STATE OF ARIZONA

JANET NAPOLITANO
GOVERNOR

OFFICE OF THE GOVERNOR
1700 WEST WASHINGTON STREET, PHOENIX, AZ 85007

MAIN PHONE: 602-542-4331
FACSIMILE: 602-542-7601

July 11, 2003

Wayne Nastri, Regional Administrator
Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105-3901

Re: Arizona's 8-Hour Ozone Area Designation Recommendations

Dear Mr. Nastri:

Pursuant to Section 107(d)(1) of the Clean Air Act, Arizona hereby submits the following 8-hour area designation recommendation for all areas of the State outside of Indian Country.

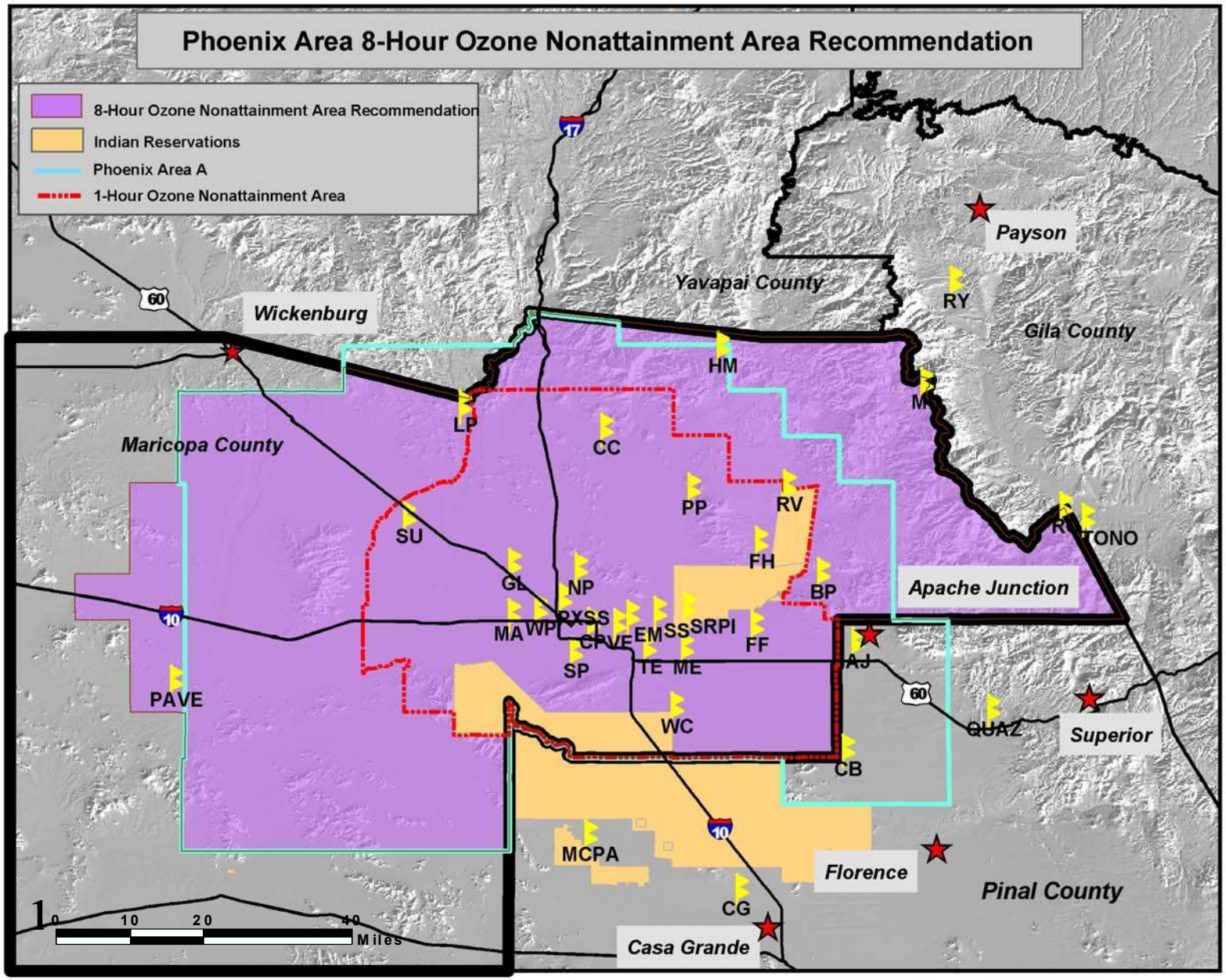
Arizona recommends that all parts of the State (except for Indian Country) be designated attainment/unclassifiable, except for portions of Maricopa County as defined in the Enclosure. Arizona's supporting analysis for this recommendation will be provided to you by Stephen Owens, Director of the Arizona Department of Environmental Quality, under separate cover.

I look forward to working with you to finalize the designation by April 15, 2004. If you have any questions, please contact Director Owens at (602) 771-2203 or Nancy C. Wrona, Director, Air Quality Division, at (602) 771-2308.

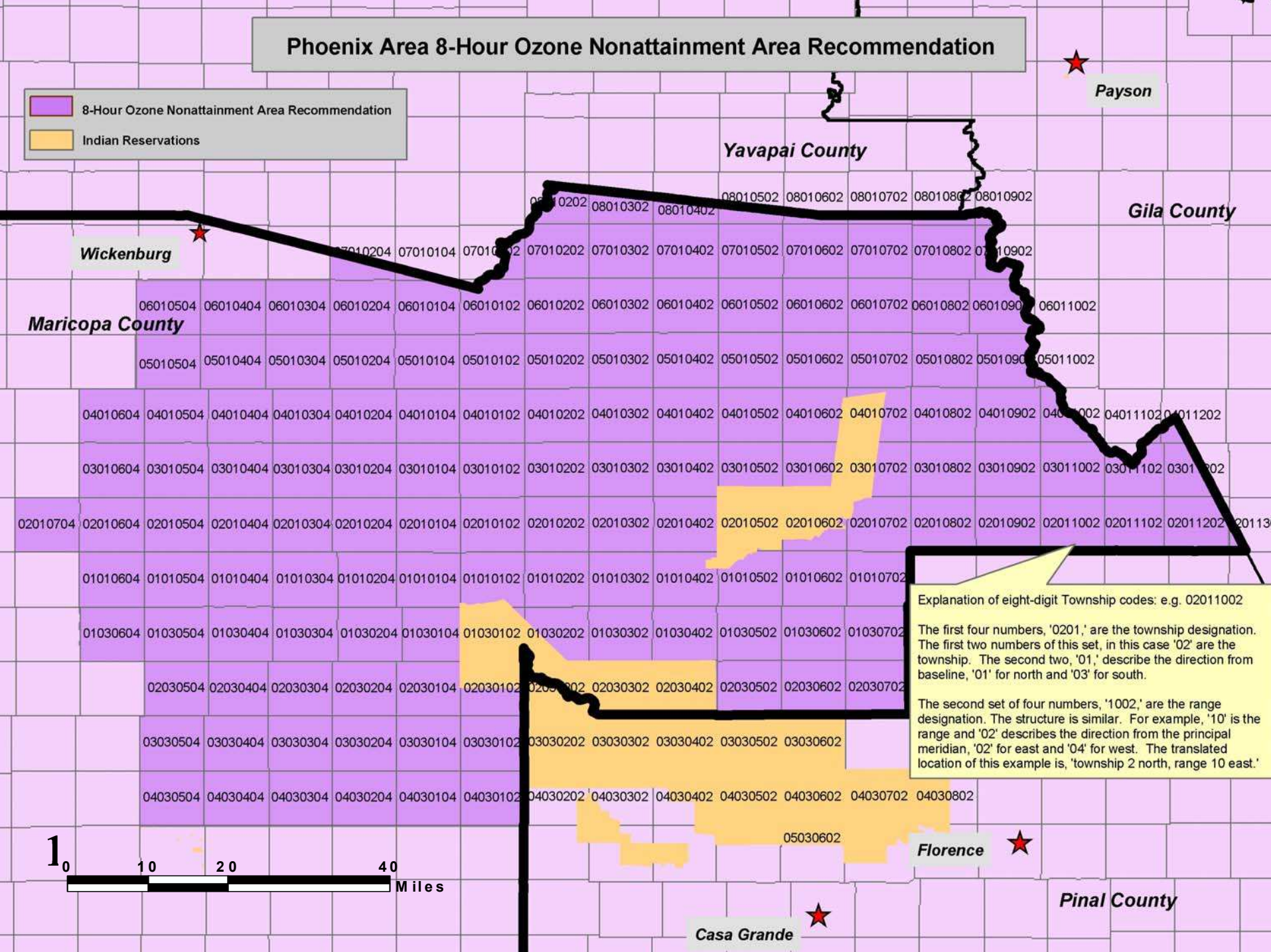
Yours very truly,

Janet Napolitano
Governor

Enclosure


Phoenix Area 8-Hour Ozone Nonattainment Area Recommendation
8-Hour Ozone Nonattainment Area Recommendation
Indian Reservations
Phoenix Area A
1-Hour Ozone Nonattainment Area
Payson
Yavapai County
Gila County
Wickenburg
Maricopa County
Apache Junction
Superior
Florence
Pinal County
Casa Grande
RY
HM
M
LP
CC
PP
RV
SU
FH
BP
GL
NP
MA
WP
PXSS
CPVE
EM
SS
SRPI
FF
SP
TE
ME
AJ
PAVE
WC
QUAZ
CB
MCPA
CG
60
17
10
0
10
20
40
Miles

Phoenix Area 8-Hour Ozone Nonattainment Area Recommendation



Arizona-Ozone (8-Hour Standard)

Designated Area	Designation	Classification
	Type	Type
Phoenix Area: Maricopa County (part)…….. T1N, R1E (except that portion in Indian Country) T1N, R2E T1N, R3E T1N, R4E (except that portion in Indian Country) T1N, R5E (except that portion in Indian Country) T1N, R6E T1N, R7E T1N, R1W T1N, R2W T1N, R3W T1N, R4W T1N, R5W T1N, R6W T2N, R1E T2N, R2E T2N, R3E T2N, R4E T2N, R6E (except that portion in Indian Country) T2N, R7E (except that portion in Indian Country) T2N, R8E T2N, R9E T2N, R10E T2N, R11E T2N, R12E (except that portion in Gila County) T2N, R13E (except that portion in Gila County) T2N, R1W T2N, R2W T2N, R3W	Nonattainment	

T2N, R4W T2N, R5W T2N, R6W T2N, R7W T3N, R1E T3N, R2E T3N, R3E T3N, R4E T3N, R5E (except that portion in Indian Country) T3N, R6E (except that portion in Indian Country) T3N, R7E (except that portion in Indian Country) T3N, R8E T3N, R9E T3N, R10E (except that portion in Gila County) T3N, R11E (except that portion in Gila County) T3N, R12E (except that portion in Gila County) T3N, R1W T3N, R2W T3N, R3W T3N, R4W T3N, R5W T3N, R6W T4N, R1E T4N, R2E T4N, R3E T4N, R4E T4N, R5E T4N, R6E (except that portion in Indian Country) T4N, R7E (except that portion in Indian Country) T4N, R8E T4N, R9E T4N, R10E (except that portion in Gila County)		

