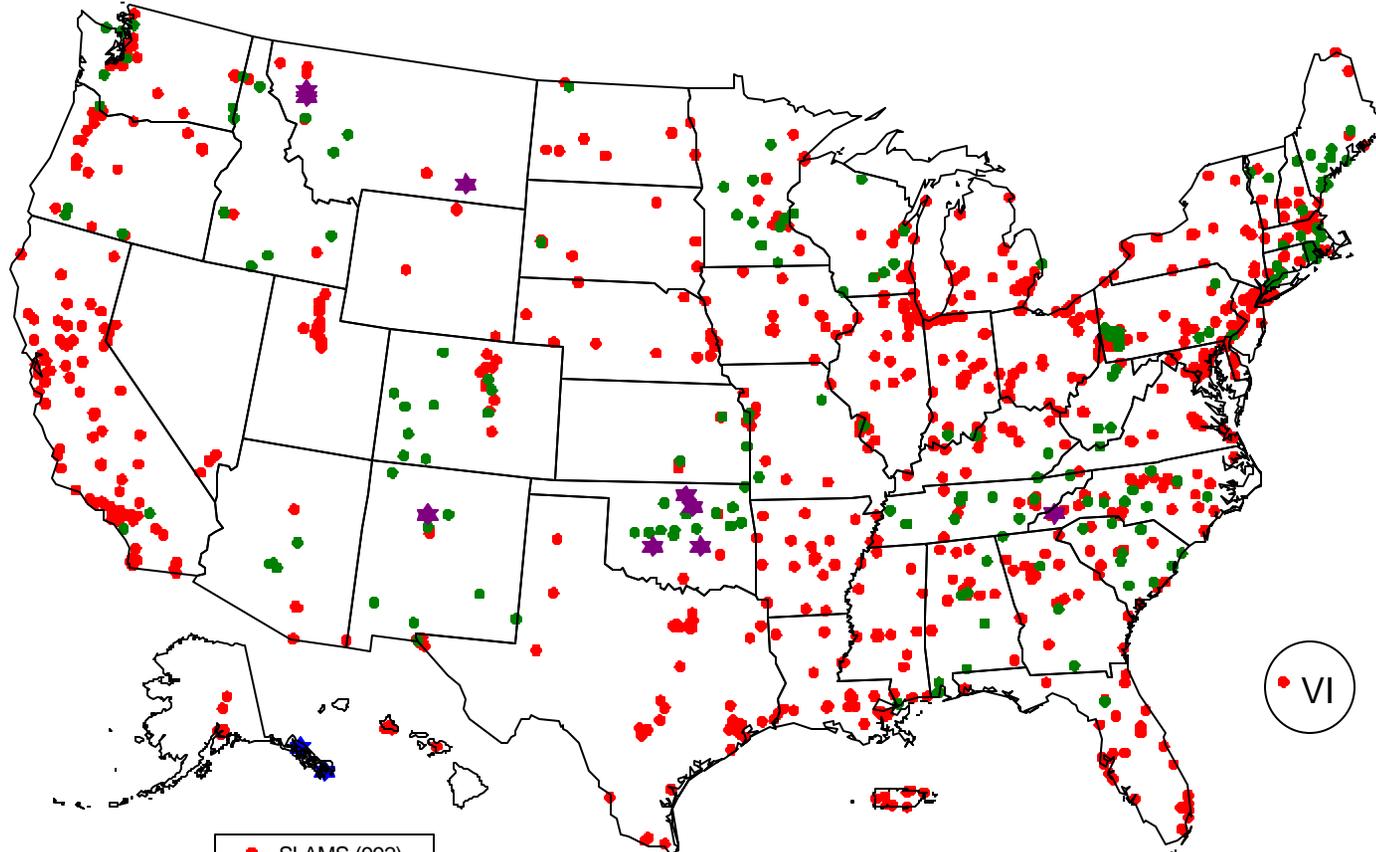


PM_{2.5} FRM Monitors



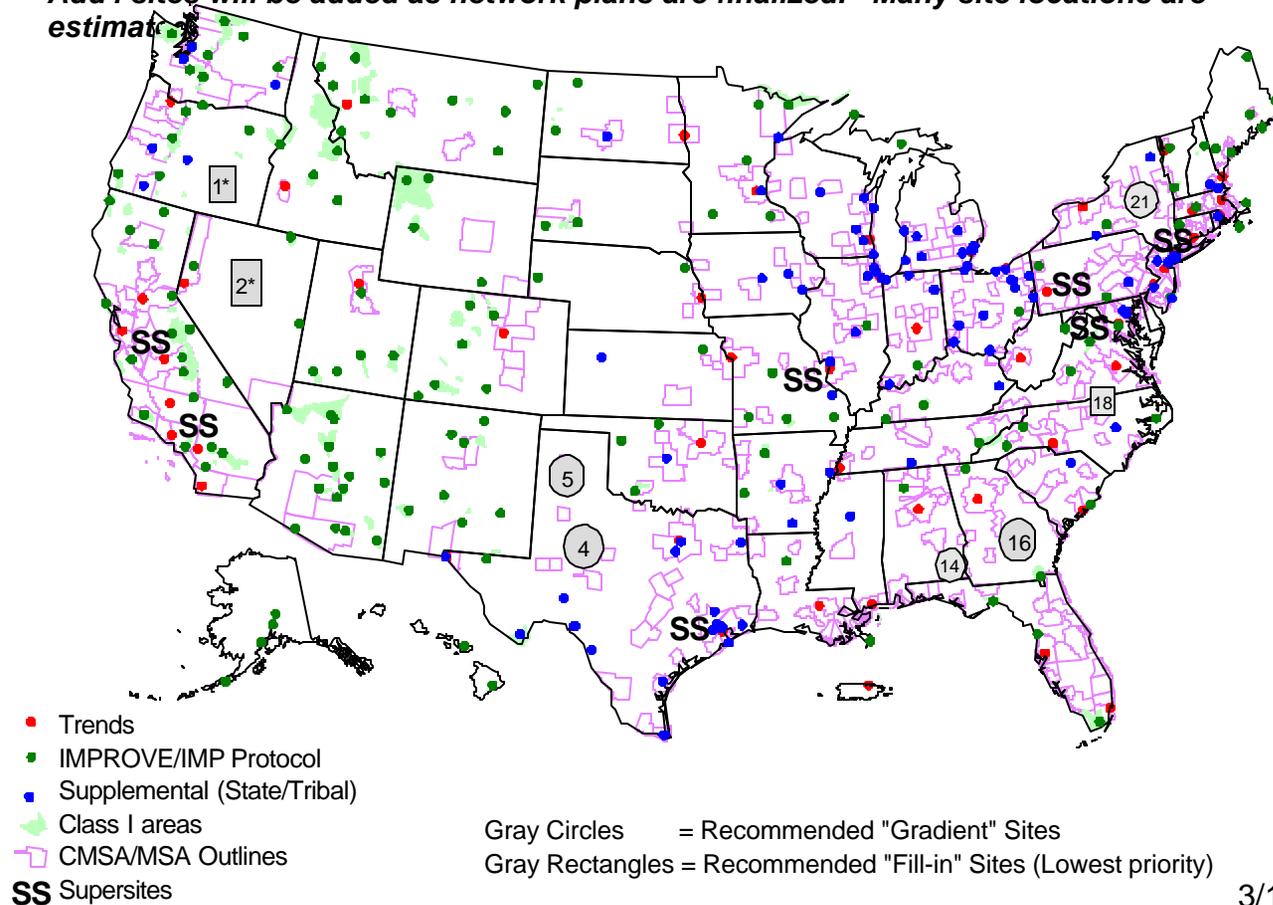
- SLAMS (992)
- Other (193)
- ★ Tribal (12)
- ★ Unknown (2)

● VI

Current / Planned Urban, IMPROVE, Rural Speciation Sites

Includes Federal, Tribal, State & Locally Operated Sites

