY ELLIS										
DENISON	TSP	01/05/82	12/25/82	34	208	132	70	37	62	1.6
451400001F01										
GRAYSON CO HEALTH DEPT., WEST GANDY AT HOUSTON COUNTY GRAYSON										
CLEBURNE (STATE PARK)	TSP	01/05/82	12/25/82	56	193	162	67	33	60	1.6
452790001F01				* 53	193	131	63	28	58	1.5
CLEBURNE STATE PARK, ROOF RONSEN BL DG. COUNTY JOHNSON										
ARLINGTON	TSP	01/05/82	12/31/82	60	178	136	73	28	67	1.5
450170004F03				* 59	136	114	71	25	66	1.5
FIRE STATION NO. 5 ROOF 2921 E RAND OL MILL RD COUNTY TARRANT										

OH * NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 08

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
FORT WORTH (CAMS 13)	TSP	01/05/82	12/31/82	55	131	103	58	22	54	1.5
451880002F01				* 54	131	103	58	22	54	1.5
3317 ROSS AVE.; MEACHAM FIELD (LONG A V. & 34TH ST.) COUNTY TARRANT										
FORT WORTH (CAMS 16)	TSP	01/05/82	12/31/82	59	169	159	84	32	73	1.5
451880003F01				* 58	159	145	82	30	76	1.5
100 N PECAN BETWEEN BELKNAP AND WEA THERFORD COUNTY TARRANT										
FORT WORTH (WORTH HGTS SCH.)	TSP	07/10/82	12/31/82	29	109	107	60	22	56	1.5
451880023F01										
519 E. BUTLER, FT. WORTH HGTS ELEM. S CH., NEAR I35 COUNTY TARRANT										
FT. WORTH (CITY 4)	TSP	01/05/82	12/31/82	52	205	143	64	29	60	1.5
451880024H02				* 51	143	103	62	21	58	1.4
3100 AZLE AVENUE AT ROBINSON, FIRE STATION COUNTY TARRANT										
FT. WORTH (CITY 17)	TSP	01/17/82	12/19/82	56	216	107	62	28	58	1.5
451880025H01				* 55	107	91	60	18	56	1.4
3300 CHERRY LANE AT ELIZABETH COUNTY TARRANT										

TH * NO DUST STORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 08

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
FT. WORTH (TEXAS WESLEYAN)	TSP	01/05/82	12/31/82	54	233	109	60	31	55	1.5
451880026H01				* 52	109	103	56	19	52	1.5
3200 E ROSEDALE (ADDRESS OF TEXAS WESLEYAN COLL)-NEAR WESLEYAN & AVE B COUNTY TARRANT										
FT. WORTH (SITE 18E)	TSP	01/05/82	12/31/82	56	179	133	52	24	49	1.4
451880060H01				* 55	133	97	50	17	48	1.4
5933 GEDDES COUNTY TARRANT										
FORT WORTH (SITE 5E)	TSP	01/05/82	12/31/82	58	207	124	67	28	63	1.4
451880061H01				* 57	124	109	65	20	61	1.4
2911 SCHWARTZ ROOF AT 29TH. COUNTY TARRANT										
FORT WORTH (SITE 16E)	TSP	01/05/82	12/25/82	55	229	148	72	34	66	1.5
451880068H01				* 54	148	146	69	26	64	1.5
1800 UNIVERSITY DRIVE, ROOF, AT HARLEY COUNTY TARRANT										
FORT WORTH (SITE 14E)	TSP	01/05/82	12/25/82	56	203	102	64	27	60	1.4
451880070H01				* 55	102	97	62	13	59	1.4
212 EAST FELIX AT VERMONT COUNTY TARRANT										

75

* NO DUSTSTORM DATA ARE INCLUDED

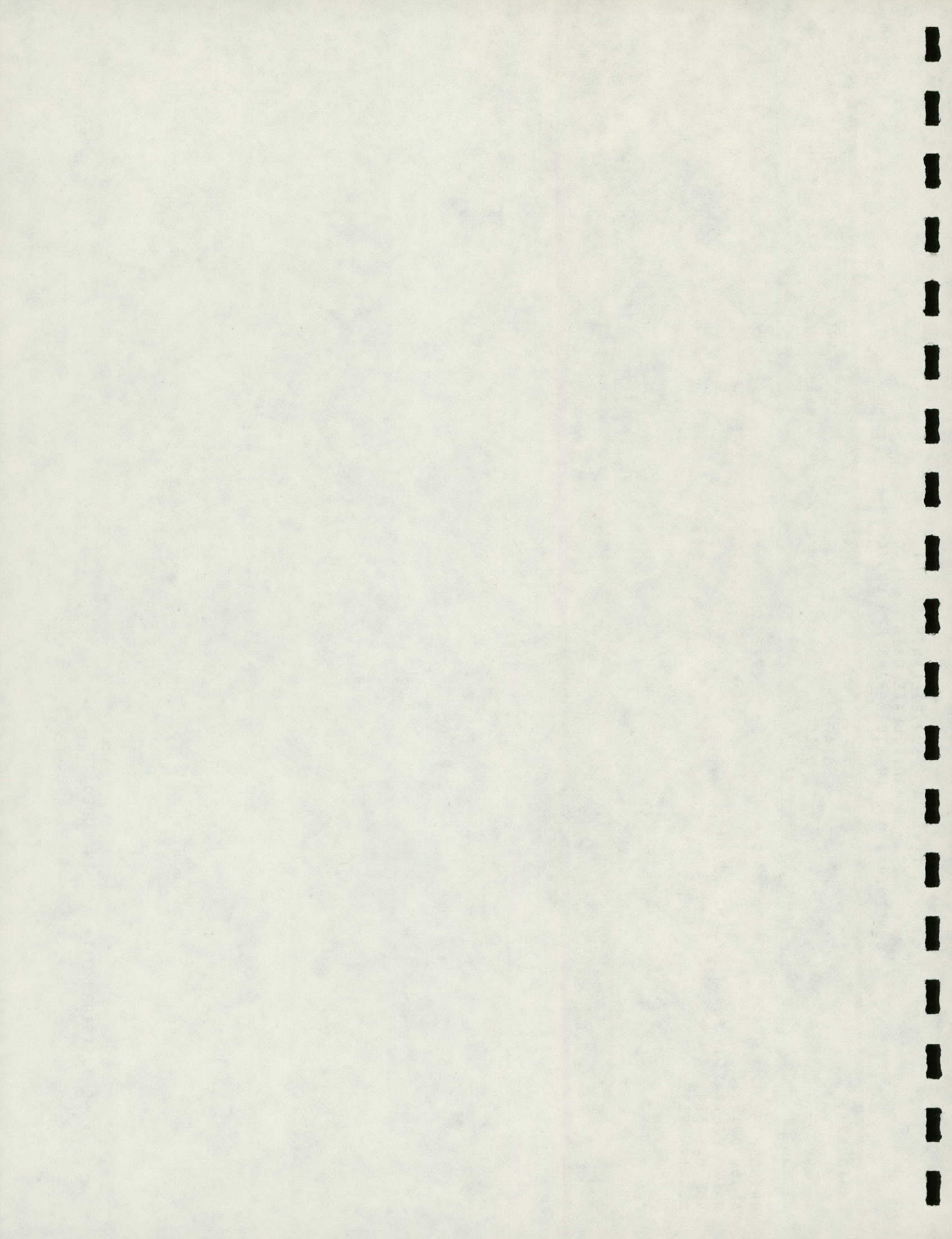
TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 08