T4N, R11E (except that portion in Gila County) T4N, R12E (except that portion in Gila County) T4N, R1W T4N, R2W T4N, R3W T4N, R4W T4N, R5W T4N, R6W T5N, R1E T5N, R2E T5N, R3E T5N, R4E T5N, R5E T5N, R6E T5N, R7E T5N, R8E T5N, R9E (except that portion in Gila County) T5N, R10E (except that portion in Gila County) T5N, R1W T5N, R2W T5N, R3W T5N, R4W T5N, R5W T6N, R1E (except that portion in Yavapai County) T6N, R2E T6N, R3E T6N, R4E T6N, R5E T6N, R6E T6N, R7E T6N, R8E T6N, R9E (except that portion in Gila County) T6N, R10E (except that portion in Gila County) T6N, R1W (except that portion in Yavapai County)		

T6N, R2W T6N, R3W T6N, R4W T6N, R5W T7N, R1E (except that portion in Yavapai County) T7N, R2E (except that portion in Yavapai County) T7N, R3E T7N, R4E T7N, R5E T7N, R6E T7N, R7E T7N, R8E T7N, R9E (except that portion in Gila County) T7N, R1W (except that portion in Yavapai County) T7N, R2W (except that portion in Yavapai County) T8N, R2E (except that portion in Yavapai County) T8N, R3E (except that portion in Yavapai County) T8N, R4E (except that portion in Yavapai County) T8N, R5E (except that portion in Yavapai County) T8N, R6E (except that portion in Yavapai County) T8N, R7E (except that portion in Yavapai County) T8N, R8E (except that portion in Yavapai and Gila Counties) T8N, R9E (except that portion in Yavapai and Gila Counties) T1S, R1E (except that portion in Indian Country) T1S, R2E (except that portion in Pinal County and in Indian Country) T1S, R3E		

T1S, R4E T1S, R5E T1S, R6E T1S, R7E T1S, R1W T1S, R2W T1S, R3W T1S, R4W T1S, R5W T1S, R6W T2S, R1E (except that portion in Indian Country) T2S, R5E T2S, R6E T2S, R7E T2S, R1W T2S, R2W T2S, R3W T2S, R4W T2S, R5W T3S, R1E T3S, R1W T3S, R2W T3S, R3W T3S, R4W T3S, R5W T4S, R1E T4S, R1W T4S, R2W T4S, R3W T4S, R4W T4S, R5W		

Rest of State (except those portions in Indian Country)…….…… Apache County Cochise County Coconino County Gila County Graham County Greenlee County La Paz County Maricopa County (part) Remainder of County Mohave County Navajo County Pima County Pinal County Santa Cruz County Yavapai County Yuma County	Attainment/ Unclassifiable	

MARICOPA ASSOCIATION of GOVERNMENTS

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Phone (602) 254-6300 ▲ FAX (602) 254-6490
Email: mag@mag.maricopa.gov ▲ Website: www.mag.maricopa.gov

August 22, 2003

Mr. Michael Leavitt, Administrator
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Dear Mr. Leavitt:

The Maricopa Association of Governments serves as the designated Regional Air Quality Planning Agency for the Maricopa County nonattainment area. On July 11, 2003, Governor Janet Napolitano recommended an eight-hour ozone nonattainment area boundary within Maricopa County to the Environmental Protection Agency. As Chair of the MAG Regional Council, I strongly encourage EPA to accept Governor Napolitano's recommendation. The proposed boundary represents a reasonable approach to this important environmental and public health issue.

According to EPA policy, the presumption is that the nonattainment area boundary reflect the Metropolitan Statistical Area, which includes all of Maricopa and Pinal Counties. This 14,600 square mile area is comparable in size to the combined area of Massachusetts, Connecticut, and Rhode Island. States may propose a smaller boundary by addressing the key factors identified in the EPA guidance, such as growth and development, commuting patterns, and air quality data.

Following an extensive analysis, the Governor recommended a 4,710 square mile nonattainment area, which includes portions of Maricopa County only (see Attachment). The recommended boundary encompasses the greater Phoenix metropolitan area, the existing one-hour ozone nonattainment area, the growing area to the west where several new power plants are located and substantial residential growth is planned and the area to the north and east of the urban area where monitors are violating the eight-hour standard or have experienced exceedances in recent history.

Based upon 2000-2002 data, only three of the nineteen monitors violated the standard with readings only slightly (.001 parts per million) higher than the standard. The June 2003 EPA implementation guidance indicates that areas close to the standard (within .005 parts per million) are expected to come into attainment without any additional local controls due to stricter federal vehicle controls that begin in 2004.

Again, I strongly encourage EPA to accept Governor Napolitano's recommendation for the eight-hour ozone nonattainment area boundary in Maricopa County. During the process, we appreciated the Governor's consideration of the recommendations made by the MAG Regional Council. We will look forward to working with the Environmental Protection Agency as the region strives to meet the new eight-hour ozone standard. If you have any questions, please do not hesitate to contact Dennis Smith, MAG Executive Director, at (602) 254-6300.