Add'l sites will be added as network plans are finalized. Many site locations are estimated.

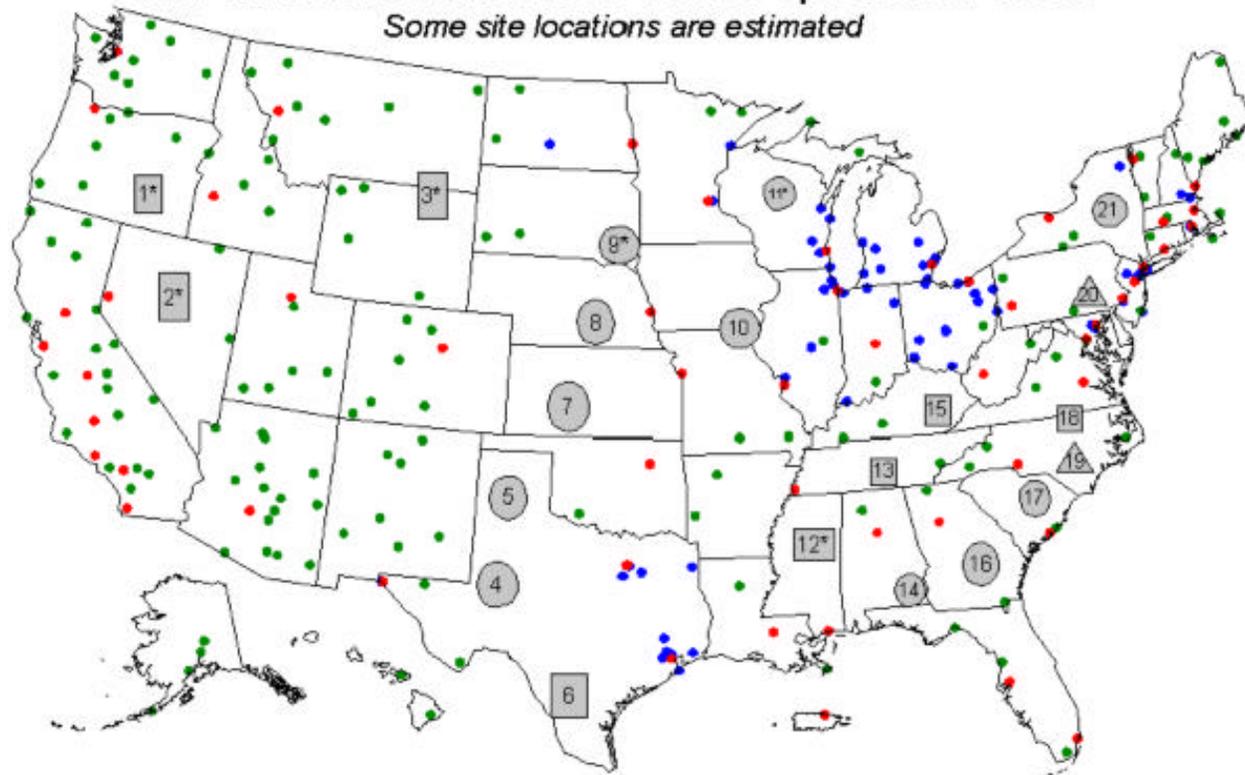


3/19/01

Input From the Modelers & RPOs

Current / Planned 'Known' Speciation Sites and Recommended New Rural Speciation Sites