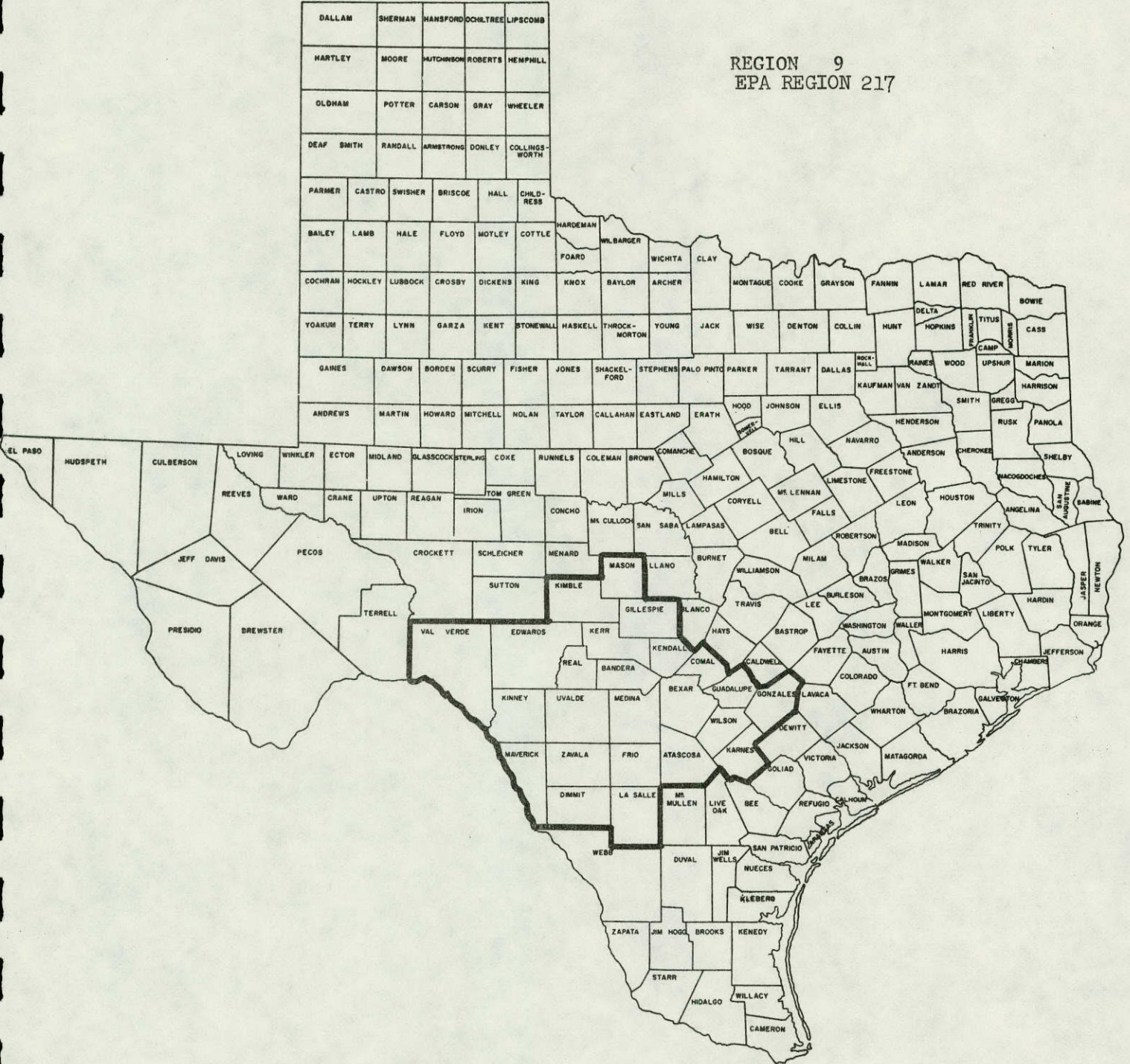
		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
BRIDGEPORT 450600001F01 WATER FILTRATION PLANT .75 MI SOUTH OF HWY 114 COUNTY WISE	TSP	01/05/82	12/25/82	58	153	133	61	28	55	1.6