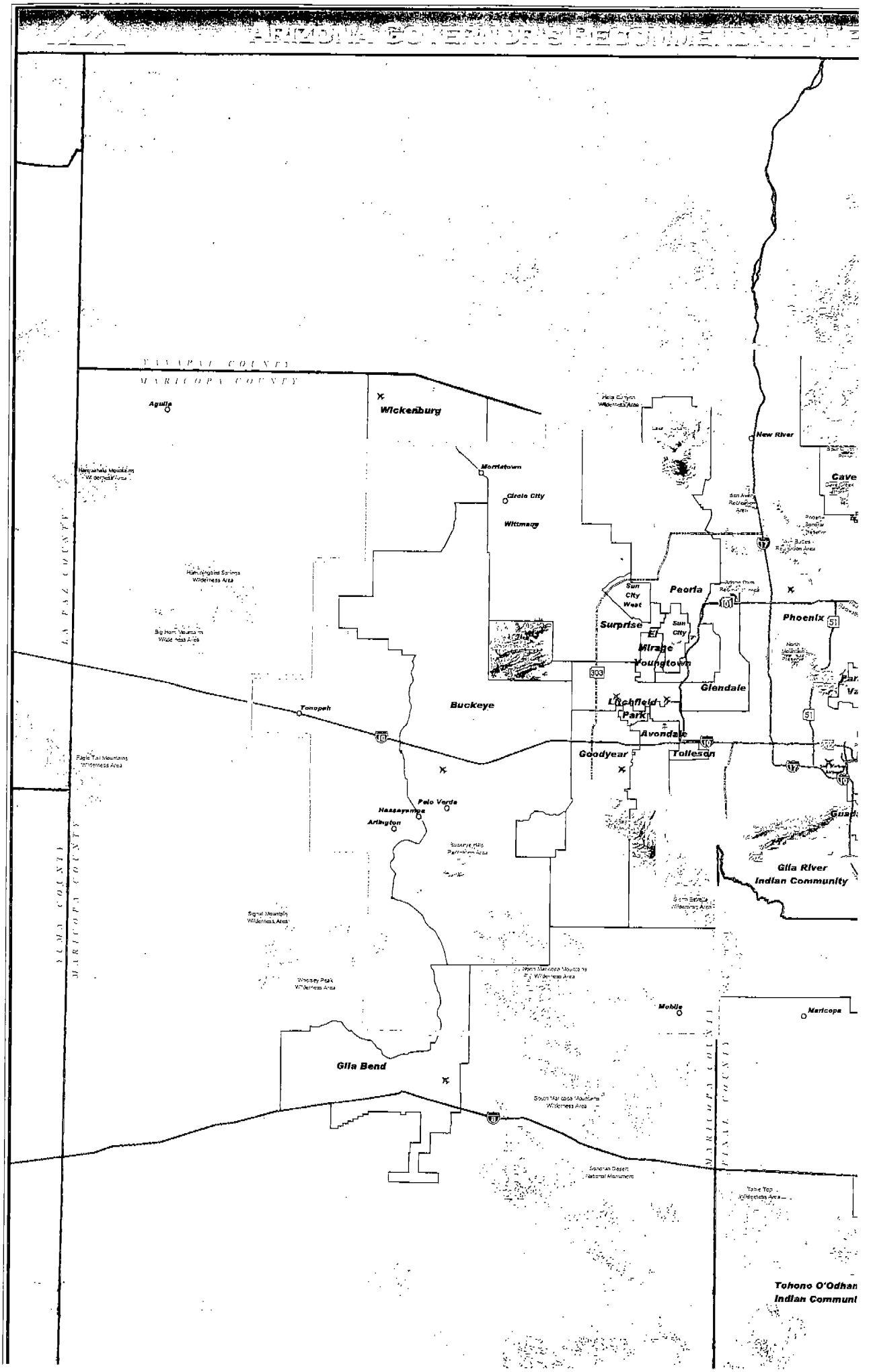
Sincerely,

Wendy Feldman-Kerr

Wendy Feldman-Kerr
Chair, MAG Regional Council
Mayor of Queen Creek

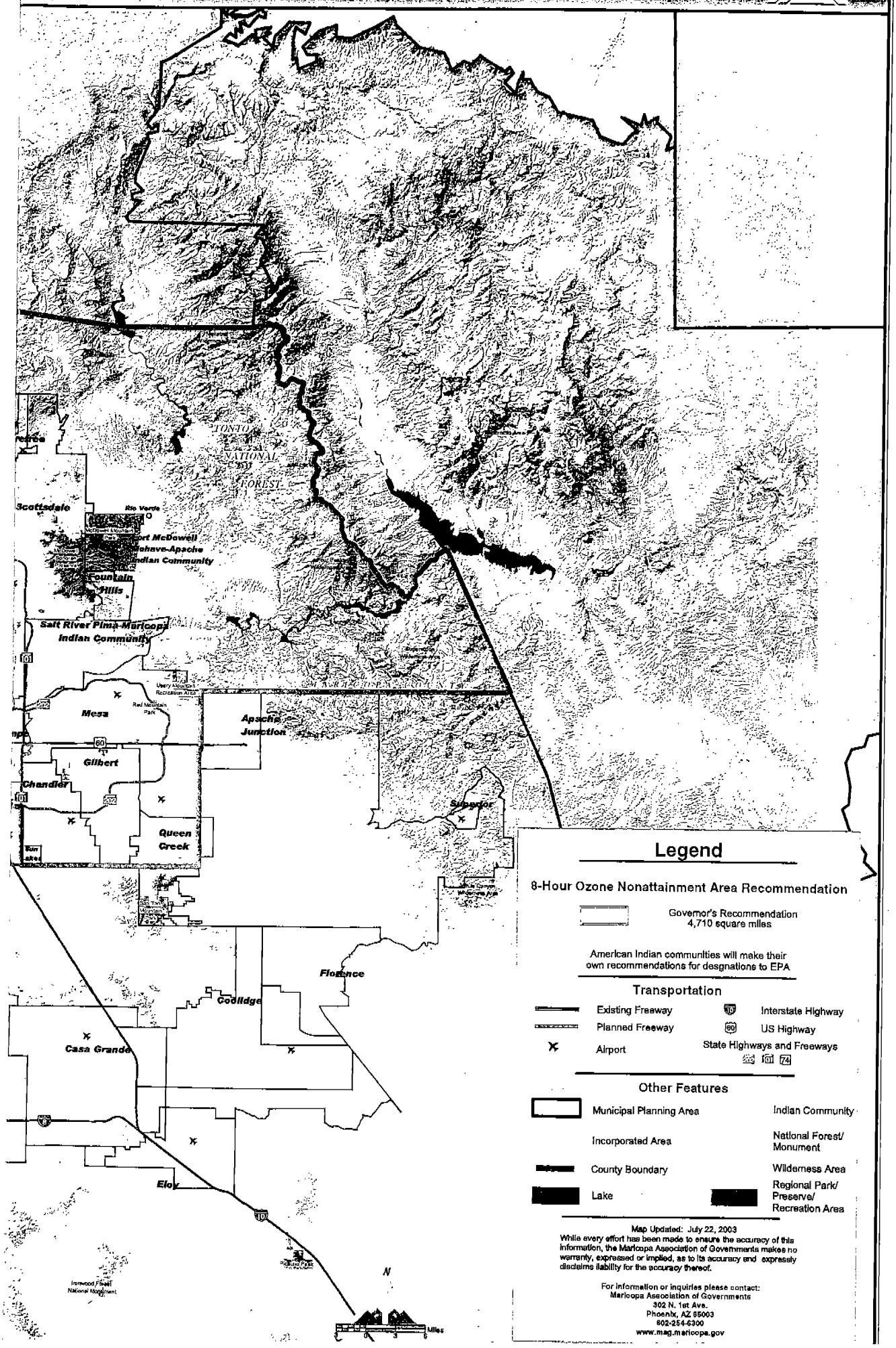
cc: Governor Janet Napolitano, Arizona
Arizona Congressional Delegation
MAG Regional Council
Stephen Owens, ADEQ Director
Wayne Nastri, EPA Region IX Administrator

DATE 8	25	03
ACTION (✓)		COPIED (✓)
	RA	RA
	DRA	DRA
✓	AIR	AIR
	OCGR	OCGR
	ORC	ORC
	OSPEI	OSPEI
	PMD	PMD
	# FUND	# FUND
	WASTE	WASTE
	WATER	WATER
	X-MEDIA	X-MEDIA



YAVAPAI COUNTY
MARICOPA COUNTY
LA PAZ COUNTY
YUMA COUNTY
MARICOPA COUNTY
PINAL COUNTY
Aguila
Wickenburg
Morristown
Circle City
Wittmann
Tonopah
Buckeye
Palo Verde
Hassayampa
Arlington
Gila Bend
Mobile
Maricopa
New River
Cave
Peoria
Sun City West
Sun City
Surprise
El Mirage
Youngtown
Glendale
Litchfield Park
Avondale
Goodyear
Tolleson
Phoenix
Gila River Indian Community
Tohono O'Odhan Indian Communi
Hummingbird Springs Wilderness Area
Big Horn Mountains Wilderness Area
Eagle Tail Mountains Wilderness Area
Signal Mountain Wilderness Area
Whiskey Peak Wilderness Area
South Maricopa Mountains Wilderness Area
Sonoran Desert National Monument
Table Top Wilderness Area

THE 8-HOUR OZONE NONATTAINMENT AREA



4 HIGHEST 8-HOUR OZONE AVERAGES 1995-2002 (in ppm)
February 13, 2003
Data Management Team

NOTE: 2002 VALUES ARE FROM AQS DATABASE AND FAST TRACK REPORTS.
They may change as more data are received.

Note: Computed averages are truncated to 3 decimal places.

Data from AQS unless otherwise noted by **.

COUNTY	AQS ID	SITE	1995 No. of Valid Hours	1995 Max	1995 2nd High	1995 3rd High	1995 4th High	1995 No. of Exceedances	1996 No. of Valid Hours	1996 Max	1996 2nd High	1996 3rd High	1996 4th High	1996 No. of Exceedances	1997 No. of Valid Hours	1997 Max	1997 2nd High	1997 3rd High	1997 4th High	1997 No. of Exceedances	1998 No. of Valid Hours	1998 Max	1998 2nd High	1998 3rd High	1998 4th High
APACHE																									
	No sites																								
COCHISE																									
	04-003-8001	Chiricahua Natl Monument	6836	0.074	0.072	0.070	0.069	0	7979	0.075	0.074	0.073	0.072	0	8185	0.068	0.068	0.067	0.065	0	8231	0.075	0.073	0.069	0.067
							Total Exc	0					Total Exc	0					Total Exc	0					Total Exc
COCONINO																									
	04-005-2001	Grand Canyon Nat Park	1801	0.058	0.054	0.052	0.051	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
	04-005-8001	Grand Canyon Natl Park - Hance Camp	7983	0.071	0.070	0.069	0.069	0	8313	0.079	0.079	0.075	0.073	0	8451	0.074	0.073	0.073	0.072	0	8639	0.073	0.073	0.073	0.072
	N/A	Navajo Generating Station **	N/A	N/A	N/A	N/A	N/A			N/A	N/A	N/A	N/A	N/A	8540	N/A	N/A	N/A	0.063	0	N/A	N/A	N/A	N/A	N/A
							Total Exc	0					Total Exc	0					Total Exc	0					Total Exc
GILA																									
	04-007-9991	Rye - 1997-1999 only	N/A						N/A	N/A	N/A	N/A	N/A	N/A	1639	0.066	0.059	0.057	0.056	0	1745	0.077	0.071	0.067	0.065
	04-007-0014	Tonto National Monument ** -began 2002	N/A						N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
																			Total Exc	0					Total Exc
GRAHAM	No sites																								
LA PAZ	No sites																								
MARICOPA																									
	04-013-8804	Arrowhead	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4535	0.065	0.062	0.060	0.059	0	Closed				
	04-013-9701	Blue Point	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7693	0.084	0.084	0.084	0.083	0	8510	0.093	0.092	0.090	0.088
	04-013-4009	Cave Creek	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04-013-3001	Central Phoenix	8736	0.088	0.086	0.085	0.085	4	8443	0.081	0.081	0.080	0.076	0	8548	0.094	0.085	0.079	0.077	2	8369	0.087	0.084	0.084	0.079
	04-013-1016	Falcon Field	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8548	0.086	0.083	0.082	0.081	1	8564	0.090	0.085	0.083	0.083
	04-013-9704	Fountain Hills	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8709	0.092	0.089	0.088	0.088	5	8676	0.094	0.093	0.088	0.088
	04-013-2001	Glendale	8175	0.087	0.082	0.080	0.080	1	8254	0.085	0.076	0.072	0.072	1	8303	0.083	0.082	0.077	0.076	0	8651	0.073	0.072	0.071	0.070
	04-013-9506	Humboldt Mt.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3842	0.085	0.082	0.081	0.081	1	8395	0.094	0.090	0.090	0.090
	04-013-9805	Lake Pleasant - closed 6/01/01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4886	0.088	0.085	0.082	0.082
	04-013-3006	Maryvale	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6941	0.085	0.081	0.078	0.078	1	8454	0.088	0.090	0.089	0.086
	04-013-1001	Mesa	8324	0.098	0.094	0.092	0.092	13	7905	0.099	0.098	0.095	0.090	6	8342	0.091	0.087	0.085	0.084	3	8672	0.088	0.084	0.080	0.080
	04-013-9701	Mt. Ord - closed 10/30/01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6713	0.086	0.086	0.085	0.084	3	8175	0.092	0.090	0.089	0.088
	04-013-1004	North Phoenix	8606	0.097	0.096	0.095	0.092	10	8578	0.108	0.102	0.098	0.095	13	8448	0.094	0.092	0.091	0.091	8	8506	0.095	0.094	0.090	0.089
	04-013-9997	Palo Verde	N/A	N/A	N/A	N/A	N/A	N/A	1554	0.077	0.075	0.073	0.071	0	6861	0.091	0.078	0.077	0.077	1	4523	0.091	0.081	0.080	0.080
	04-013-3004	Emergency Management - closed 6/01/0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8431	0.099	0.090	0.088	0.085	4	8472	0.093	0.083	0.082	0.081
	04-013-9998	JLG Supersite	N/A	N/A	N/A	N/A	N/A	N/A	4336	0.095	0.093	0.089	0.087	6	5813	0.089	0.080	0.080	0.078	1	5494	0.089	0.081	0.080	0.078
	04-013-2005	Pinnacle Peak	7702	0.097	0.096	0.096	0.091	5	8716	0.099	0.094	0.094	0.091	5	8487	0.085	0.084	0.084	0.082	1	8659	0.095	0.089	0.087	0.086
	04-013-9704	Rio Verde	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3472	0.091	0.087	0.085	0.085	4	384	0.089	0.088	0.088	0.078
	04-013-9701	Roosevelt	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3308	0.090	0.087	0.087	0.084	3	Closed				
	04-013-9994	Salt River-Pima Indian Reservation	3955	0.094	0.092	0.092	0.092	9	3262	0.100	0.096	0.094	0.092	12	5986	0.087	0.086	0.086	0.082	3	4191	0.090	0.089	0.088	0.087
	04-013-4003	South Phoenix - new site	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04-013-0011	South Phoenix - old site	8753	0.097	0.087	0.084	0.084	2	8477	0.098	0.097	0.094	0.091	7	8208	0.088	0.080	0.079	0.075	1	8384	0.088	0.083	0.082	0.080
	04-013-3003	South Scottsdale	8618	0.098	0.090	0.089	0.089	7	8716	0.098	0.092	0.091	0.087	8	8240	0.087	0.080	0.077	0.076	1	8323	0.084	0.083	0.079	0.078
	04-013-4001	Surprise	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04-013-4005	Tempe	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04-013-9991	VEI	4184	0.099	0.093	0.093	0.092	6	1443	0.094	0.089	0.083	0.080	2	Closed						Closed				
	04-013-4004	West Chandler - new site	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04-013-3002	West Chandler - old site	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8302	0.079	0.078	0.078	0.077	0	8446	0.079	0.075	0.075	0.074
	04-013-0011	West Phoenix	8522	0.084	0.084	0.084	0.084	0	8204	0.088	0.086	0.082	0.081	2	7860	0.080	0.081	0.079	0.078	1	8745	0.103	0.093	0.093	0.086
							Total Exc	55					Total Exc	61					Total Exc	45					Total Exc
MOHAVE																									
	No Sites																								
NAVAJO																									
	04-017-1101	Petrified Forest National Park	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					
PIMA																									
	04-019-0021	Saguaro National Park - East	8513	0.092	0.087	0.084	0.083	2	8309	0.081	0.079	0.077	0.076	0	8539	0.084	0.081	0.081	0.078	0	8739	0.079	0.078	0.077	0.076
	04-019-1029	Tucson - Children's Park	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3375	0.078	0.074	0.073	0.065	0	8651	0.077	0.073	0.073	0.072
	04-019-1011	Tucson - 22nd & Craycroft	8672	0.089	0.084	0.083	0.080	1	8706	0.079	0.079	0.077	0.077	0	8740	0.085	0.079	0.077	0.077	1	8747	0.080	0.080	0.077	0.073
	04-019-0001	Tucson - Downtown	8693	0.075	0.075	0.072	0.070	0	8584	0.073	0.070	0.069	0.069	0	8651	0.066	0.066	0.065	0.065	0	8455	0.066	0.064	0.064	0.062
	04-019-1021	Tucson - Fairgrounds	8632	0.079	0.079	0.079	0.076	0	8670	0.078	0.076	0.075	0.070	0	8739	0.072	0.070	0.068	0.065	0	8448	0.072	0.072	0.071	0.071
	04-019-0018	Tucson - N. Pomona	8626	0.095	0.091	0.090	0.080	1	5769	0.084	0.080	0.079	0.074	0	Closed						Closed				
	04-019-1024	Tucson - N. Sabino Canyon Rd.	8571	0.069	0.069	0.063	0.062	0	3863	0.070	0.067	0.067	0.065	0	Closed						Closed				
	04-019-1018	Tucson - Tangerine	8748	0.081	0.075	0.075	0.074	0	8521	0.075	0.072	0.072	0.071	0	8716	0.075	0.074	0.072	0.070	0	8677	0.072	0.072	0.071	0.070
							Total Exc	4					Total Exc	0					Total Exc	1					Total Exc
PINAL																									
	N/A	Apache Junction **	7744	0.095	0.093	0.093	0.091	8	7801	0.092	0.086	0.085	0.085	8	8727	0.084	0.083	0.082	0.082	0	8384	0.091	0.089	0.082	0.082
	N/A	Casa Grande **	8632	0.077	0.074	0.073	0.071	0	8703	0.086	0.081	0.080	0.078	1	8704	0.075	0.074	0.073	0.072	0	8480	0.070	0.069	0.068	0.068
	N/A	Combs - began 07/02/02 **	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	Maricopa - began 07/05/02 **	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	Pinal Air Park - began 07/05/02 **	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04-021-8001	Queen Valley - began 2001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							Total Exc	8					Total Exc	7					Total Exc	0					Total Exc
SANTA CRUZ																									
	No sites																								
YAVAPAI																									
	04-025-0005	Hillside	N/A	N/A	N/A	N/A	N/A	N/A	3647	0.093	0.090	0.085	0.085	4	4653	0.083	0.082	0.078	0.076	0	4616	0.087	0.086	0.085	0.083
													Total Exc	4					Total Exc	0					Total Exc
YUMA																									
	04-027-0003	Yuma	3811	0.083	0.082	0.075	0.073	0	1437	0.085	0.084	0.084	0.083	1	Closed						Closed				
	04-027-0005	Yuma	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5443	0.084	0.081	0.079	0.079	0	3986	0.085	0.080	0.089	0.089
							Total Exc	0					Total Exc	1					Total Exc	0					Total Exc