Some site locations are estimated



Red = Trends
Green = IMPROVE
Blue = SLAMS

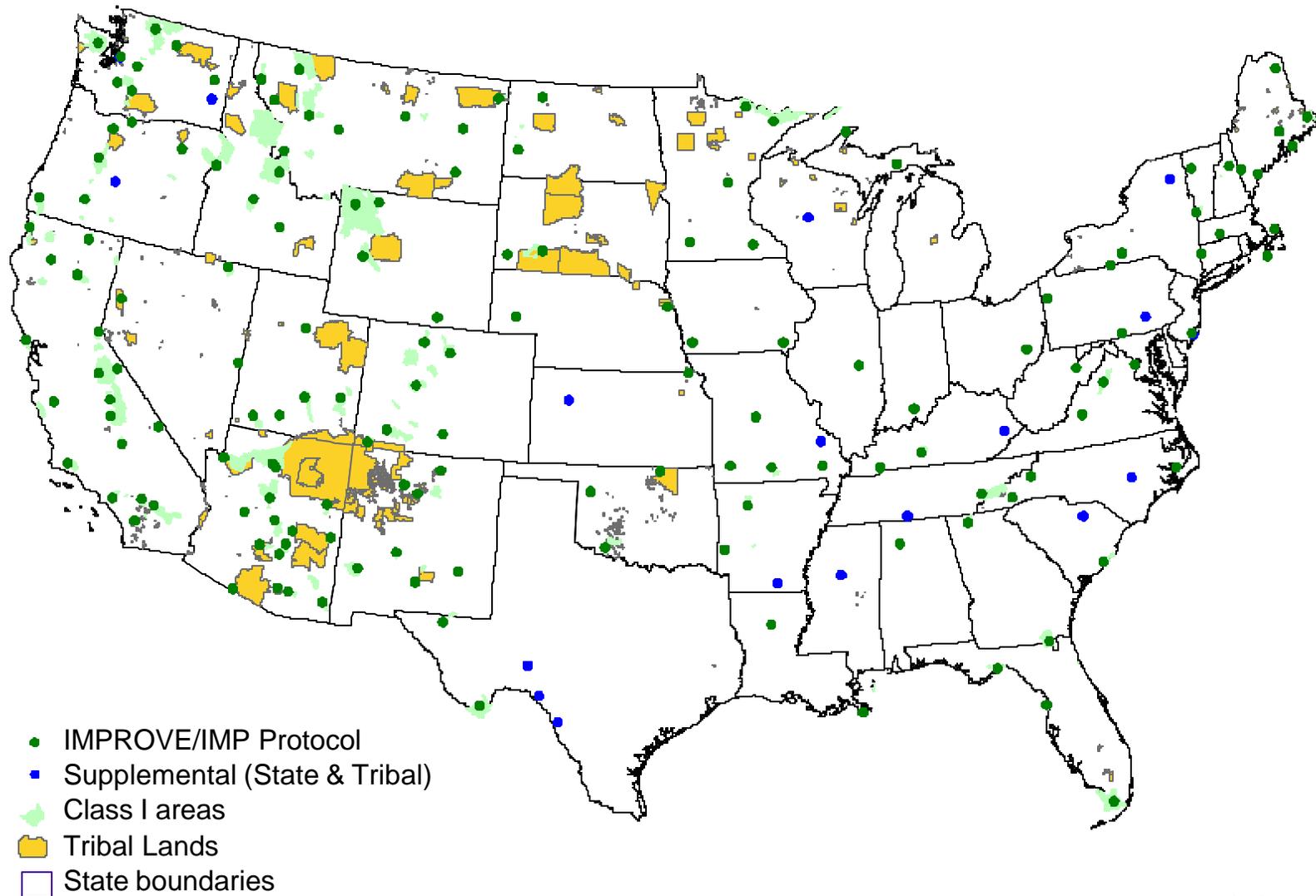
Gray Triangles = Recommended "Hot Spot" Sites
Gray Circles = Recommended "Gradient" Sites
Gray Rectangles = Recommended "Fill-in" Sites

*Starred sites appear to be close to tribal lands

2/12/01

Current / Planned IMPROVE, IMPROVE Protocol & Rural Speciation Sites

Add'l sites may be added as network plans are finalized. Few site locations are estimated.