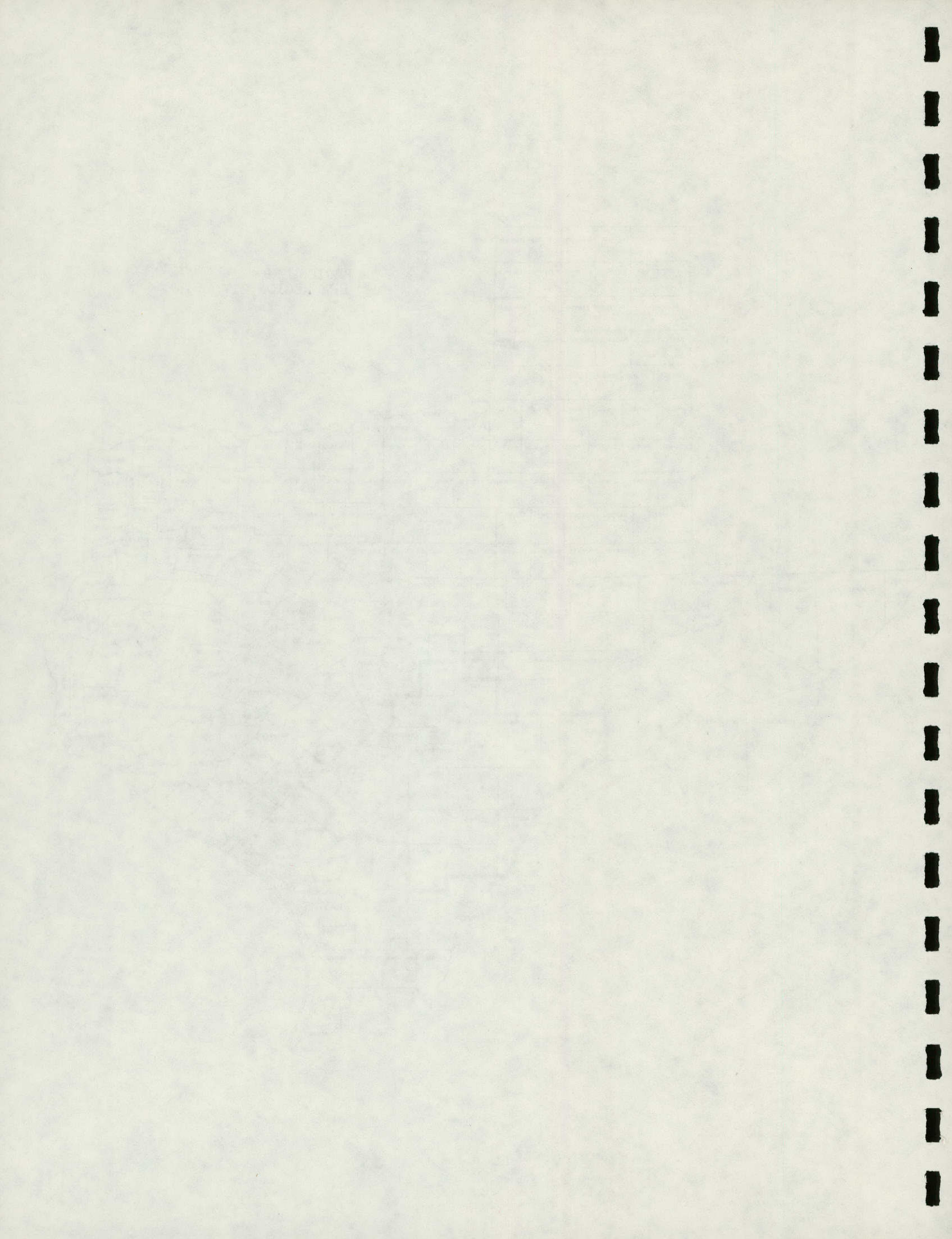
43

* NO DUSTSTORM DATA ARE INCLUDED



REGION 9
EPA REGION 217





TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 09

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
SAN ANTONIO (CAMP BULLIS)	TSP	01/05/82	12/31/82	61	1000	150	54	125	36	1.9
450420002G01				* 59	150	92	38	22	33	1.6
CAMP BULLIS, SAN ANTONIO										

COUNTY BEXAR

SAN ANTONIO (FT. SAM HOUSTON)	TSP	01/05/82	06/28/82	30	135	121	53	25	49	1.5
451866001G01				* 27	121	59	48	18	45	1.4

FT. SAM HOUSTON, NEXT TO BROOKS ARMY HOSPITAL

COUNTY BEXAR

SAN ANTONIO (FT. SAM HOUSTON)	TSP	07/04/82	12/31/82	30	91	86	46	20	42	1.5
-------------------------------	-----	----------	----------	----	----	----	----	----	----	-----

451866002G01

FT. SAM HOUSTON, 1900 BLK WINANS RD. NEAR MARS RADIO STATION

COUNTY BEXAR

SAN ANTONIO (SITE 31)	TSP	01/05/82	12/31/82	61	315	217	112	54	100	1.7
-----------------------	-----	----------	----------	----	-----	-----	-----	----	-----	-----

454570022G02

INTERNATIONAL AIRPORT 139 AIRPORT

COUNTY BEXAR

SAN ANTONIO (TEX. CULTURE)	TSP	01/05/82	12/31/82	58	151	135	71	23	65	1.5
----------------------------	-----	----------	----------	----	-----	-----	----	----	----	-----

454570034F01

900 BLK E DURANGO INST. OF TEXAS CULTURE

COUNTY BEXAR

SAN ANTONIO (TEXAS CULTURE)	TSP	01/05/82	12/31/82	60	153	136	70	28	65	1.5
-----------------------------	-----	----------	----------	----	-----	-----	----	----	----	-----

454570034G01

900 BLK DURANGO

COUNTY BEXAR

* NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 09		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
SAN ANTONIO, NORTH (CAMS 7)	TSP	01/05/82	12/31/82	61	123	114	58	21	55	1.5
454570036F01				* 59	114	104	57	19	54	1.4
DELLVIEW PARK, 522 PILGRIM DR. AT PANDA DR. COUNTY BEXAR										
SAN ANTONIO (DPS)	TSP	01/05/82	12/31/82	59	146	115	54	24	49	1.5
454570040G01				* 56	115	94	51	20	43	1.5
DEPT OF PUBLIC SAFETY; 6502 S NEW B RAUNFELS COUNTY BEXAR										
SAN ANTONIO (EAST KELLY)	TSP	01/05/82	12/31/82	61	147	135	76	26	72	1.5
454570042G01				* 59	147	126	75	25	71	1.4
BLDG #3810, EASTERN ROAD, EAST KELLY AFB COUNTY BEXAR										
SAN ANTONIO (FOX RUN)	TSP	01/05/82	12/31/82	61	162	112	47	24	42	1.5
454570045G01				* 59	112	91	44	13	41	1.5
KINGS MOUNTAIN AT MARTINS FERRY COUNTY BEXAR										
SAN ANTONIO (MISSION ESPADA)	TSP	05/11/82	12/31/82	40	119	103	55	26	49	1.7
454570047G01										
10040 ESPADA RD. AT CAMINO COAHUILT ECA: NATL HISTORIC PK COUNTY BEXAR										

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 09

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
NEW BRAUNFELS (CIVIC CENTER) 453850001F01 CIVIC CENTER, 380 S. SEGUIN	TSP	01/05/82	12/31/82	59	112	106	64	20	60	1.4