Data from AQS unless otherwise noted by ".

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF
11	No. of		No. of Valid		1999			No. of		No. of Valid			2000		No. of		No. of Valid			2001		No. of		No. of Valid			2002		No. of
12	Exceedances		Hours	Max	2nd High	3rd High	4th High	Exceedances		Hours	Max	2nd High	3rd High	4th High	Exceedances		Hours	Max	2nd High	3rd High	4th High	Exceedances		Hours	Max	2nd High	3rd High	4th High	Exceedances
18	0		8355	0.079	0.075	0.073	0.072	0		8475	0.073	0.072	0.071	0.071	0		8278	0.068	0.068	0.067	0.067	0		7325	0.077	0.074	0.072	0.069	0
19	0						Total Exc	0						Total Exc.	0						Total Exc	0						Total Exc	0
22			Closed							Closed							Closed												
23	0		8678	0.081	0.079	0.079	0.076	0		8706	0.076	0.077	0.073	0.071	0		8621	0.072	0.071	0.071	0.070	0		7636	0.081	0.081	0.079	0.079	0
24	N/A		8320	0.070	0.067	0.066	0.065	0		8715	0.066	0.065	0.064	0.063	0		8618	0.065	0.063	0.061	0.059	0		N/A	N/A	N/A	N/A	N/A	
25	0						Total Exc	0						Total Exc.	0						Total Exc	0						Total Exc	0
29	0		4983	0.084	0.080	0.080	0.080	0		Closed							Closed							Closed					
29	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		2901	0.081	0.088	0.088	0.087	5
30	0						Total Exc	0																				Total Exc	5
35			Closed							Closed							Closed							Closed					
36	16		8589	0.092	0.090	0.088	0.087	6		8666	0.090	0.090	0.089	0.087	10		8657	0.085	0.081	0.080	0.080	1		8722	0.091	0.089	0.088	0.086	5
37	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		2173	0.089	0.085	0.083	0.083	2		4797	0.090	0.089	0.088	0.086	4
39	1		8407	0.088	0.081	0.079	0.078	1		8655	0.088	0.081	0.077	0.076	1		8550	0.079	0.077	0.076	0.075	0		8391	0.088	0.084	0.082	0.076	1
38	2		7136	0.084	0.083	0.083	0.082	0		4783	0.082	0.080	0.077	0.075	0		5090	0.089	0.085	0.081	0.081	2		4988	0.093	0.092	0.088	0.084	3
40	6		8899	0.090	0.088	0.088	0.086	5		8609	0.089	0.089	0.088	0.085	4		8712	0.087	0.086	0.085	0.083	3		8640	0.092	0.092	0.091	0.088	5
41	0		6954	0.083	0.082	0.082	0.081	0		5113	0.088	0.081	0.081	0.081	1		5077	0.082	0.085	0.080	0.079	2		5063	0.094	0.088	0.083	0.083	2
42	10		7065	0.091	0.088	0.086	0.086	7		5038	0.086	0.085	0.084	0.082	2		5082	0.087	0.086	0.085	0.085	4		5101	0.102	0.091	0.090	0.090	8
43	2		7071	0.084	0.083	0.082	0.081	0		4767	0.090	0.089	0.084	0.082	2		2800	0.076	0.073	0.073	0.073	0		Closed					
44	4		7151	0.085	0.080	0.080	0.077	1		5016	0.081	0.081	0.080	0.080	1		5019	0.083	0.075	0.074	0.073	0		5041	0.107	0.095	0.094	0.084	3
45	1		8565	0.095	0.089	0.085	0.083	3		8479	0.089	0.079	0.078	0.075	1		8110	0.079	0.077	0.077	0.074	0		8253	0.082	0.073	0.073	0.072	0
46	6		6381	0.093	0.090	0.088	0.087	6		3159	0.091	0.090	0.090	0.090	8		3268	0.081	0.079	0.077	0.077	0		Closed					
47	10		8512	0.089	0.087	0.087	0.084	3		8628	0.091	0.087	0.086	0.086	4		8716	0.093	0.087	0.086	0.086	4		8518	0.093	0.089	0.088	0.085	5
48	1		4933	0.082	0.081	0.081	0.080	0		3713	0.085	0.081	0.080	0.080	1		4380	0.077	0.076	0.074	0.074	0		4415	0.085	0.080	0.080	0.078	1
49	0		7210	0.097	0.094	0.088	0.088	6		4955	0.077	0.072	0.072	0.070	0		1455	0.067	0.065	0.064	0.063	0		Closed					
50	1		1747	0.051	0.048	0.048	0.048	0		4531	0.093	0.078	0.077	0.076	1		8449	0.086	0.081	0.080	0.079	1		6452	0.093	0.089	0.083	0.076	2
51	7		8697	0.090	0.088	0.087	0.083	3		8670	0.092	0.088	0.087	0.086	5		8627	0.095	0.088	0.087	0.085	4		8572	0.089	0.086	0.085	0.084	3
52	3		4980	0.092	0.088	0.086	0.085	6		5091	0.089	0.087	0.086	0.085	5		5127	0.083	0.083	0.083	0.083	0		5066	0.089	0.088	0.085	0.085	4
53			Closed							Closed							Closed							Closed					
54	7		4911	0.095	0.085	0.083	0.082	2		Closed							Closed							Closed					
55	N/A		2202	0.070	0.069	0.063	0.063	0		8629	0.086	0.086	0.085	0.083	3		8539	0.086	0.082	0.080	0.076	1		8674	0.090	0.086	0.082	0.081	2
56	1		4280	0.077	0.077	0.076	0.075	0		Closed							Closed							Closed					
57	0		8416	0.077	0.075	0.072	0.072	0		8711	0.087	0.082	0.081	0.080	1		8110	0.088	0.081	0.079	0.079	1		8444	0.087	0.079	0.079	0.077	1
58	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		6150	0.073	0.073	0.072	0.071	0		4808	0.083	0.080	0.080	0.078	0
59	N/A		N/A	N/A	N/A	N/A	N/A	N/A		4246	0.086	0.084	0.083	0.078	1		7220	0.088	0.082	0.082	0.079	1		5063	0.086	0.085	0.083	0.080	2
60			Closed							Closed							Closed							Closed					
61	N/A		N/A	N/A	N/A	N/A	N/A	N/A		2199	0.088	0.080	0.079	0.077	1		5021	0.086	0.084	0.083	0.078	1		5035	0.094	0.085	0.083	0.083	2
62	0		7222	0.075	0.071	0.071	0.069	0		935	0.078	0.078	0.075	0.074	0		Closed							Closed					
63	7		8519	0.099	0.092	0.092	0.091	4		8178	0.087	0.082	0.082	0.081	1		8245	0.081	0.079	0.076	0.075	0		8650	0.102	0.100	0.084	0.084	2
64	85						Total Exc	53						Total Exc.	53						Total Exc	27						Total Exc	55
69			N/A	N/A	N/A	N/A	N/A	N/A									N/A	N/A	N/A	N/A	N/A	N/A		657	0.059	0.059	0.055	0.055	0
70																												Total Exc	0
72	0		8232	0.085	0.073	0.071	0.069	1		8282	0.076	0.076	0.074	0.074	0		8368	0.069	0.068	0.068	0.066	0		8728	0.082	0.082	0.079	0.077	0
73	0		8731	0.085	0.074	0.072	0.071	1		8648	0.081	0.080	0.077	0.077	0		8698	0.071	0.070	0.068	0.069	0		8749	0.085	0.078	0.073	0.073	1
74	0		8750	0.085	0.082	0.072	0.071	1		8778	0.079	0.078	0.076	0.076	0		8729	0.075	0.073	0.070	0.069	0		8714	0.085	0.080	0.078	0.075	1
75	0		8740	0.071	0.069	0.064	0.064	0		9255	0.073	0.070	0.068	0.067	0		8719	0.071	0.069	0.068	0.065	0		8748	0.080	0.073	0.073	0.072	0
76	0		8708	0.080	0.070	0.069	0.068	0		8754	0.077	0.076	0.075	0.074	0		8564	0.071	0.069	0.068	0.066	0		8735	0.079	0.078	0.076	0.072	0
77			Closed							Closed							Closed							Closed					
78			Closed							Closed							Closed							Closed					
79	0		8733	0.082	0.074	0.073	0.073	0		8755	0.074	0.074	0.074	0.073	0		8735	0.069	0.068	0.067	0.067	0		8634	0.090	0.079	0.076	0.075	1
80	0						Total Exc	3						Total Exc.	0						Total Exc	0						Total Exc	3
83	2		8459	0.091	0.089	0.081	0.080	2		8592	0.087	0.084	0.082	0.082	1		8068	0.082	0.081	0.079	0.078	0		N/A	0.081	0.081	0.081	0.080	0
84	0		8424	0.093	0.093	0.079	0.079	0		8257	0.087	0.086	0.086	0.085	5		8598	0.079	0.078	0.075	0.074	0		N/A	0.080	0.080	0.078	0.078	0
85	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	0.075	0.074	0.072	0.069	0
86	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	0.084	0.081	0.073	0.068	0
87	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	0.080	0.075	0.072	0.070	0
88	N/A		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A		3624	0.084	0.084	0.080	0.079	0		4463	0.085	0.083	0.083	0.083	1
89	2						Total Exc	2						Total Exc.	6						Total Exc	0						Total Exc	1
94	3		8405	0.089	0.088	0.085	0.084	3		8306	0.086	0.083	0.083	0.083	1		7012	0.077	0.077	0.077	0.076	0		4384	0.092	0.090	0.090	0.089	4
95	3						Total Exc	3						Total Exc.	1						Total Exc	0						Total Exc	4
97			Closed							Closed							Closed							Closed					
98	5		5324	0.087	0.081	0.079	0.079	1		4318	0.068	0.068	0.067	0.060	0		4303	0.082	0.076	0.075	0.068	0		not operational	N/A	N/A	N/A	N/A	
99	5						Total Exc	1						Total Exc.	0						Total Exc	0							