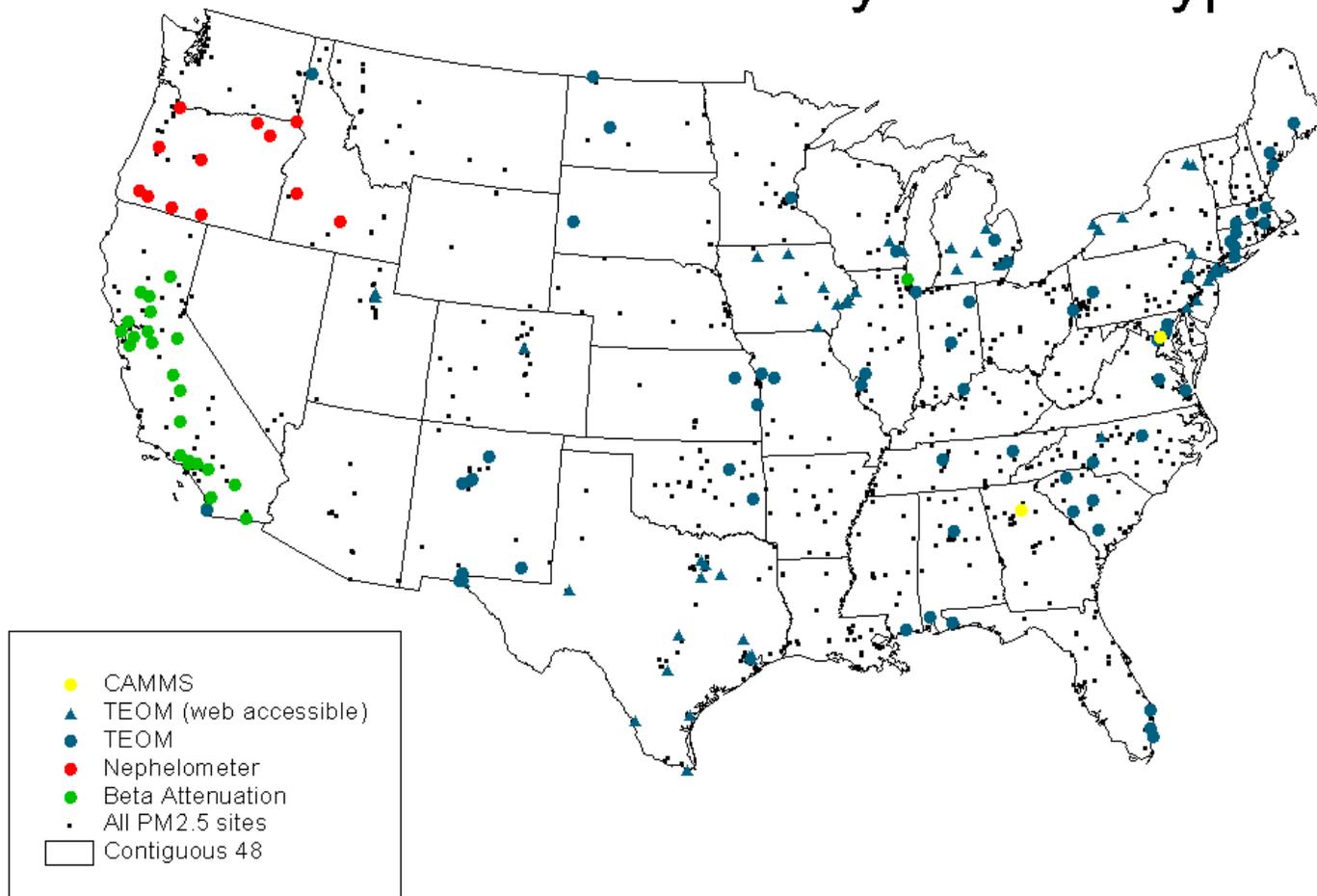
4/3/01

Current 'Known' and Potential Daily Speciation Sites

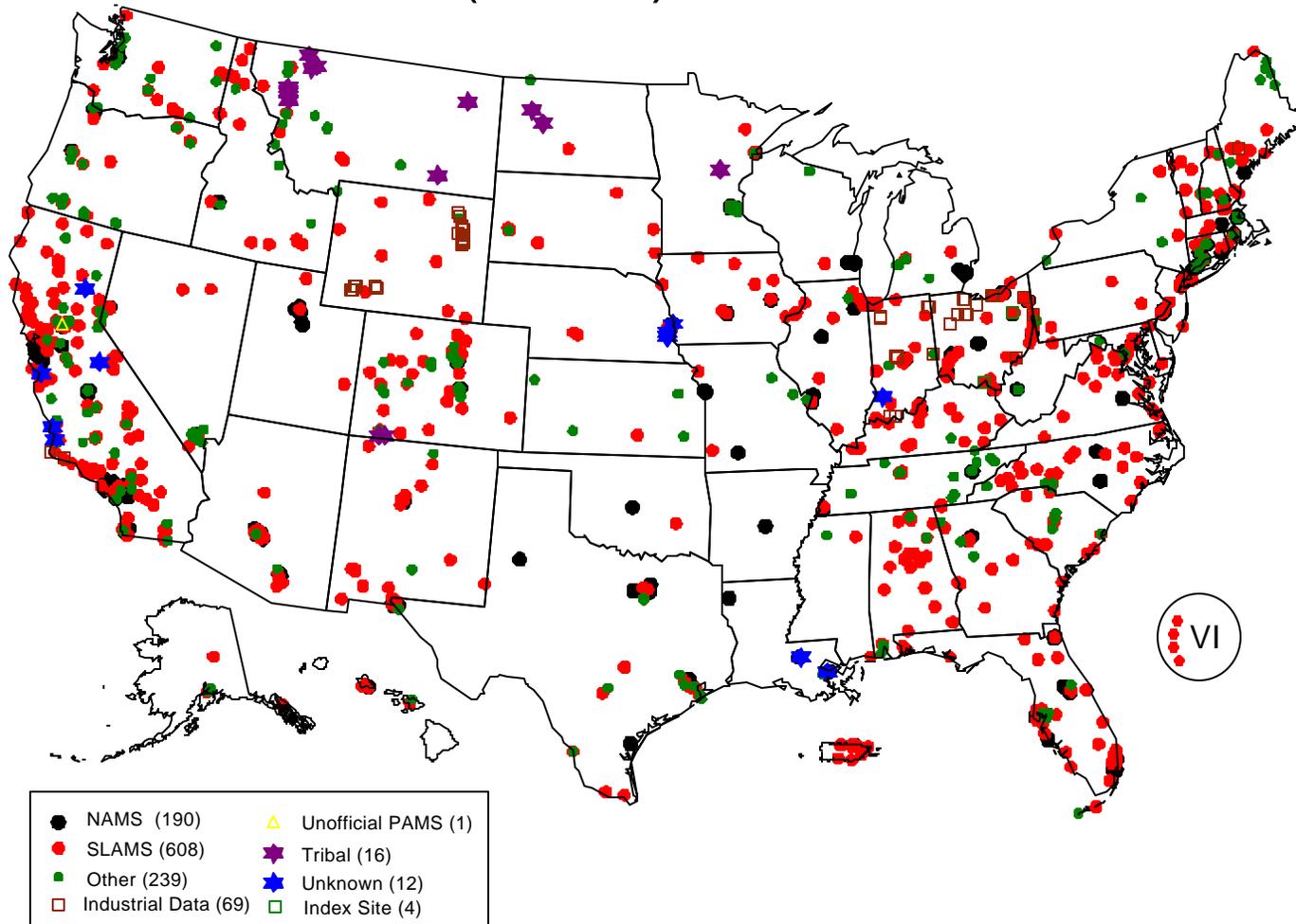


Location (???-sites have not been confirmed)	Population	Growth '90-'99	'99 PM _{2.5} Annual avg (ug/m ³)	Other Factors
New Haven, CN	522,279	-7.4	15-20	Construction in E. Hartford forced move of trends site
Atlanta, GA	3,857,097	30	>20	Previous Supersite
Charleston, SC	552,803	9.1	10-15	Southern Small City near ocean
Houston (Deer Park), TX	4,010,969	20.7	15-20	1st round continuous sampler evaluation; Supersite
Bronx City Park (NYC)	8,712,600	1.9	>20	1st round continuous sampler evaluation; Supersite