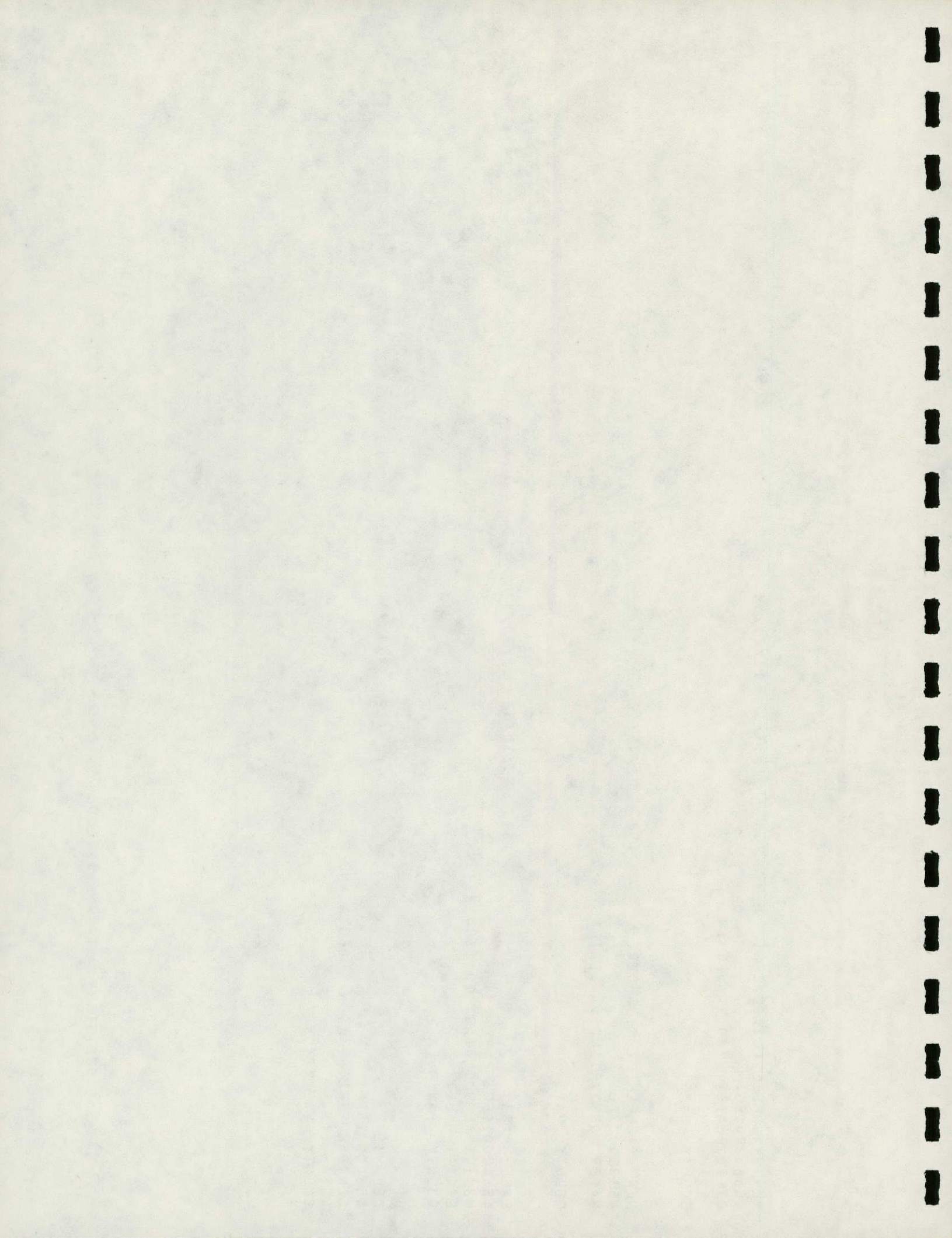
COUNTY HAYS

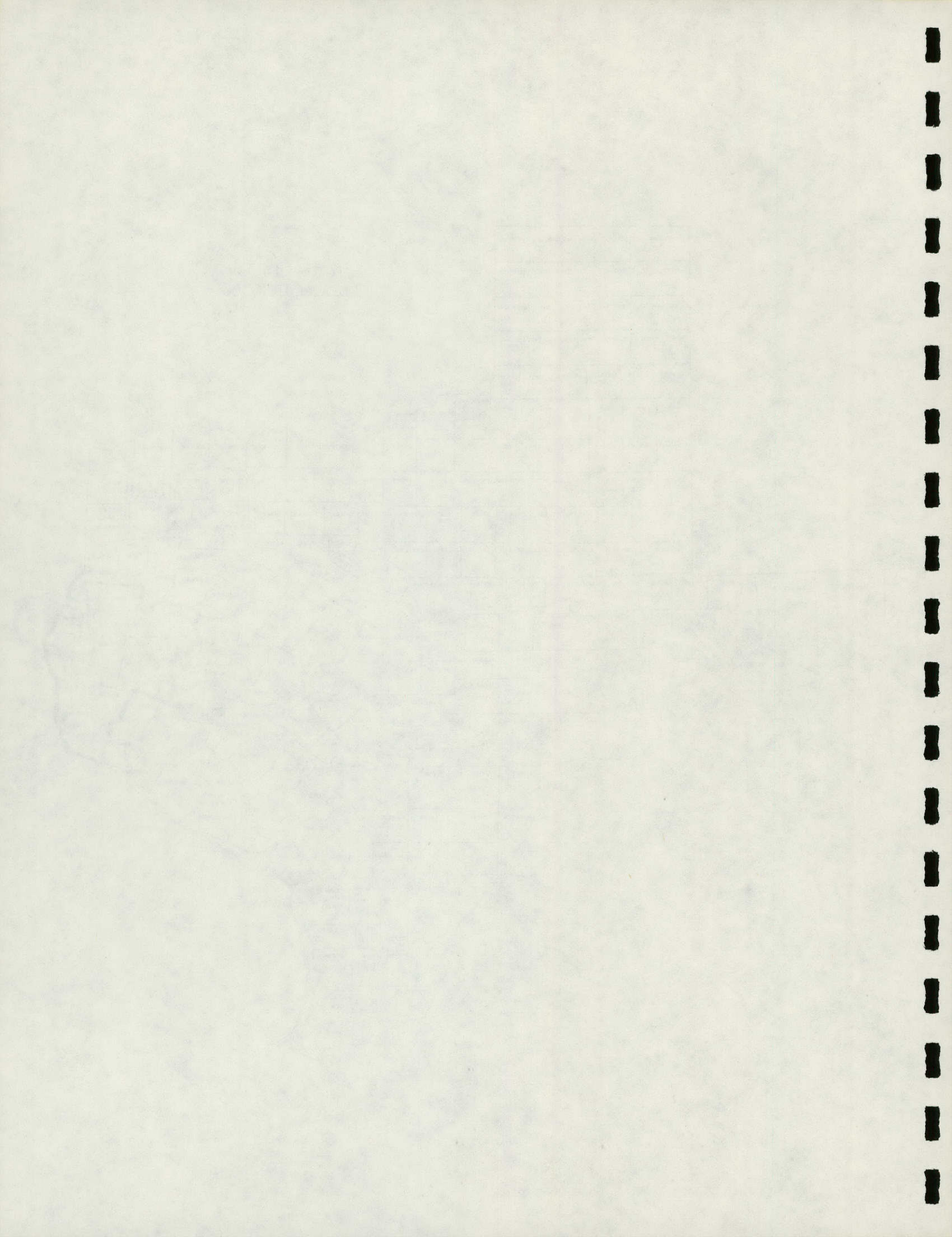
NEW BRAUNFELS (WATER DEPT) 453850002F01 WATER WORKS, 1100 N. CENTRAL	TSP	01/05/82	12/31/82	53 * 56	164 154	153 153	73 71	33 31	66 65	1.5 1.5
--	-----	----------	----------	------------	------------	------------	----------	----------	----------	------------

COUNTY HAYS

EAGLE PASS 456000019F01 MUNICIPAL BUILDING, 101 SOUTH MONRO E(CITY HALL) COUNTY MAVERICK	TSP	03/30/82	12/25/82	10	150	128	92	35	85	1.6
--	-----	----------	----------	----	-----	-----	----	----	----	-----

DEL RIO 456000015F01 CENTRAL FIRE STATION, LOSOYA AND PU LLIAM STS. COUNTY VAL VERDE	TSP	01/05/82	12/13/82	52	98	93	57	18	55	1.4
--	-----	----------	----------	----	----	----	----	----	----	-----





TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 10

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	SEC MEAN	GED STD DEV
BEAUMONT (HEALTH DEPT.) 450330001F01 CITY HEALTH DEPT ROOF 950 WASHINGTON N BLVD COUNTY JEFFERSON	TSP	01/05/82	12/19/82	51	113	107	64	14	62	1.3
BEAUMONT, DOWNTOWN (LAMAR C-2) 450330009F01 GEORGIA AT CUNNINGHAM-LAMAR UNIVERS ITY CAMPUS COUNTY JEFFERSON	TSP	01/05/82	12/31/82	53 * 52	131 128	128 110	64 62	22 20	60 59	1.4 1.4
PORT ARTHUR 454190009F01 HWY 287 AT 32ND STREET, FIRE STATIO N #6 COUNTY JEFFERSON	TSP	01/05/82	12/31/82	28	124	91	60	23	55	1.5
PORT ARTHUR NORTH (CAMS 29) 454190010F01 4401 FERNDALE, TYRELL SCHOOL COUNTY JEFFERSON	TSP	01/05/82	12/31/82	53 * 52	116 113	113 79	55 54	19 17	52 51	1.4 1.4
PORT ARTHUR WEST (CAMS 28) 454190011F01 800 EL VISTA ROAD; PHYLLIS WHEATLEY SCHOOL COUNTY JEFFERSON	TSP	01/11/82	12/31/82	54 * 53	116 96	96 90	59 58	20 18	56 55	1.4 1.4

67 * NO DUSTSTORM DATA ARE INCLUDED

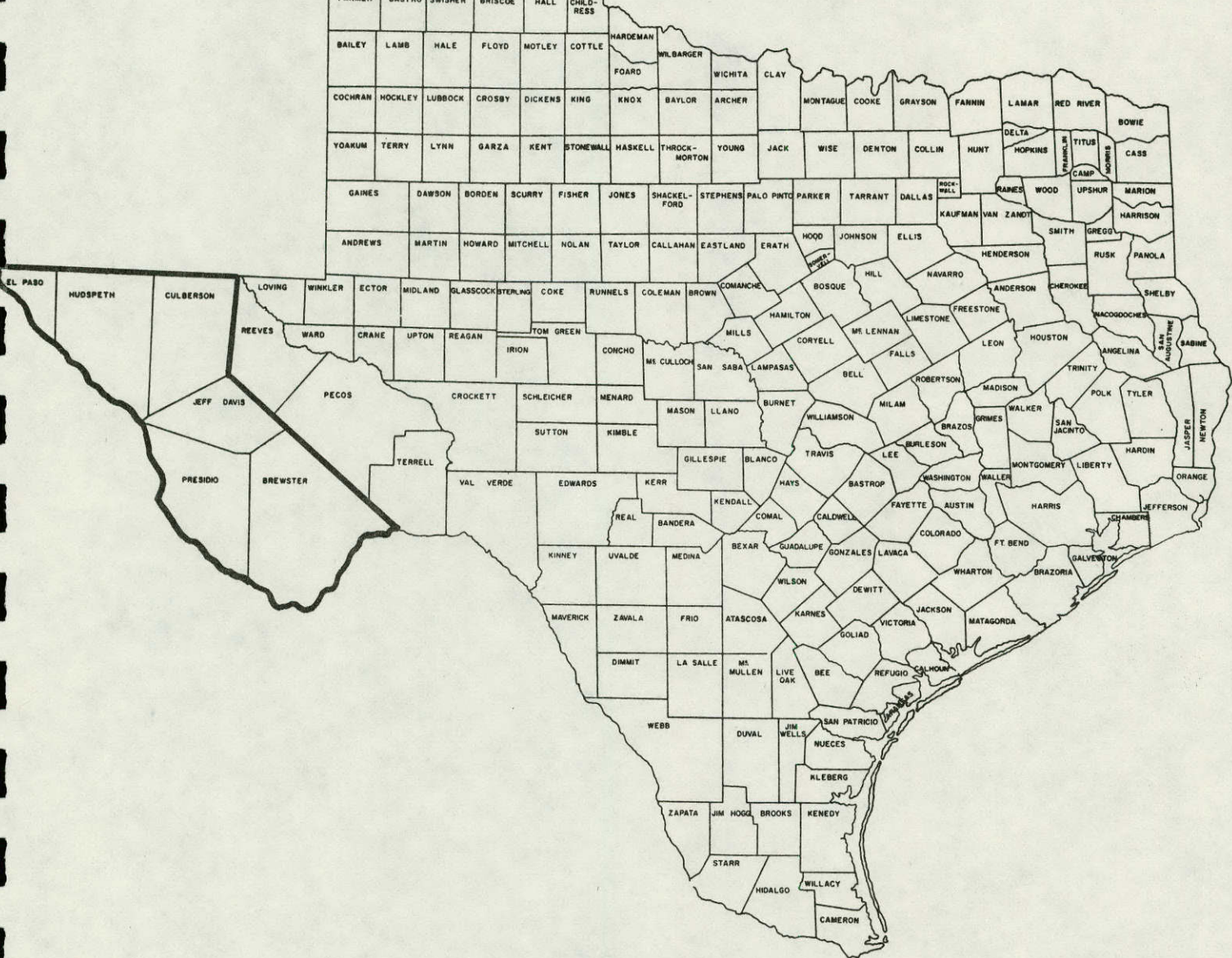
TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