3-Year Averages of 4th Highest 8-Hour Averages

Values marked in bold are above standard.

COUNTY	AQS ID	SITE	4th Highest 8-Hour Averages 1995	1996	1997	1998	1999	2000	2001	2002	3-Year Averages of 4th Highest 8-hour Values 1995-97	1996-98	1997-99	1998-00	1999-01	2000-02
APACHE																
	No sites															
COCHISE																
	04-003-8001	Chiricahua Natl Monument	0.069	0.072	0.065	0.067	0.072	0.071	0.067	0.069	0.068	0.068	0.068	0.070	0.069	0.069
COCONINO																
	04-005-2003	Grand Canyon Nat Park	0.051													
	04-005-8001	Grand Canyon Natl Park - Hance Camp	0.069	0.073	0.072	0.072	0.076	0.071	0.070	0.079	0.071	0.072	0.073	0.073	0.072	0.073
		Navajo Generating Station **			0.063		0.065	0.063	0.059							
GILA																
	04-007-9993	Rye - 1997-1999 only			0.056	0.065	0.080									
	04-007-0010	Tonto National Monument ** -began 2002								0.087			0.067			
GRAHAM	No sites															
LA PAZ	No sites															
MARICOPA																
	04-013-9804	Arrowhead			0.059											
	04-013-9702	Blue Point			0.083	0.089	0.067	0.087	0.080	0.086			0.086	0.087	0.084	0.084
	04-013-4008	Cave Creek							0.083	0.086						
	04-013-3002	Central Phoenix	0.085	0.076	0.077	0.079	0.078	0.076	0.075	0.076	0.079	0.077	0.078	0.077	0.076	0.075
	04-013-1010	Falcon Field			0.081	0.083	0.082	0.075	0.081	0.084			0.082	0.080	0.079	0.080
	04-013-9704	Fountain Hills			0.088	0.086	0.086	0.085	0.083	0.086			0.085	0.085	0.084	0.084
	04-013-2001	Glendale	0.080	0.072	0.076	0.070	0.081	0.081	0.078	0.083	0.076	0.072	0.075	0.077	0.080	0.080
	04-013-9508	Humboldt Mt.			0.081	0.090	0.086	0.082	0.085	0.090			0.085	0.086	0.084	0.085
	04-013-9805	Lake Pleasant - closed 6/01/01				0.082	0.081	0.082	0.073					0.081	0.078	
	04-013-3006	Maryvale			0.076	0.086	0.077	0.080	0.073	0.084			0.080	0.081	0.076	0.079
	04-013-1003	Mesa	0.092	0.090	0.084	0.080	0.083	0.075	0.074	0.072	0.088	0.084	0.082	0.079	0.077	0.073
	04-013-9701	Mt. Ord - closed 10/30/01			0.084	0.088	0.087	0.090	0.077				0.086	0.088	0.084	
	04-013-1004	North Phoenix	0.092	0.095	0.091	0.089	0.084	0.086	0.086	0.085	0.092	0.091	0.089	0.086	0.085	0.085
	04-013-9993	Palo Verde		0.071	0.077	0.080	0.080	0.080	0.074	0.078		0.076	0.079	0.080	0.076	0.077
	04-013-3004	Emergency Management - closed 6/01/01			0.085	0.081	0.086	0.070	0.063				0.084	0.079	0.073	
	04-013-9997	JLG Supersite		0.087	0.079	0.079	0.046	0.076	0.079	0.076		0.081	0.086	0.087	0.067	0.077
	04-013-2005	Pinnacle Peak	0.091	0.091	0.082	0.086	0.083	0.086	0.085	0.084	0.089	0.086	0.083	0.085	0.084	0.085
	04-013-9706	Rio Verde			0.085	0.079	0.086	0.086	0.083	0.085			0.083	0.083	0.085	0.084
	04-013-9707	Roosevelt			0.084											
	04-013-9994	Salt River-Pima Indian Reservation	0.092	0.092	0.082	0.087	0.082				0.088	0.087	0.083			
	04-013-4003	South Phoenix - new site					0.083	0.083	0.076	0.081					0.074	0.080
	04-013-0013	South Phoenix - old site	0.084	0.091	0.075	0.080	0.075				0.083	0.082	0.076			
	04-013-3003	South Scottsdale	0.089	0.087	0.076	0.078	0.072	0.080	0.078	0.077	0.084	0.080	0.075	0.076	0.077	0.078
	04-013-4007	Surprise							0.071	0.079						0.075
	04-013-4005	Tempe						0.078	0.079	0.080						0.079
	04-013-9998	VEI	0.092	0.080												
	04-013-4004	West Chandler - new site						0.077	0.078	0.083						0.079
	04-013-3009	West Chandler - old site			0.077	0.074	0.069	0.074					0.073	0.072		
	04-013-0019	West Phoenix	0.084	0.081	0.078	0.086	0.091	0.081	0.075	0.084	0.081	0.081	0.085	0.086	0.082	0.080
MOHAVE																
	No Sites															
NAVAJO																
	04-017-1119	Petrified Forest National Park								0.055						
PIMA																
	04-019-0021	Saguaro National Park - East	0.083	0.076	0.079	0.076	0.069	0.074	0.066	0.077	0.079	0.077	0.074	0.073	0.069	0.072
	04-019-1028	Tucson - Children's Park			0.065	0.072	0.071	0.077	0.069	0.073			0.069	0.073	0.072	0.073
	04-019-1011	Tucson - 22nd & Craycroft	0.080	0.077	0.077	0.073	0.071	0.075	0.069	0.075	0.078	0.075	0.073	0.073	0.071	0.073
	04-019-0002	Tucson - Downtown	0.070	0.069	0.065	0.062	0.084	0.067	0.065	0.072	0.068	0.065	0.063	0.064	0.065	0.068
	04-019-1020	Tucson - Fairgrounds	0.076	0.070	0.065	0.071	0.068	0.074	0.066	0.072	0.070	0.068	0.068	0.071	0.069	0.070
	04-019-0019	Tucson - N. Pomona	0.080	0.074												
	04-019-1024	Tucson - N. Sabino Canyon Rd.	0.062	0.065												
	04-019-1018	Tucson - Tangerine	0.074	0.071	0.070	0.070	0.073	0.073	0.067	0.075	0.071	0.070	0.071	0.072	0.071	0.071
PINAL																
		Apache Junction **	0.091	0.085	0.082	0.082	0.080	0.082	0.078	0.080	0.086	0.083	0.081	0.081	0.080	0.080
		Casa Grande **	0.071	0.079	0.072	0.068	0.078	0.085	0.074	0.078	0.074	0.073	0.072	0.077	0.079	0.079
		Combs - began 07/02/02 **								0.069						
		Maricopa - began 07/05/02 **								0.068						
		Pinal Air Park - began 07/05/02 **								0.070						
	04-021-8001	Queen Valley - began 2001							0.079	0.083						
SANTA CRUZ																
	No sites															
YAVAPAI																
	04-025-0005	Hillside		0.085	0.076	0.083	0.084	0.083	0.076	0.089		0.081	0.081	0.083	0.081	0.082
YUMA																
	04-027-0003	Yuma	0.073	0.083												
	04-027-0005	Yuma			0.079	0.089	0.079	0.080	0.068				0.082	0.076	0.069	

8- Hour Ozone Exceedances - Summary
1995-2002
Number of exceedances at each monitor