Charlotte, NC	1,417,217	22	15-20	High growth Trends site
Chicago, IL	8,008,507	8.1	>20	1st round continuous sampler evaluation
Phoenix, AZ	3,013,696	34.6	10-15	1st round continuous sampler evaluation
Seattle, WA	2,334,934	14.8	10-15	Northwest Trends site
Salt Lake City, UT	1,275,076	18.9	10-15	Newest Request
Fresno, CA	879,829	16.4	>20	Supersite
Los Angeles, CA ???	16,036,587	10.4	>20	Region 9 is a little hesitant because of the specific location; Supersite
Fargo, ND	170,122	11.0	0-10	small city inland
Des Moines				Current Speciation Site. State asked to participate

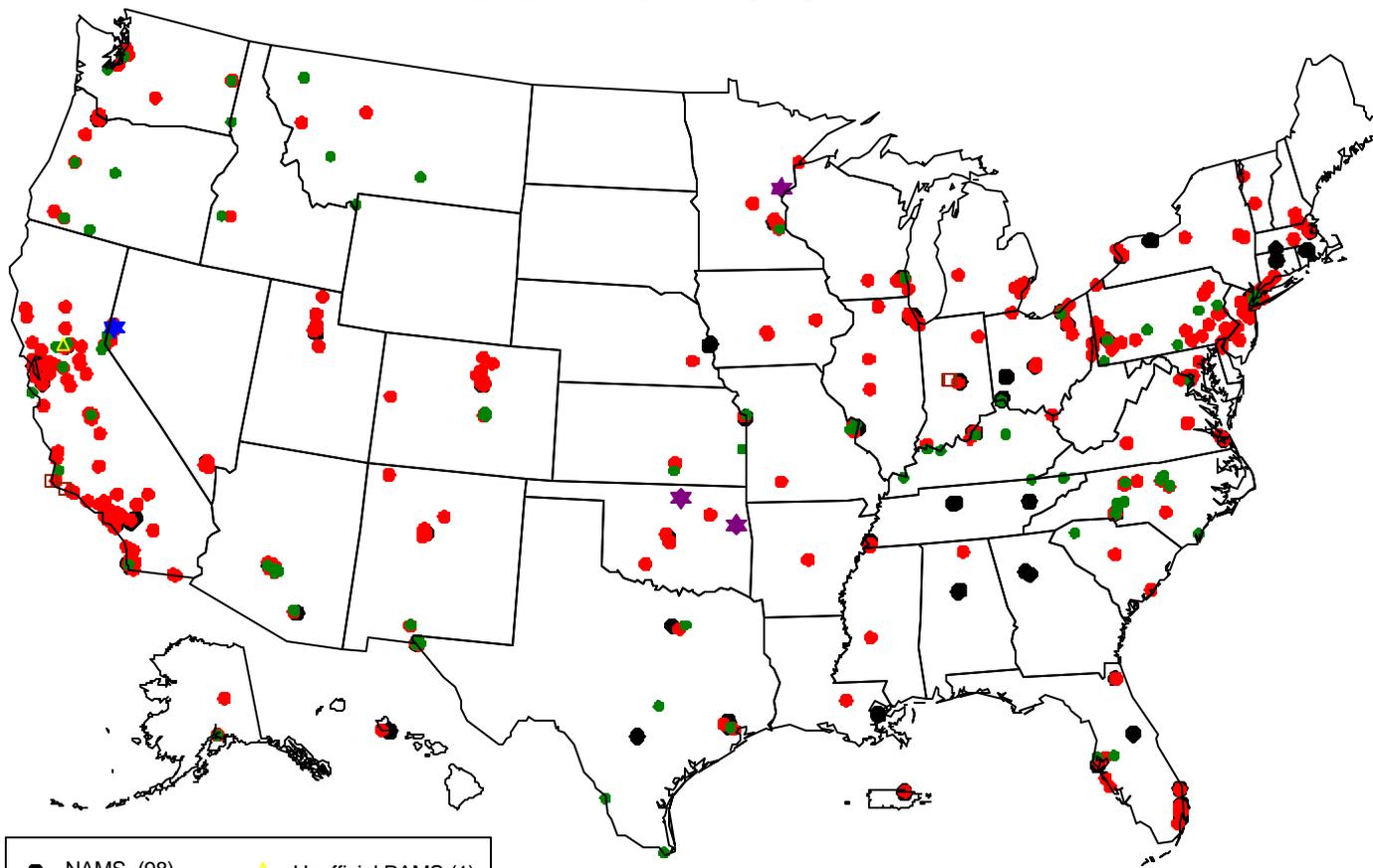
All PM2.5 Monitoring Sites with continuous sites by monitor type