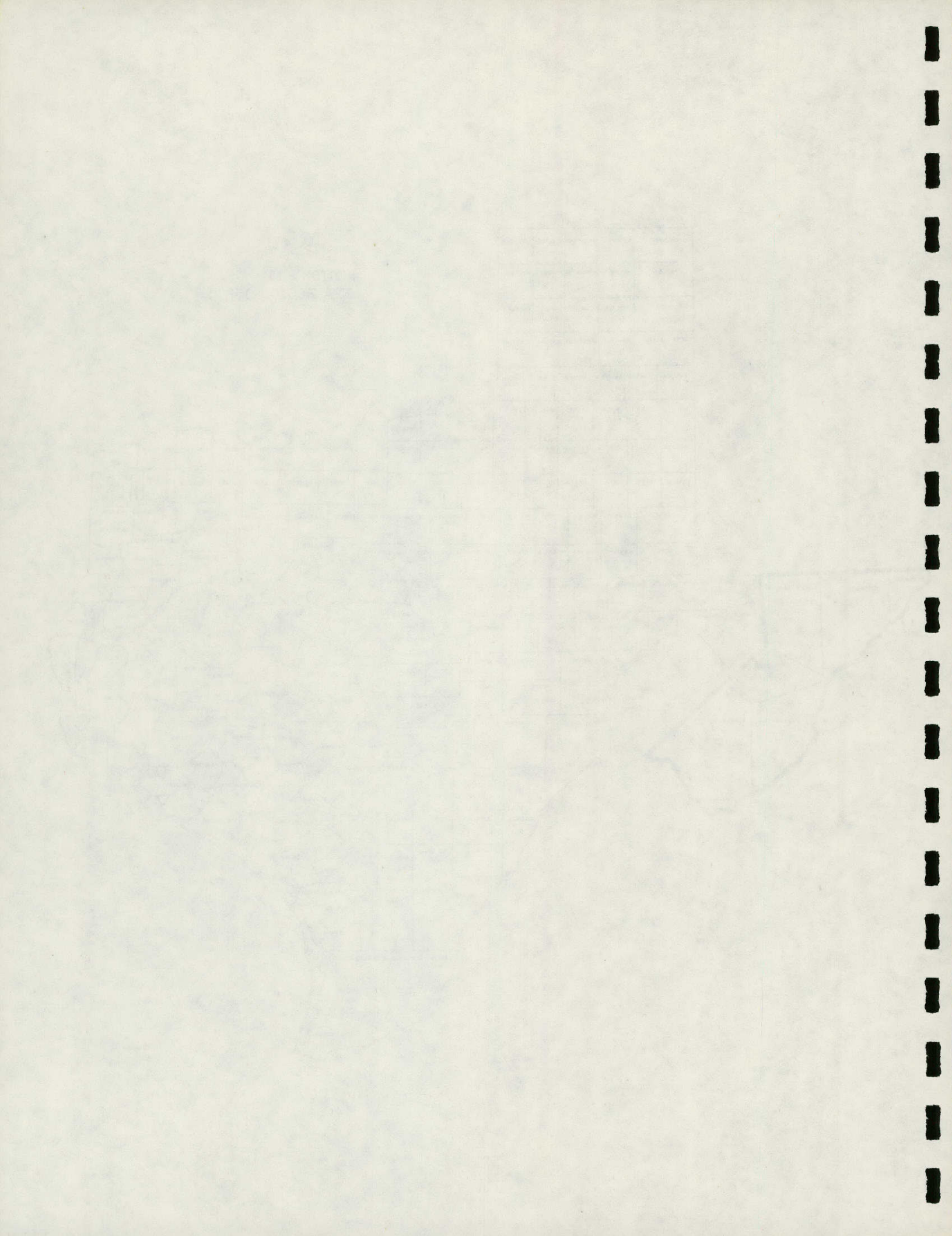
REGION 10

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
NACOGDOCHES 453790002F01 FIRE STATION, 408 STALLINGS DR. S. W. COUNTY NACOGDOCHES	TSP	03/06/82	12/31/82	34	83	88	62	19	59	1.4

REGION 11
EPA REGION 153

DALLAM	SHERMAN	HANSFORD	OCHLTREE	LIPSCOMB
HARTLEY	MOORE	HUTCHINSON	ROBERTS	HEMPHILL
OLDHAM	POTTER	CARSON	GRAY	WHEELER
DEAF SMITH	RANDALL	ARMSTRONG	DONLEY	COLLINGSWORTH
PARMER	CASTRO	SWISHER	BRISCOE	HALL CHILDRESS
BAILEY	LAMB	HALE	FLOYD	MOTLEY COTTLE
COCHRAN	HOCKLEY	LUBBOCK	CROSBY	DICKENS KING KNOX BAYLOR ARCHER
YOAKUM	TERRY	LYNN	GARZA	KENT STONEWALL HASKELL THROCKMORTON YOUNG
GAINES	DAWSON	BORDEN	SCURRY	FISHER JONES SHACKELFORD STEPHENS PALO PINTO PARKER TARRANT DALLAS
ANDREWS	MARTIN	HOWARD	MITCHELL	NOLAN TAYLOR CALLAHAN EASTLAND ERATH





TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 11

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
EL PASO (HEALTH DEPT.) 451700002F01 ROOF HEALTH DEPT. BLDG. 222 SO. CAM PBELL ST. COUNTY EL PASO	TSP	01/11/82	12/31/82	52 * 50	249 249	241 215	99 95	46 41	90 37	1.6 1.5
EL PASO (HEALTH DEPT) 451700002G01 222 SO. CAMPBELL, HEALTH DEPT COUNTY EL PASO	TSP	01/05/82	12/31/82	54 * 51	333 302	302 255	124 117	63 54	111 106	1.6 1.6
EL PASO (SHORTY LANE) 451700003G01 FIRE STA. ON SHORTY LANE COUNTY EL PASO	TSP	01/05/82	12/31/82	59 * 58	179 179	168 143	66 64	34 31	58 57	1.7 1.7
EL PASO (CORONADO) 451700007G01 6500 N. MESA, CORONADO FIRE STATION COUNTY EL PASO	TSP	01/05/82	12/31/82	56 * 55	216 125	125 121	57 54	33 25	50 48	1.6 1.6
EL PASO (NORTHEAST) 451700010G01 5587 TRANS MOUNTAIN, NORTHEAST CLIN IC COUNTY EL PASO	TSP	01/05/82	12/31/82	56 * 55	141 141	136 136	60 59	29 29	54 53	1.6 1.6

52 * NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 11

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
EL PASO (AIRPORT)	TSP	01/05/82	12/19/82	53	233	223	72	45	63	1.6
451700011G01				* 50	146	113	64	26	59	1.5
WEATHER BUREAU, CONVAIR RD, AIRPORT										
COUNTY EL PASO										
EL PASO (TIGUA)	TSP	01/05/82	12/31/82	59	261	246	136	55	124	1.6
451700015G01				* 57	246	242	132	52	121	1.6
TIGUA CLINIC, 7862 SAN JOSE RD. AT WENDA MAY										
COUNTY EL PASO										
EL PASO (SAN JUAN)	TSP	01/05/82	12/25/82	56	174	162	86	32	81	1.5
451700016F01				* 53	162	149	83	29	78	1.4
6292 TROWBRIDGE										
COUNTY EL PASO										
EL PASO (ANIMAL CONTROL)	TSP	01/05/82	12/31/82	50	241	236	121	51	110	1.6
451700018G01				* 57	236	236	116	47	106	1.5
211 SHELTER PLACE, ANIMAL CONTROL										
COUNTY EL PASO										
EL PASO (PERSHING)	TSP	01/05/82	12/25/82	55	185	170	77	34	71	1.5
451700019G01				* 53	170	153	75	31	69	1.5
PERSHING FIRE STATION 3200 PERSHING										
COUNTY EL PASO										