COUNTY	AQS ID	SITE		1995	1996	1997	1998	1999	2000	2001	2002
APACHE											
	No sites										
COCHISE											
	04-003-8001	Chiricahua Natl Monument		0	0	0	0	0	0	0	0
			Total	0	0	0	0	0	0	0	0
COCONINO											
	04-005-2003	Grand Canyon Nat Park		0							
	04-005-8001	Grand Canyon Natl Park - Hance Camp		0	0	0	0	0	0	0	0
	N/A	Navajo Generating Station **				0		0	0	0	
			Total	0	0	0	0	0	0	0	0
GILA											
	04-007-9993	Rye				0	0	0			
	04-007-0010	Tonto National Monument **									5
			Total			0	0	0			5
GRAHAM	No sites										
LA PAZ	No sites										
MARICOPA											
	04-013-9604	Arrowhead				0					
	04-013-9702	Blue Point				0	16	6	10	1	5
	04-013-4008	Cave Creek								2	4
	04-013-3002	Central Phoenix		4	0	2	1	1	1	0	1
	04-013-1010	Falcon Field				1	2	0	0	2	3
	04-013-9704	Fountain Hills				5	6	5	4	3	5
	04-013-2001	Glendale		1	1	0	0	0	1	2	2
	04-013-9508	Humboldt Mt.				1	10	7	2	4	8
	04-013-9805	Lake Pleasant - closed 6/01/01					2	0	2	0	
	04-013-3006	Maryvale				1	4	1	1	0	3
	04-013-1003	Mesa		13	5	3	1	3	1	0	0
	04-013-9701	Mt. Ord - closed 10/30/01				3	8	6	8	0	
	04-013-1004	North Phoenix		10	13	9	10	3	4	4	5
	04-013-9993	Palo Verde			0	1	1	0	1	0	1
	04-013-3004	Emergency Management - closed 6/01/01				4	0	6	0	0	
	04-013-9997	JLG Supersite			6	1	1	0	1	1	2
	04-013-2005	Pinnacle Peak		5	5	1	7	3	5	4	3
	04-013-9706	Rio Verde				4	3	6	5	0	4
	04-013-9707	Roosevelt				3					
	04-013-9994	Salt River-Pima Indian Reservation		8	12	3	7	2			
	04-013-4003	South Phoenix - new site						0	3	1	2
	04-013-0013	South Phoenix - old site		2	7	1	1	0			
	04-013-3003	South Scottsdale		7	8	1	0	0	1	1	1
	04-013-4007	Surprise								0	0
	04-013-4005	Tempe							1	1	2
	04-013-9998	VEI		6	2						
	04-013-4004	West Chandler - new site							1	1	2
	04-013-3009	West Chandler - old site				0	0	0	0		
	04-013-0019	West Phoenix		0	2	1	7	4	1	0	2
			Total	56	61	45	86	53	53	27	55
MOHAVE											
	No Sites										
NAVAJO											
	04-017-1119	Petrified Forest National Park									0
											0
PIMA											
	04-019-0021	Saguaro National Park - East		2	0	0	0	1	0	0	0
	04-019-1026	Tucson - Children's Park				0	0	1	0	0	1
	04-019-1011	Tucson - 22nd & Craycroft		1	0	1	0	1	0	0	1
	04-019-0002	Tucson - Downtown		0	0	0	0	0	0	0	0
	04-019-1020	Tucson - Fairgrounds		0	0	0	0	0	0	0	0
	04-019-0019	Tucson - N. Pomona		1	0						
	04-019-1024	Tucson - N. Sabino Canyon Rd.		0	0						
	04-019-1018	Tucson - Tangerine		0	0	0	0	0	0	0	1
			Total	4	0	1	0	3	0	0	3
PINAL											
	N/A	Apache Junction **		8	6	0	2	2	1	0	0
	N/A	Casa Grande **		0	1	0	0	0	5	0	0
	N/A	Combs - began 07/02/02 **									0
	N/A	Maricopa - began 07/05/02 **									0
	N/A	Pinal Air Park - began 07/05/02 **									0
	04-021-8001	Queen Valley								0	1
			Total	8	7	0	2	2	6	0	1
SANTA CRUZ											
	No sites										
YAVAPAI											
	04-025-0005	Hillside			4	0	3	3	1	0	4
			Total		4	0	3	3	1	0	4
YUMA											
	04-027-0003	Yuma		0	1						
	04-027-0005	Yuma				0	5	1	0	0	
			Total	0	1	0	5	1	0	0	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1			Dates of Occurrence 1995-2002																								
2																											
3	All 8-hour averages .085 ppm or greater are listed for each monitor in rank																										
4	order of highest to lowest for each year.																										
5	None = no averages >= .085																										
6	N/A = no sampling occurred for that year																										
7																											
8	COUNTY	AQS ID	SITE		1995			1996			1997			1998			1999			2000			2001			2002	
9				Value	Date	Hour	Value	Date	Hour	Value	Date	Hour	Value	Date	Hour	Value	Date	Hour	Value	Date	Hour	Value	Date	Hour	Value	Date	Hour
10	APACHE																										
11		No sites																									
12																											
13	COCHISE																										
14		04-003-8001	Chiricahua Natl Monument																								
15				None			None			None			None			None			None			None			None		
16																											
17	COCONINO																										
18		04-005-2003	Grand Canyon Nat Park	None			None			None			None			None			None			None			None		
19		04-005-8001	Grand Canyon Natl Park - Hance Camp	None			None			None			None			None			None			None			None		
20		N/A	Navajo Generating Station **	None			None			None			None			None			None			None			None		
21																											
22	GILA																										
23		04-007-9993	Rye - began 1997, closed 2000	N/A			N/A			None			None			None			Closed			Closed			Closed		
24																											
25		04-007-0010	Tonto National Monument - began 2002	N/A			N/A						N/A			N/A			N/A			N/A			0.091	7/15	1300
26																									0.088	7/13	1100
27																									0.089	6/6	1400
28																									0.087	6/7	1300
29																									0.086	6/4	1500
30																											
31																											
32	GRAHAM	No sites																									
33	LA PAZ	No sites																									
34																											
35	MARICOPA																										
36		04-013-9604	Arrowhead - 1997 only				N/A			None			Closed			Closed			Closed			Closed			Closed		
37																											
38		04-013-9702	Blue Point - began 1997				N/A			None			0.093	8/25	1200	0.092	6/26	1200	0.090	8/01	1200	0.085	8/15	1300	0.091	6/06	1200
39													0.092	7/27	1200	0.090	5/27	1100	0.090	8/14	1200				0.089	7/12	1200
40													0.090	5/23	1200	0.089	5/06	1200	0.088	8/09	1100				0.088	6/07	1100
41													0.089	7/28	1100	0.087	5/28	1200	0.087	8/15	1300				0.088	7/13	900
42													0.088	8/18	1200	0.086	5/17	1200	0.086	5/13	1200				0.085	7/24	1100
43													0.088	8/17	1200	0.085	5/24	1100	0.086	5/20	1100						
44													0.087	5/22	1100				0.086	8/04	1100						
45													0.087	7/16	1200				0.085	4/26	1100						
46													0.087	8/06	1200				0.085	5/02	1100						
47													0.086	5/24	1200				0.085	8/05	1100						
48													0.086	8/23	1400												
49													0.086	7/11	1100												
50													0.086	6/14	1000												
51													0.085	8/30	1200												
52													0.085	8/07	1100												
53													0.085	4/30	1200												
54																											
55		04-013-4008	Cave Creek - began 2001	N/A			N/A			N/A			N/A			N/A			N/A			0.089	8/10	1300	0.090	6/05	1200
56																						0.085	8/06	1100	0.089	6/07	1100
57																									0.088	6/06	1000
58																									0.085	7/09	1400
59																											
60		04-013-3002	Central Phoenix	0.088	8/09	1100	None			0.084	6/18	1200	0.087	7/17	1100	0.088	8/17	1000	0.088	8/10	1200	None			0.088	7/11	1100
61				0.086	8/31	1000				0.085	6/08	1100															
62				0.085	8/29	1100																					
63				0.085	9/01	1000																					
64																											
65		04-013-1010	Falcon Field							0.086	6/18	1100	0.090	8/25	1100	None			None			0.089	8/19	1100	0.093	7/12	1100
66													0.085	8/28	1000							0.085	8/15	1100	0.092	7/24	1000
67																									0.086	6/07	1100
68																											
69		04-013-9704	Fountain Hills							0.092	6/18	1300	0.094	8/25	1200	0.089	5/26	1100	0.089	5/20	1200	0.087	8/17	1100	0.092	6/06	900
70										0.089	6/06	1100	0.093	7/27	1100	0.089	6/08	1200	0.089	8/05	1200	0.086	8/09	1300	0.092	7/12	1100
71										0.089	5/17	900	0.088	5/23	1200	0.088	5/27	1100	0.089	8/14	1200	0.085	8/15	1200	0.091	6/05	1200
72										0.088	9/06	1100	0.086	5/24	1100	0.086	5/28	1200	0.086	8/01	1100				0.085	6/04	1100
73										0.086	9/07	1100	0.088	8/23	1100	0.085	8/24	1000							0.086	6/07	1000
74													0.085	7/15	1100												
75		04-013-2001	Glendale	0.087	6/12	1000	0.085	5/11	1100	None			None			None			0.088	8/10	1100	0.092	8/06	1100	0.094	7/09	1100
76																						0.085	7/12	1100	0.088	7/11	1100
77																											
78		04-013-9508	Humboldt Mt							0.086	6/09	1400	0.084	6/05	1700	0.091	6/06	1500	0.086	5/13	1500	0.087	6/06	1300	0.102	7/12	1200
79													0.090	6/06	0	0.088	5/17	1700	0.085	7/30	1700	0.086	6/15	1400	0.091	6/05	1500
80													0.090	6/18	1300	0.086	4/21	1100				0.085	8/10	1400	0.090	6/03	2300
81													0.090	8/05	1500	0.086	5/15	2300				0.085	8/16	1500	0.090	6/8	1200
82													0.089	5/24	2100	0.086	5/20	1500							0.090	6/19	1300
83													0.087	8/25	0	0.086	9/27	1200							0.089	6/04	0
84													0.087	8/06	1300	0.085	5/16	0							0.089	6/07	1100
85													0.086	5/24	1300										0.086	6/17	2200
86													0.086	7/16	1400												
87													0.085	4/30	1300												
88																											
89																											
90																											
91		04-013-9805	Lake Pleasant										0.088	7/16	1200	None			0.09	7/31	1100		closed 6/01/01				
92													0.085	6/18	1300				0.089	8/10	1400						
93																											
94		04-013-3006	Maryvale							0.085	6/16	1100	0.098	7/17	1100	0.085	8/17	1100	0.091	8/10	1200	None			0.107	7/09	1100
95													0.090	8/28	1100										0.095	7/11	1200
96													0.089	5/24	1000												
97													0.086	5/23	1100												
98																									0.094	7/10	1100
99		04-013-1003	Mesa	0.096	8/31	1000	0.099	4/29	1100	0.091	6/18	1200	0.089	7/17	1100	0.096	8/24	1100	0.089	8/14	1100	None					
100				0.094	8/29	1100	0.098	5/11	1100	0.087	6/18	1100				0.089	8/17	1100							None		
101				0.092	6/10	1100	0.095	5/21	1000	0.085	6/08	1200				0.085	8/25	1100									
102				0.092	7/28	1100	0.090	6/01	1100																		
103				0.092	8/12	1000	0.088	7/23	1100																		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
104				0.092	8/01	1000																					
105				0.090	8/08	900																					
106				0.089	8/02	1000																					
107				0.087	8/28	1100																					
108				0.085	7/06	1000																					
109				0.085	7/10	1100																					
110				0.085	8/23	1100																					
111				0.085	7/17	1000																					
112																											
113		04-013-9701	Mt. Ord																								
114										0.086	6/16	1800	0.092	6/18	1700	0.093	6/06	1600	0.091	7/30	1500	None	closed 10/30/01				
115										0.086	8/06	1500	0.090	5/22	1200	0.090	5/26	1400	0.090	8/01	1300						
116										0.085	5/28	1800	0.089	5/23	1600	0.088	6/12	1400	0.090	9/02	1200						
117													0.088	6/24	1500	0.087	4/21	1300	0.090	8/05	1200						
118													0.088	8/05	1600	0.086	5/24	1300	0.086	8/03	1300						
119													0.085	6/24	2000	0.086	8/27	1400	0.085	8/04	2300						
120																			0.086	8/14	1800						
121																			0.085	5/20	1600						
122																											
123		04-013-1004	North Phoenix	0.097	8/09	1100	0.106	7/26	1200	0.094	6/16	1100	0.095	7/27	1000	0.089	8/24	1000	0.091	8/10	1200	0.093	8/06	1100	0.093	7/09	1100
124				0.098	8/31	1000	0.102	6/11	1100	0.092	6/09	1100	0.094	7/17	1000	0.087	7/22	1100	0.087	5/21	1000	0.097	8/19	1200	0.089	7/11	1100
125				0.095	8/12	1000	0.098	8/28	1000	0.091	8/16	1000	0.090	8/28	1100	0.087	8/22	1000	0.086	5/20	1100	0.096	7/02	1000	0.088	7/12	900
126				0.092	8/29	1100	0.095	5/21	1000	0.091	9/07	1000	0.089	5/24	1000				0.086	6/24	1000	0.096	7/12	1000	0.085	8/06	1100
127				0.091	8/10	1100	0.090	6/03	1000	0.089	6/08	1000	0.089	8/23	1000										0.085	6/07	1100
128				0.087	7/07	1000	0.090	7/31	1000	0.087	8/18	1100	0.087	7/26	1000												
129				0.087	8/01	1000	0.089	7/30	1000	0.086	8/26	1100	0.087	8/05	1100												
130				0.087	8/10	900	0.087	6/01	1100	0.085	5/16	1100	0.087	8/30	1100												
131				0.087	8/01	1000	0.087	6/02	1000	0.085	9/05	1100	0.086	5/23	1100												
132				0.085	6/09	1100	0.087	7/15	1300				0.085	8/25	1000												
133							0.086	5/10	1100																		
134							0.086	5/12	900																		
135							0.085	6/6	1100																		
136																											
137																											
138		04-013-9983	Palo Verde				None			0.091	9/04	900	0.091	7/17	1100	None			0.095	7/31	1100	None			0.085	7/10	1100
139																											
140		04-013-3004	Emergency Management - closed 6/01/01							0.099	6/16	1200	None			0.097	8/17	1100	None			None	Closed 6/01/01		Closed		
141										0.090	6/18	800				0.094	8/24	1100									
142										0.088	9/07	1000				0.088	7/19	1100									
143										0.085	5/16	1100				0.086	7/15	1200									
144																0.085	5/28	1100									
145																0.085	6/06	1100									
146																											
147		04-013-9997	JLG Superstu				0.095	5/11	1000	0.089	6/16	1100	0.088	7/17	1100	None			0.093	8/10	1200	0.086	8/08	1100	0.093	7/09	1100
148							0.093	7/28	1200																0.089	7/11	1100
149							0.089	7/28	1200																		
150							0.087	5/21	1000																		
151							0.086	7/30	1000																		
152							0.085	8/03	900																		
153																											
154		04-013-2005	Pinnacle Peak	0.087	8/29	1200	0.099	5/21	1200	0.085	8/07	800	0.095	7/27	1100	0.090	8/23	1100	0.092	8/14	1200	0.095	8/10	1300	0.089	7/12	1100
155				0.096	7/28	1100	0.094	6/01	1100				0.089	8/03	1100	0.088	8/24	1000	0.088	8/05	1100	0.088	8/08	1300	0.086	8/06	1100
156				0.095	8/09	1400	0.094	6/02	1100				0.087	8/25	1100	0.087	6/08	1300	0.087	8/09	1100	0.087	8/17	1100	0.085	7/15	1100
157				0.091	8/31	1200	0.091	7/26	1300				0.086	8/14	1100				0.086	7/31	1200	0.085	8/06	1100			
158				0.089	8/10	1000	0.086	6/06	1100				0.085	7/17	1100				0.085	9/16	1500						
159													0.085	8/05	1400												
160													0.085	8/06	1200												
161																											
162		04-013-9706	Rio Verde							0.091	6/17	1100	0.089	5/22	1100	0.092	5/26	1100	0.089	8/14	1200	None			0.089	6/06	1100
163										0.087	8/06	1100	0.088	5/23	1100	0.088	6/08	1200	0.087	5/20	1200				0.088	6/07	1200
164										0.085	6/16	1300	0.088	5/24	1200	0.088	5/27	1000	0.086	8/01	1100				0.085	6/04	1100
165										0.085	8/07	1200				0.088	5/28	1200	0.086	8/09	1200				0.085	6/05	1200
166																0.086	8/23	1100	0.085	7/31	1200						
167																0.085	8/13	1100									
168																											
169		04-013-9707	Roosevelt							0.090	8/06	1600	Closed			Closed			Closed			Closed			Closed		
170										0.087	8/16	1600															
171										0.087	6/17	1400															
172																											
173		04-013-9994	Salt River-Pima Indian Reservation	0.094	9/01	1100	0.100	5/11	1100	0.097	6/18	1100	0.090	5/23	1100	0.085	6/06	1100				Closed			Closed		
174				0.092	7/06	1000	0.096	5/21	1000	0.088	6/16	1200	0.089	5/24	1100	0.085	8/24	1000									
175				0.092	8/08	1000	0.094	7/30	1100	0.088	9/07	1000	0.088	7/17	1100												
176				0.092	8/29	1200	0.092	6/01	1100				0.087	7/27	1000												
177				0.087	8/12	1100	0.091	6/03	800				0.087	8/25	1100												
178				0.088	7/10	1100	0.090	6/06	1100				0.086	8/23	1100												
179				0.086	7/28	1100	0.090	7/23	1100				0.085	8/17	1100												
180				0.085	8/30	800	0.087	5/12	900																		
181							0.086	7/31	800																		
182							0.085	6/02	1000																		
183							0.085	8/28	1000																		
184							0.085	7/29	1100																		
185																											
186		04-013-4003	South Phoenix - new site - began 2000	N/A			N/A			N/A			N/A			None			0.086	5/19	1100	0.086	8/11	1000	0.090	7/11	1000
187																			0.086	5/20	1000				0.086	7/10	1100
188																			0.085	8/24	1100						
189																											
190		04-013-0013	South Phoenix - old site closed 2000	0.097	8/31	1000	0.098	5/11	1000	0.088	6/16	1200	0.089	7/17	1100	None			Closed			Closed			Closed		
191				0.087	8/10	1100	0.097	7/26	1200																		
192							0.084	5/21	1100																		
193							0.091	4/29	1100																		
194							0.087	6/01	1000																		
195							0.087	6/02	1000																		
196							0.087	6/06	1100																		
197																											
198		04-013-3003	South Scottsdale	0.098	8/31	1000	0.098	5/11	1000	0.087	6/16	1100	None			None			0.087	8/10	1300	0.088	8/10	1200	0.087	7/12	1000
199				0.090	8/09	1100	0.092	7/30	1000																		
200				0.089	7/28	1000	0.091	5/21	1000																		
201				0.089	8/08	1000	0.087	6/01	1000																		
202				0.089	8/01	1100	0.087	6/02	1000																		
203				0.086	8/29	1000	0.088	5/12	800																		
204				0.085	8/12	1000	0.085	7/23	900																		
205							0.085	7/31	1000																		
206																											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
207		04-013-4007	Surprise																								
208																						None			None		
209		04-013-4005	Tempe																								
210																			0.086	8/16	1000	0.086	8/11	1000	0.086	7/12	1100
211																									0.085	7/11	1000
212		04-013-9998	VEI	0.099	6/09	1100	0.094	5/11	1000																		
213				0.093	6/29	1100	0.089	5/21	1100													Closed			Closed		
214				0.093	8/31	1000																					
215				0.092	9/01	900																					
216				0.091	6/10	1100																					
217				0.085	8/12	1000																					
218																											
219		04-013-4004	West Chandler - new site	N/A			N/A			N/A			N/A			N/A			0.089	8/16	1100	0.086	8/11	900	0.094	7/10	1000
220																									0.085	7/11	1000
221																											
222		04-013-3008	West Chandler - old site	N/A			N/A			None			None			None			None			Closed			Closed		
223																											
224		04-013-0019	West Phoenix	None			0.088	5/21	1100	0.090	6/16	1100	0.103	7/17	1000	0.089	10/17	1000	0.087	8/10	1100	None			0.102	7/11	900
225							0.086	5/11	1000				0.093	5/24	1000	0.092	8/17	1100							0.100	7/09	1100
226													0.093	8/26	1100	0.092	10/16	1100									
227													0.086	7/10	1000	0.091	10/12	900									
228													0.088	7/26	1000												
229													0.085	5/23	1100												
230													0.085	7/27	1000												
231																											
232	MOHAVE																										
233		No Sites																									
234																											
235	NAVAJO																										
236		04-017-1118	Petrified Forest National Park	N/A			N/A			N/A			N/A			N/A			N/A			N/A			None		
237																											
238	PIMA																										
239		04-019-0021	Saguaro National Park - East	0.092	6/10	1100	None			None			None			0.085	5/27	1200	None			None			None		
240				0.087	7/28	1000																					
241																											
242		04-019-1028	Tucson - Children's Park				N/A			None			None			0.085	5/27	1100	None			None			0.085	6/08	1100
243																											
244		04-019-1011	Tucson - 22nd & Craycroft	0.089	8/01	1000	None			0.085	6/17	1100	None			0.085	5/27	1100	None			None			0.085	6/06	1100
245																											
246		04-019-0002	Tucson - Downtown	None			None			None			None			None			None			None			None		
247																											
248		04-019-1020	Tucson - Fairgrounds	None			None			None			None			None			None			None			None		
249																											
250		04-019-0019	Tucson - N. Pomona	0.085	8/01	1000	None			Closed			Closed			Closed			Closed			Closed			Closed		
251																											
252		04-019-1024	Tucson - N. Sabino Canyon Rd.	None			None			Closed			Closed			Closed			Closed			Closed			Closed		
253																											
254		04-019-1018	Tucson - Tangerine	None			None			None			None			None			None			None			0.090	6/08	1100
255																											
256																											
257	PINAL																										
258		N/A	Apache Junction **													0.091	8/25	1200	0.087	8/09	1200	None			None		
259																0.089	7/28	1100									
260																											
261		N/A	Casa Grande **													None			0.087	8/16	1100	None			None		
262																			0.088	5/19	1200						
263																			0.086	5/01	1200						
264																			0.085	5/12	1100						
265																			0.085	5/13	1100						
266																											
267																											
268		N/A	Combs - began 07/02/02 **							N/A			N/A			N/A			N/A			N/A			None		
269																											
270		N/A	Maricopa - began 07/05/02 **							N/A			N/A			N/A			N/A			N/A			None		
271																											
272		N/A	Pinal Air Park - began 07/05/02 **							N/A			N/A			N/A			N/A			N/A			None		
273																											
274		04-021-8001	Queen Valley - began 2001							N/A			N/A			N/A			N/A			None			0.085	6/06	1100
275																											
276	SANTA CRUZ																										
277		No sites																									
278																											
279	YAVAPAI																										
280		04-025-0005	Hillside	N/A			0.093	5/21	1600	None			0.087	6/27	2300	0.088	5/15	2000	0.066	6/01	100	None			0.092	6/27	2100
281							0.090	5/20	1300				0.086	8/24	1200	0.088	5/18	0							0.090	8/17	2100
282							0.095	5/31	2000				0.095	6/28	0	0.095	5/14	1500							0.090	5/19	0
283							0.095	6/01	0																0.089	5/28	0
284																											
285	YUMA																										
286		04-027-0003	Yuma - closed 1997	None			0.085	5/12	1000	Closed						Closed			Closed			Closed			Closed		
287																											
288		04-027-0005	Yuma - began 1997	N/A			N/A			None			0.085	6/28	1000	0.087	5/28	900	None			None			Inactive		
289													0.090	8/15	800												
290													0.089	5/23	1100												
291													0.089	6/27	1100												
292													0.085	6/24	1200												
293																											
294																											
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1			Exceedances by Date of Occurrence																									
2			1995-2002																									
3																												
4																												
5																												
6																												
7	COUNTY	AQS ID	SITE	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1996	1996	1996	1996	1998
8				5/9	5/10	5/12	7/6	7/7	7/10	7/17	7/28	8/1	8/2	8/8	8/9	8/10	8/12	8/23	8/28	8/29	8/30	8/31	9/1	4/29	5/10	5/11	5/12	5/20
9	APACHE																											
10		No sites																										
11																												
12	COCHISE																											
13		04-003-8001	Chiricahua Natl Monument																									
14																												
15																												
16	COCONINO																											
17		04-005-2003	Grand Canyon Nat Park																									
18		04-005-8001	Grand Canyon Natl Park - Hance Camp																									
19		N/A	Navajo Generating Station **																									
20																												
21																												
22	GILA																											
23		04-007-9993	Rye																									
24		04-007-0010	Tonto National Monument **																									
25																												
26	GRAHAM	No sites																										
27	LA PAZ	No sites																										
28																												
29	MARICOPA																											
30		04-013-9804	Arrowhead																									
31		04-013-9702	Blue Point																									
32		04-013-4008	Cave Creek																									
33		04-013-3002	Central Phoenix																									
34		04-013-1010	Falcon Field												0.089													
35		04-013-9704	Fountain Hills																	0.085		0.088	0.085					
36		04-013-2001	Glendale																									
37		04-013-9508	Humboldt Mt.			0.087																						
38		04-013-9906	Lake Pleasant - closed 6/01/01																							0.085		
39		04-013-3006	Maryvale																									
40		04-013-1003	Mesa																									
41		04-013-9701	Mt. Ord - closed 10/30/01		0.092		0.086		0.085	0.085	0.092		0.089	0.080			0.092	0.085	0.087	0.094		0.096	0.092	0.099		0.099		
42		04-013-1004	North Phoenix																									
43		04-013-8993	Palo Verde	0.086	0.091	0.095		0.097				0.087			0.097	0.087				0.092		0.096	0.087		0.086	0.102	0.086	
44		04-013-3004	Emergency Management - closed 6/01/01																									
45		04-013-8997	JLG Superstite																									
46		04-013-2005	Pinnacle Peak																									
47		04-013-9706	Rio Verde								0.096				0.096	0.089				0.097		0.091				0.095		
48		04-013-9707	Roosevelt																									
49		04-013-9994	Salt River-Pima Indian Reservation				0.092		0.086		0.086			0.092			0.087			0.092	0.086		0.094			0.100	0.087	
50		04-013-4003	South Phoenix - new site																									
51		04-013-0013	South Phoenix - old site		0.087																							
52		04-013-3003	South Scottsdale																			0.097		0.091		0.098		
53		04-013-4007	Surprise								0.089			0.089	0.090		0.085			0.086		0.098	0.089			0.098	0.086	
54		04-013-4005	Tempe																									
55		04-013-8998	VEI		0.091																							
56		04-013-4004	West Chandler - new site												0.099		0.085			0.093		0.093	0.092			0.094		
57		04-013-3008	West Chandler - old site																									
58		04-013-0019	West Phoenix																									
59																												
60	MOHAVE																									0.086		
61		No Sites																										
62																												
63	NAVAJO																											
64		04-017-1119	Petrified Forest National Park																									
65																												
66	PIMA																											
67		04-019-0021	Saguaro National Park - East		0.092																							
68		04-019-1028	Tucson - Children's Park								0.087																	
69		04-019-1011	Tucson - 22nd & Craycroft																									
70		04-019-0002	Tucson - Downtown																			0.089						
71		04-019-1020	Tucson - Fairgrounds																									
72		04-019-0019	Tucson - N. Pomona																			0.095						
73		04-019-1024	Tucson - N. Sabino Canyon Rd.																									
74		04-019-1018	Tucson - Tangerine																									
75																												
76																												
77	PINAL																											
78		N/A	Apache Junction **																									
79		N/A	Casa Grande **																									
80		N/A	Combs - began 07/02/02 **																									
81		N/A	Maricopa - began 07/05/02 **																									
82		N/A	Pinal Air Park - began 07/05/02 **																									
83		04-021-8001	Queen Valley																									
84																												
85	SANTA CRUZ																											
86		No sites																										
87																												
88	YAVAPAI																											
89		04-025-0005	Hillside																									
90																												
91	YUMA																											0.090
92		04-027-0003	Yuma																									
93		04-027-0005	Yuma																								0.085	
94																												
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101																												
102																												
103																												