PM₁₀ (81102) Monitors

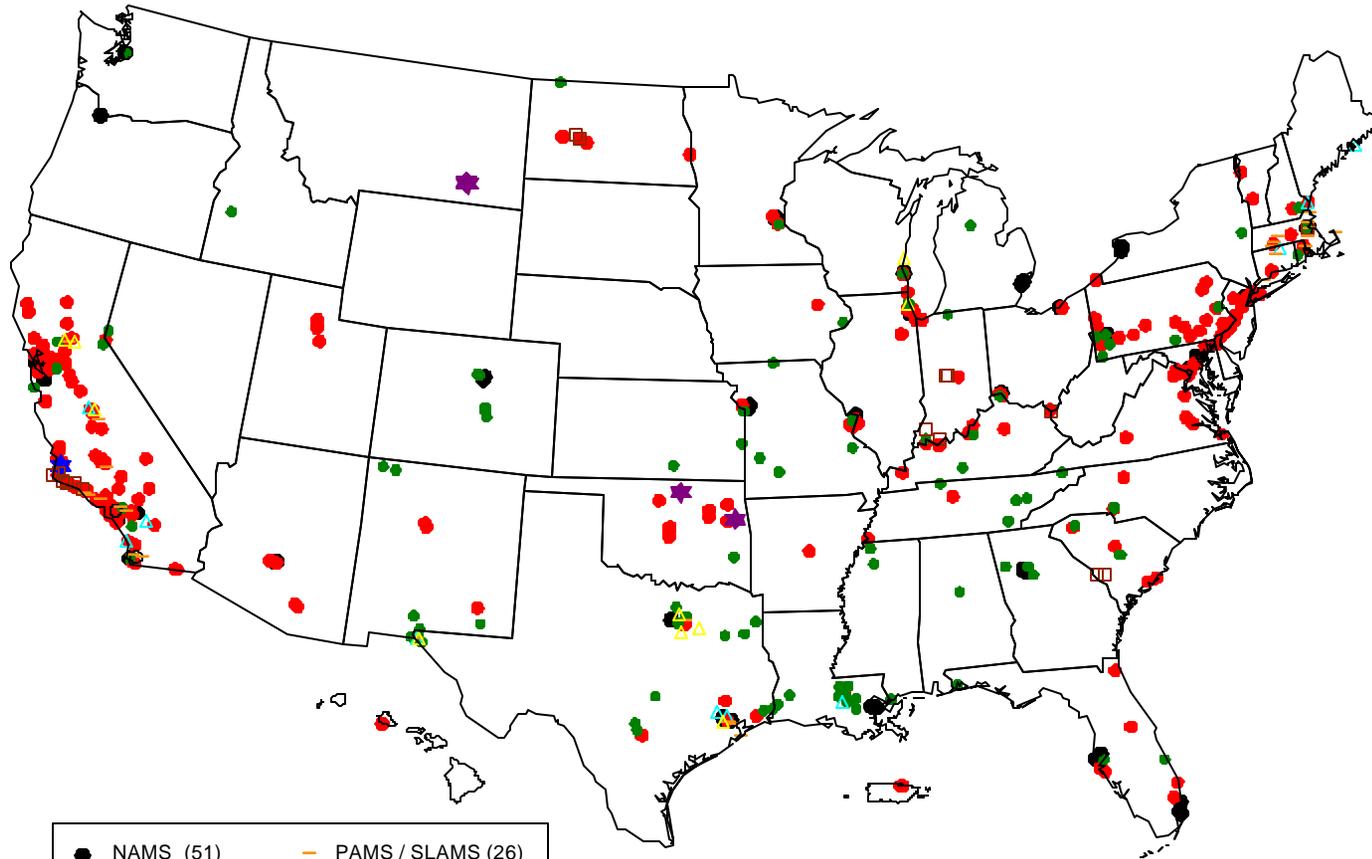


CO Monitors



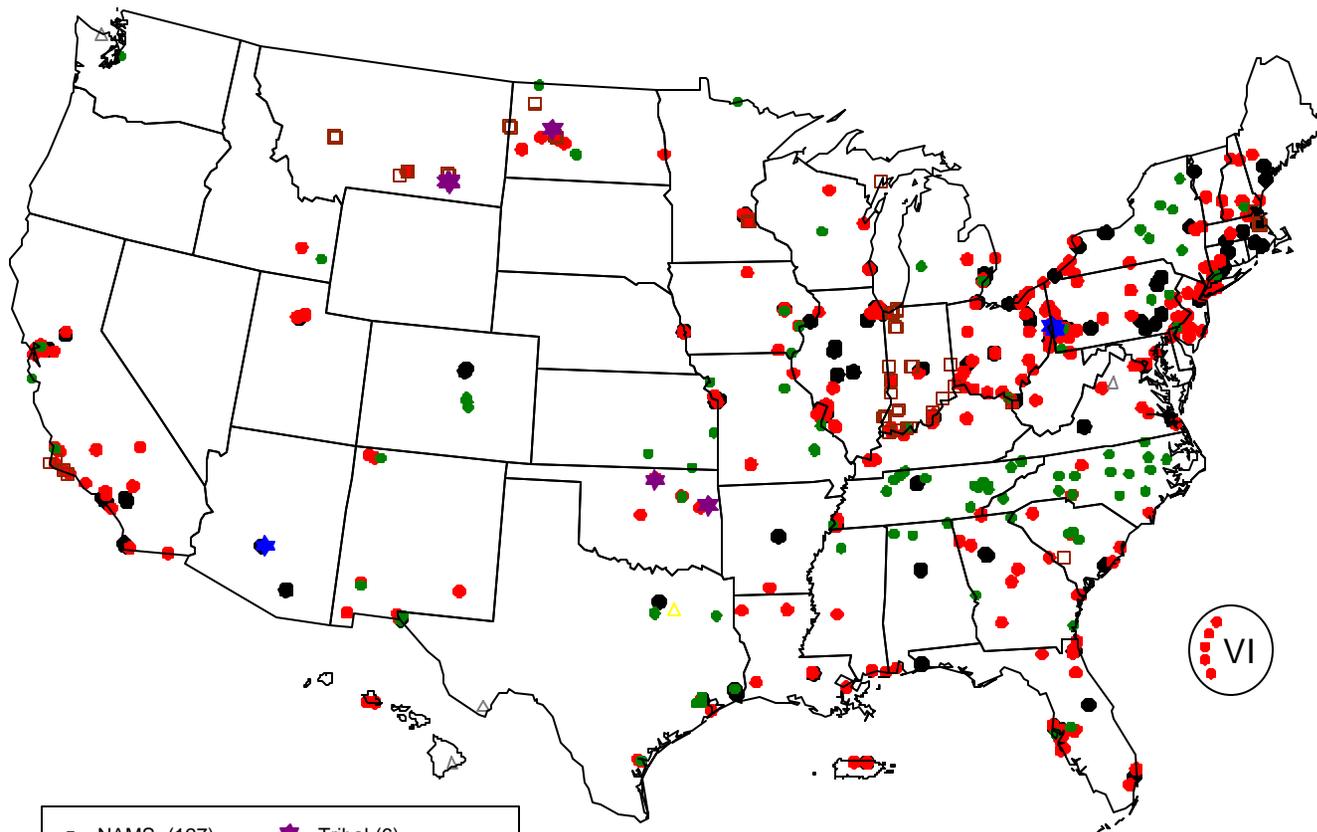
- | | |
|-----------------------|-----------------------|
| ● NAMS (98) | △ Unofficial PAMS (1) |
| ● SLAMS (320) | ★ Tribal (3) |