53 * NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 11		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
EL PASO (HIGHLAND)		01/05/82	12/31/82	56	214	132	66	34	59	1.7
451700024G01				* 55	132	125	63	28	57	1.6
HIGHLAND ELEMENTARY SCHOOL 2300 SAN DIEGO COUNTY EL PASO										
EL PASO (ZACK WHITE)		01/05/82	12/31/82	55	241	153	75	41	66	1.7
451700025G01				* 52	153	145	70	33	62	1.7
ZACK WHITE SCHOOL 4256 ROXBURY COUNTY EL PASO										
EL PASO (CAMS 6)		01/05/82	12/31/82	59	321	292	116	56	104	1.6
451700027F01				* 58	321	292	114	54	103	1.6
500 N. CAMPBELL COUNTY EL PASO										
EL PASO (IVANHOE)		01/05/82	12/31/82	59	214	152	66	32	60	1.5
451700029G01				* 56	146	130	61	23	57	1.4
10832 IVANHOE AT LEE TREVINO COUNTY EL PASO										
EL PASO (YSLETA CLINIC)		01/05/82	12/31/82	56	457	451	184	103	159	1.8
451700030G01				* 53	457	450	172	91	151	1.7
SOCORRO AT AVENUE OF THE AMERICAS, YSLETA CLINIC, 9060 SOCORRO RD COUNTY EL PASO										