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG
7	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1998	1999
8	5/21	5/31	6/1	6/2	6/3	6/6	7/15	7/23	7/26	7/28	7/29	7/30	7/31	8/28	5/16	5/28	6/8	6/9	6/16	6/17	6/18	8/6	8/7	8/9	8/25	9/4	9/5	9/7	9/8	4/30	5/22
9																															
33																														0.085	0.087
34																	0.085		0.084												
35																					0.086										
36																			0.092	0.088		0.088									
37																												0.086	0.089		
38																								0.085							
39																														0.085	
40	0.095		0.090					0.088											0.085												
41																	0.085		0.091		0.087										
42	0.095		0.087	0.087	0.090	0.085	0.087		0.108			0.089	0.090	0.096	0.085	0.085			0.086			0.086									
43																	0.088	0.092	0.094		0.087	0.091			0.086		0.085	0.091			0.090
44																										0.091					
45	0.087				0.085				0.089	0.093		0.086			0.085				0.098		0.090										
46	0.099		0.084	0.084		0.086			0.091										0.088									0.088			
47																							0.085								
48																			0.085	0.091		0.087						0.085			0.089
49	0.098		0.092	0.095	0.091	0.090		0.090			0.086	0.094	0.086	0.085					0.087	0.087		0.090									
50																			0.086		0.087							0.086			
51	0.094		0.087	0.087		0.087			0.097						0.089																
52	0.091		0.087	0.087				0.085				0.092	0.085						0.097												
53																															
54																															
55	0.089																														
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58	0.089																														
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88																															
89	0.093	0.085	0.085																												
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	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
7	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1999
8	5/23	5/24	5/5	6/6	6/14	6/15	6/18	6/24	6/25	6/27	6/28	7/10	7/11	7/15	7/16	7/17	7/28	7/27	7/28	8/3	8/5	8/6	8/7	8/14	8/17	8/23	8/25	8/26	8/28	8/30	4/21
31	0.090	0.086			0.086		0.089																								
32													0.086	0.087				0.092	0.089	0.085		0.087	0.085		0.089	0.086	0.093				
33																0.087															
35	0.088	0.086																													
36														0.086				0.093									0.090		0.085		
37		0.085	0.094	0.090			0.090	0.088	0.087																	0.088	0.094				
38							0.085								0.086						0.090	0.087									
39	0.086	0.089													0.088																0.086
40																0.088															
41	0.089	0.088	0.088				0.092	0.085								0.089													0.090		
42	0.088	0.089																													
43																0.084	0.087	0.085			0.087					0.089	0.085		0.090	0.087	0.087
44																0.091															
46																0.088															
47	0.089	0.088														0.085		0.085		0.089	0.085	0.085		0.088			0.087				
48																															
49	0.090	0.089																													
50																0.088		0.087													
51																									0.085	0.086	0.087				
52																0.089															
58	0.085	0.093																													
59												0.086				0.103	0.088	0.085													
60																													0.093		
90								0.086		0.087	0.085																				
93	0.089					0.090		0.085			0.095																				