| ● Other (90) | ★ Unknown (1) |
| □ Industrial Data (5) | |

NO₂ Monitors



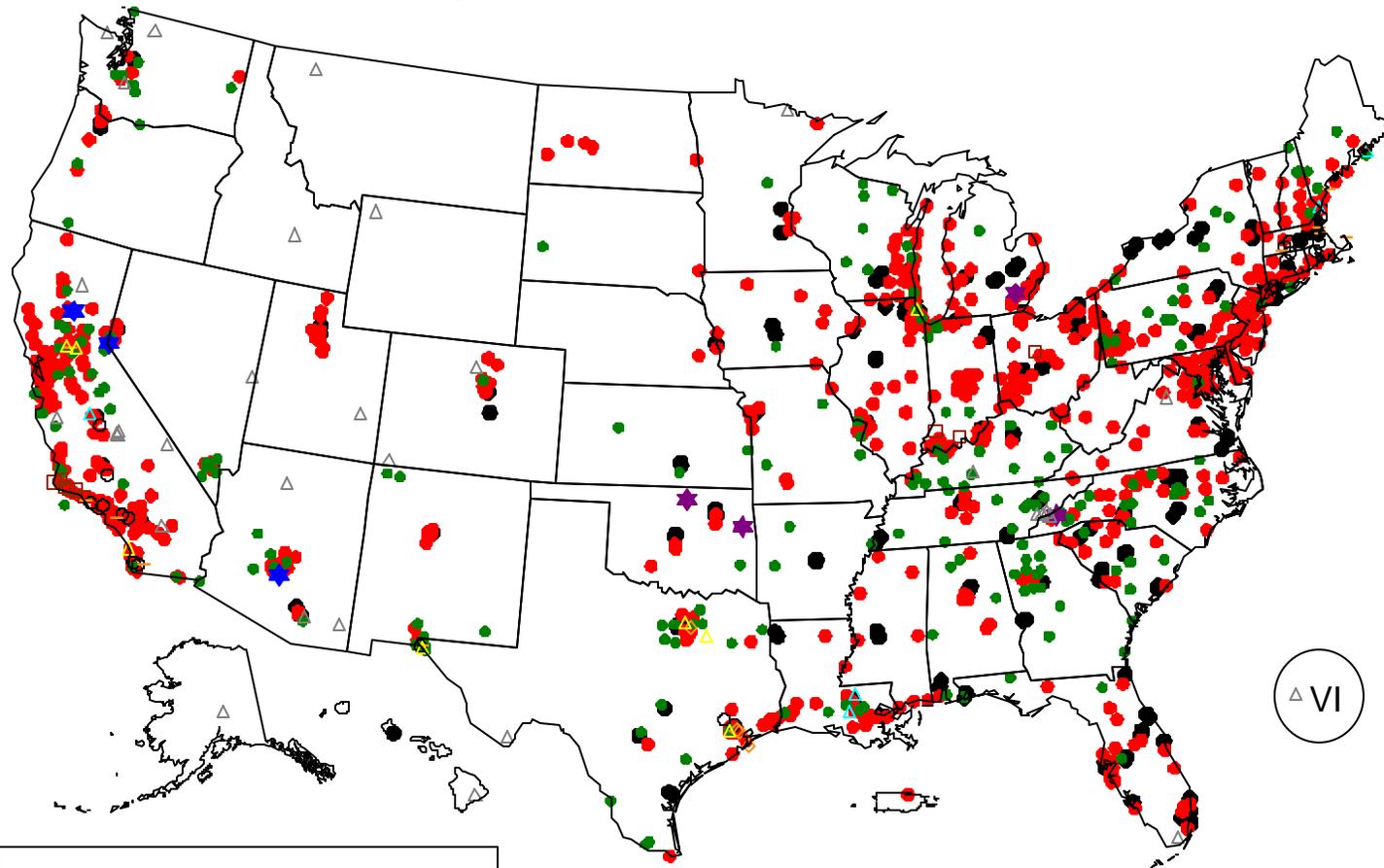
● NAMS (51)	— PAMS / SLAMS (26)
● SLAMS (211)	△ Unofficial PAMS (10)
● Other (98)	★ Tribal (5)
△ PAMS (10)	★ Unknown (1)
○ PAMS / NAMS (2)	□ Industrial Data (17)