51 * NO DUSTSTORM DATA ARE INCLUDED

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

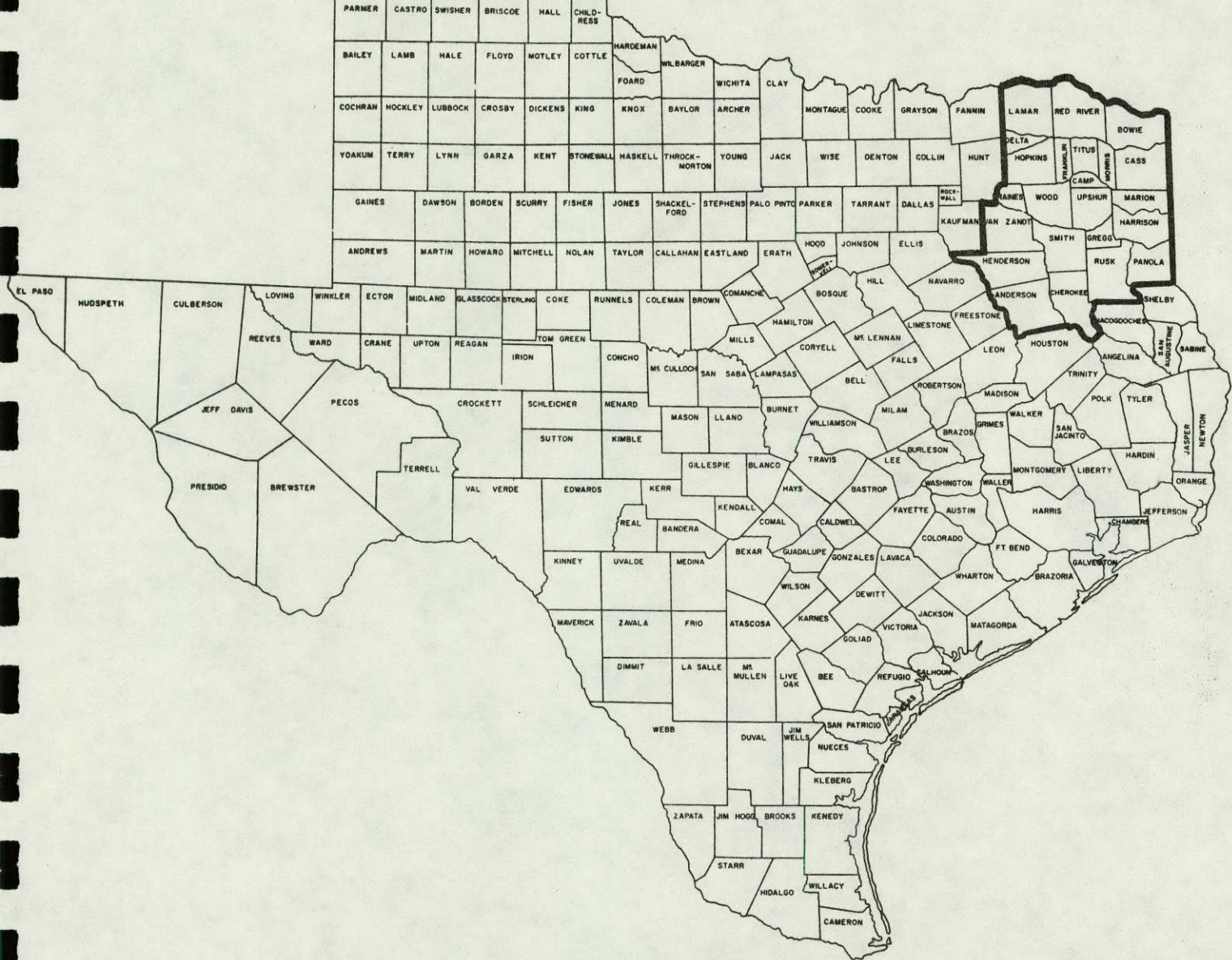
REGION 11

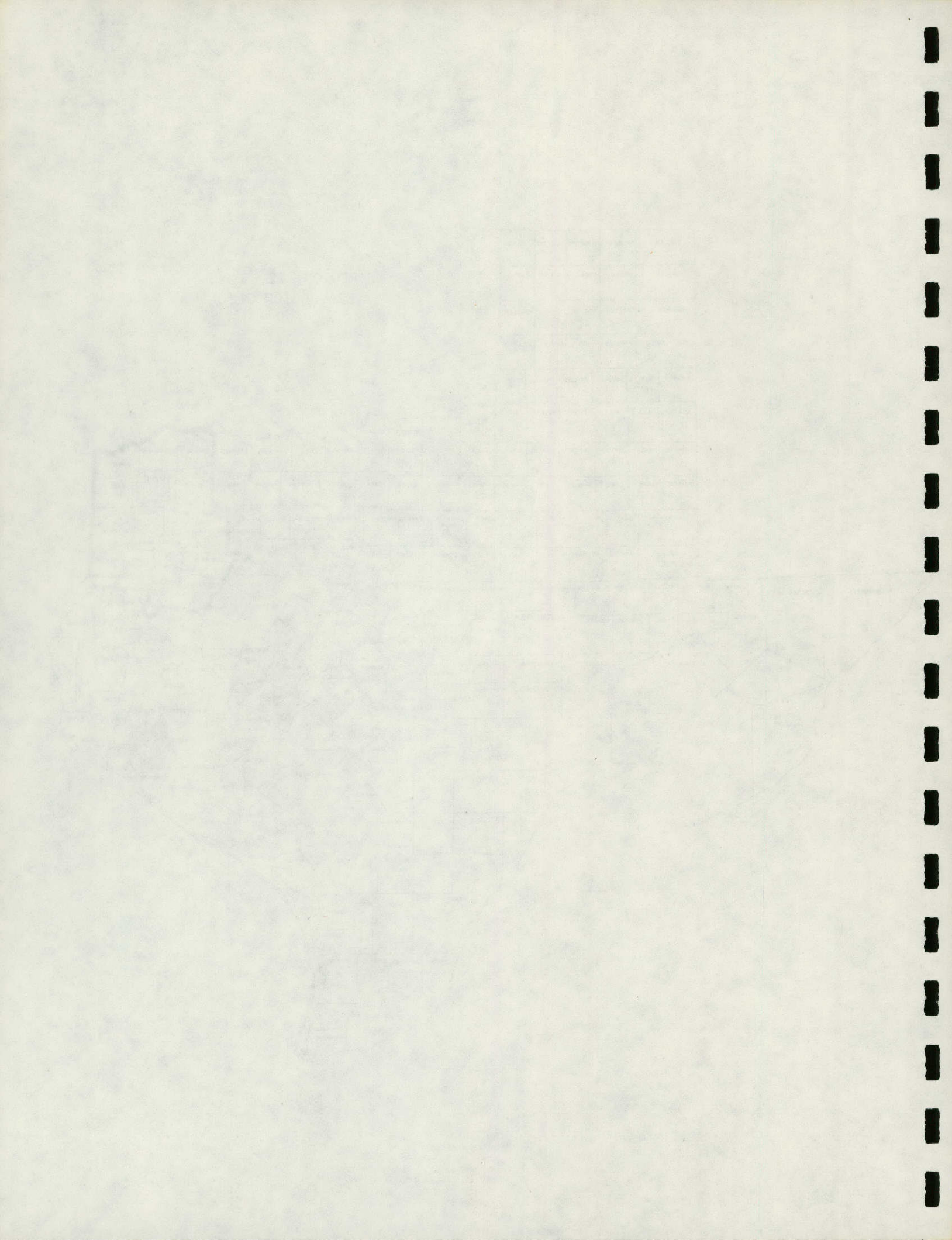
		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
EL PASO (IBWC)	TSP	01/05/82	12/31/82	55	513	423	171	71	149	1.7
451700031G02				* 53	513	423	156	89	145	1.7
2616 W. PAISANO-GATE LOCK AT INTERNATIONAL BOUNDARY & WATER COMMISSION COUNTY EL PASO										
EL PASO (KERN FIRE STATION)	TSP	01/05/82	12/31/82	57	146	142	84	28	79	1.5
451700033G01				* 55	142	133	82	26	77	1.5
301 E. ROBINSON, KERN FIRE STATION COUNTY EL PASO										
EL PASO, FAR WEST (LINCOLN C-30)	TSP	01/05/82	12/31/82	60	174	163	80	35	73	1.6
451700036F01				* 55	174	163	76	32	69	1.5
200 MULBERRY COUNTY EL PASO										
EL PASO UTEP (CAMS 12)	TSP	01/11/82	12/31/82	56	203	197	90	43	80	1.6
451700037F01				* 53	203	197	85	39	77	1.6
U.T.E.P. 125 RIM ROAD COUNTY EL PASO										
EL PASO	TSP	01/11/82	12/19/82	48	260	191	109	44	100	1.5
451700038G01				* 46	191	181	104	37	97	1.5
RIVERSIDE HIGH (EAST) COUNTY EL PASO										

51 * NO DUSTSTORM DATA ARE INCLUDED

REGION 12
EPA REGION 022

DALLAM	SHERMAN	HANSFORD	OCHILTREE	LIPSCOMB																		
HARTLEY	MOORE	HUTCHINSON	ROBERTS	HEMPHILL																		
OLDHAM	POTTER	CARSON	GRAY	WHEELER																		
DEAF SMITH	RANDALL	ARMSTRONG	DONLEY	COLLINGS-WORTH																		
PARMER	CASTRO	SWISHER	BRISCOE	HALL	CHILDRESS																	
BAILEY	LAMB	HALE	FLOYD	MOTLEY	COTTE	HARDEMAN																
COCHRAN	HOCKLEY	LUBBOCK	CROSBY	DICKENS	KING	KNOX	BAYLOR	ARCHER	WICHITA	CLAY												
YOAKUM	TERRY	LYNN	GARZA	KENT	STONEWALL	HASKELL	THROCKMORTON	YOUNG	JACK	WISE	DENTON	COLLIN	HUNT	LAMAR	RED RIVER	DELTA	HOPKINS	FRANKLIN	TITUS	CAMP	MOORE	CASS
GAINES	DAWSON	BORDEN	SCURRY	FISHER	JONES	SHACKELFORD	STEPHENS	PALO PINTO	PARKER	TARRANT	DALLAS	ROCKWALL	KAUFMAN	JAN ZANDT	SMITH	GREGG	HARRISON	WOOD	UPSHUR	MARION		
ANDREWS	MARTIN	HOWARD	MITCHELL	NOLAN	TAYLOR	CALLAHAN	EASTLAND	ERATH	HOOD	JOHNSON	ELLIS	HOOPER	HENDERSON	SMITH	RUSK	PANOLA	ANDERSON	CHEROKEE	SHELBY			





TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 12

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HOUR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
TEXARKANA	TSP	01/11/82	12/31/82	48	115	100	60	20	56	1.4
455160003F01				* 47	100	96	59	19	55	1.4
BOWIE CO HEALTH UNIT, 12TH SPRUCE, 75502 COUNTY BOWIE										
LONGVIEW (CAMS 19)	TSP	01/11/82	12/31/82	56	103	102	46	17	43	1.4
452180001F03				* 55	103	82	45	16	42	1.4
GREGG COUNTY AIRPORT COUNTY GREGG										
LONE STAR	TSP	12/01/82	12/31/82	6	39	31	28	3	26	1.4
453740001F01										
NEAR THE LONE STAR STEEL WORKS COUNTY MORRIS										
TYLER	TSP	01/05/82	12/31/82	33	116	93	57	19	54	1.4
455240002F01				* 36	93	84	54	15	52	1.3
ROOF FIRE STATION, 218 ELM ST AT SO UTH FANNING COUNTY SMITH										
MT PLEASANT	TSP	01/23/82	11/19/82	49	99	81	52	16	50	1.4
453770001F01				* 48	81	73	51	15	49	1.3
CITY WATER TREATMENT PLANT, OLD CIT Y LAKE, NORTH OF IH30 COUNTY TITUS										

TEXAS AIR SURVEILLANCE REPORT
 PARTICULATE DATA
 CONCENTRATIONS IN MICROGRAMS PER CUBIC METER

REGION 12

		START DATE	END DATE	NO. OF SAMPLES	MAX 24 HR	SEC HIGH	ARITH MEAN	ARITH STD DEV	GEO MEAN	GEO STD DEV
MT PLEASANT	TSP	01/23/82	11/19/82	49	99	31	52	16	50	1.4
453770001F01				* 48	31	73	51	15	49	1.3
CITY WATER TREATMENT PLANT, OLD CIT Y LAKE, NORTH OF IH30 COUNTY TITUS										

* NO DUSTSTORM DATA ARE INCLUDED