	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ
1																															
2																															
3																															
4																															
5																															
6																															
7	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	2000	2000	2000	2000	2000	2000
8	5/14	5/15	5/16	5/17	5/20	5/24	5/26	5/27	5/28	6/5	6/12	6/13	7/15	7/19	7/22	7/28	8/17	8/22	8/23	8/24	8/25	9/27	10/12	10/16	10/17	4/26	5/1	5/2	5/12	5/13	5/19
9																															
10																															
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28																															
29																															
30																															
31				0.086		0.085	0.092	0.090	0.087	0.088																					
32																															
33																															
34																										0.085		0.085		0.086	
35																	0.088														
36							0.090	0.088	0.086	0.089																					
37		0.086	0.085	0.088	0.086															0.085											
38										0.091																					
39																						0.086									
40																														0.086	
41																	0.085														
42						0.086	0.090			0.093	0.088						0.089			0.086	0.085										
43															0.087			0.087				0.086									
44																				0.089											
45							0.085			0.085			0.086	0.088			0.097														
46																				0.094											
47										0.087																					
48							0.092	0.086	0.086	0.089		0.085							0.090	0.088											
49																			0.086												
50										0.085																					
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60																	0.092						0.081	0.092	0.099						
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81																											0.086		0.085	0.085	0.086
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	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV
7	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2002	2002
8	5/20	5/21	6/1	7/30	7/31	8/1	8/2	8/3	8/4	8/5	8/9	8/10	8/14	8/15	8/16	8/24	9/16	6/5	6/15	7/2	7/12	8/6	8/9	8/10	8/11	8/15	8/16	8/17	8/19	6/3	6/4
26																															0.086
31	0.088					0.090			0.086	0.085	0.088		0.090	0.087																	
33												0.088										0.085		0.099		0.085					
35	0.089					0.085				0.089			0.088													0.085			0.089		
36												0.088											0.086			0.085		0.087			
37				0.085																	0.085	0.092									0.088
38					0.090							0.089						0.087	0.086					0.085			0.085			0.090	0.089
39												0.091																			
41	0.085			0.091		0.090	0.090	0.086	0.086	0.090			0.089																		
42	0.086	0.087											0.086																		
43					0.095							0.091				0.086				0.086	0.088	0.093		0.087							
45												0.093																			
46					0.086					0.088	0.087		0.092									0.088									
47	0.087				0.085	0.086					0.086		0.089				0.085					0.085	0.088	0.095				0.087			
49																															0.086
50	0.086																														
51																0.095									0.086						
53												0.087												0.088							
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59												0.087																			
78											0.087																				
80															0.087																
89			0.086																												

	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ
1														
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7	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
8	6/5	6/6	6/7	6/17	6/18	6/27	6/28	7/9	7/10	7/11	7/12	7/13	7/15	7/24
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24		0.088	0.087									0.088	0.091	
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27														
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29														
30														
31		0.091	0.088								0.089	0.088		0.085
32	0.090	0.088	0.089					0.096						
33										0.089				
34			0.086								0.093			0.092
35	0.091	0.092									0.092			
36								0.094		0.088				
37	0.091	0.090	0.089	0.090	0.090						0.102			
38														
39								0.107	0.094	0.095				
40														
41														
42		0.085	0.085					0.093		0.089	0.088			
43									0.085					
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45								0.093		0.089				
46		0.086									0.089		0.085	
47	0.085	0.089	0.088											
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54										0.085	0.086			
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