SO₂ Monitors



● NAMS (127)	★ Tribal (6)
● SLAMS (286)	★ Unknown (3)
● Other (110)	□ Industrial Data (68)
△ Unofficial PAMS (1)	△ Non-EPA Federal (4)

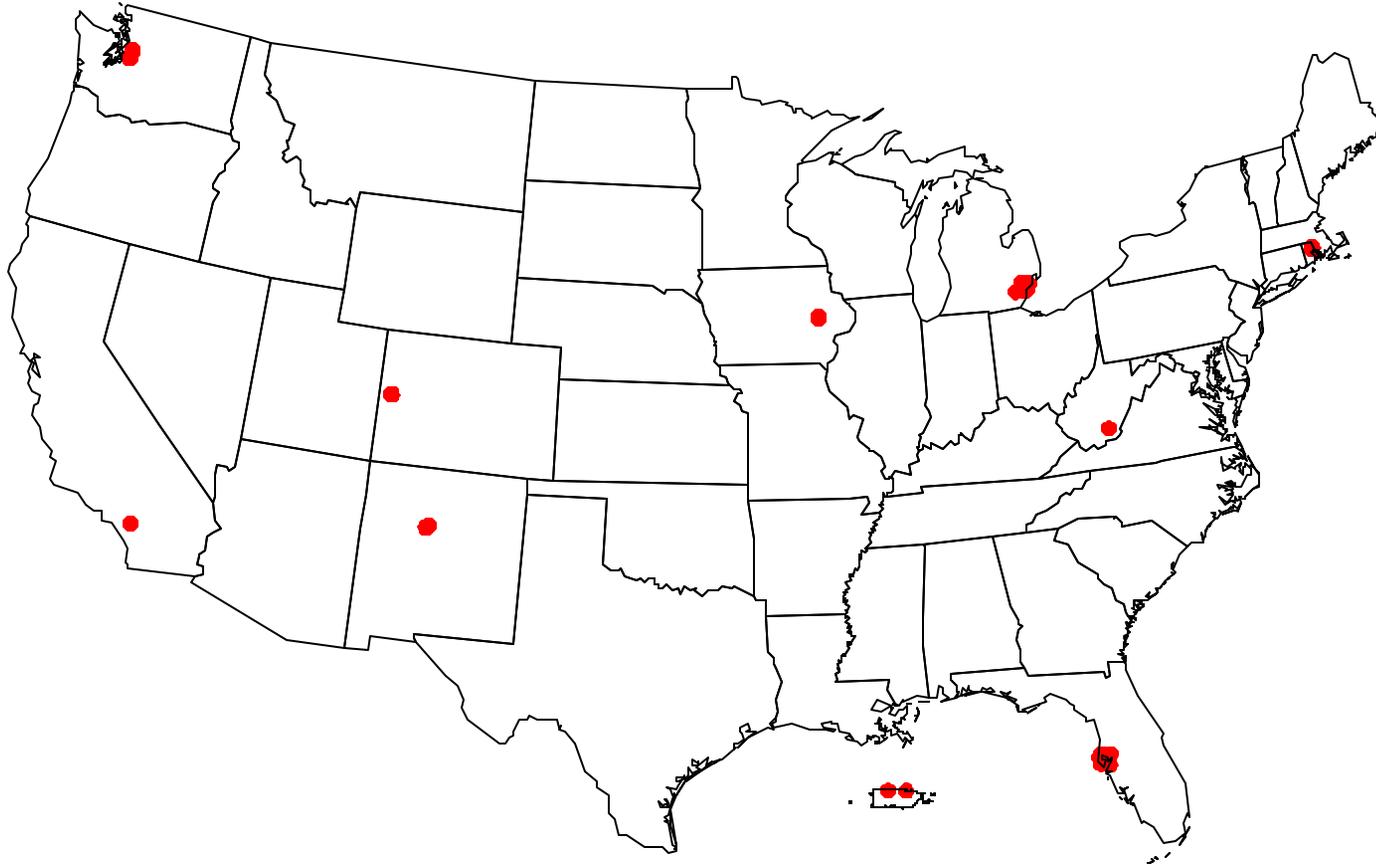
O₃ Monitors



- | | |
|---------------------|------------------------|
| ● NAMS (194) | △ Unofficial PAMS (8) |
| ● SLAMS (616) | ★ Tribal (4) |
| ● Other (208) | ★ Unknown (3) |
| △ PAMS (5) | □ Industrial Data (9) |
| ○ PAMS / NAMS (19) | △ Non-EPA Federal (32) |
| — PAMS / SLAMS (14) | |

△ VI

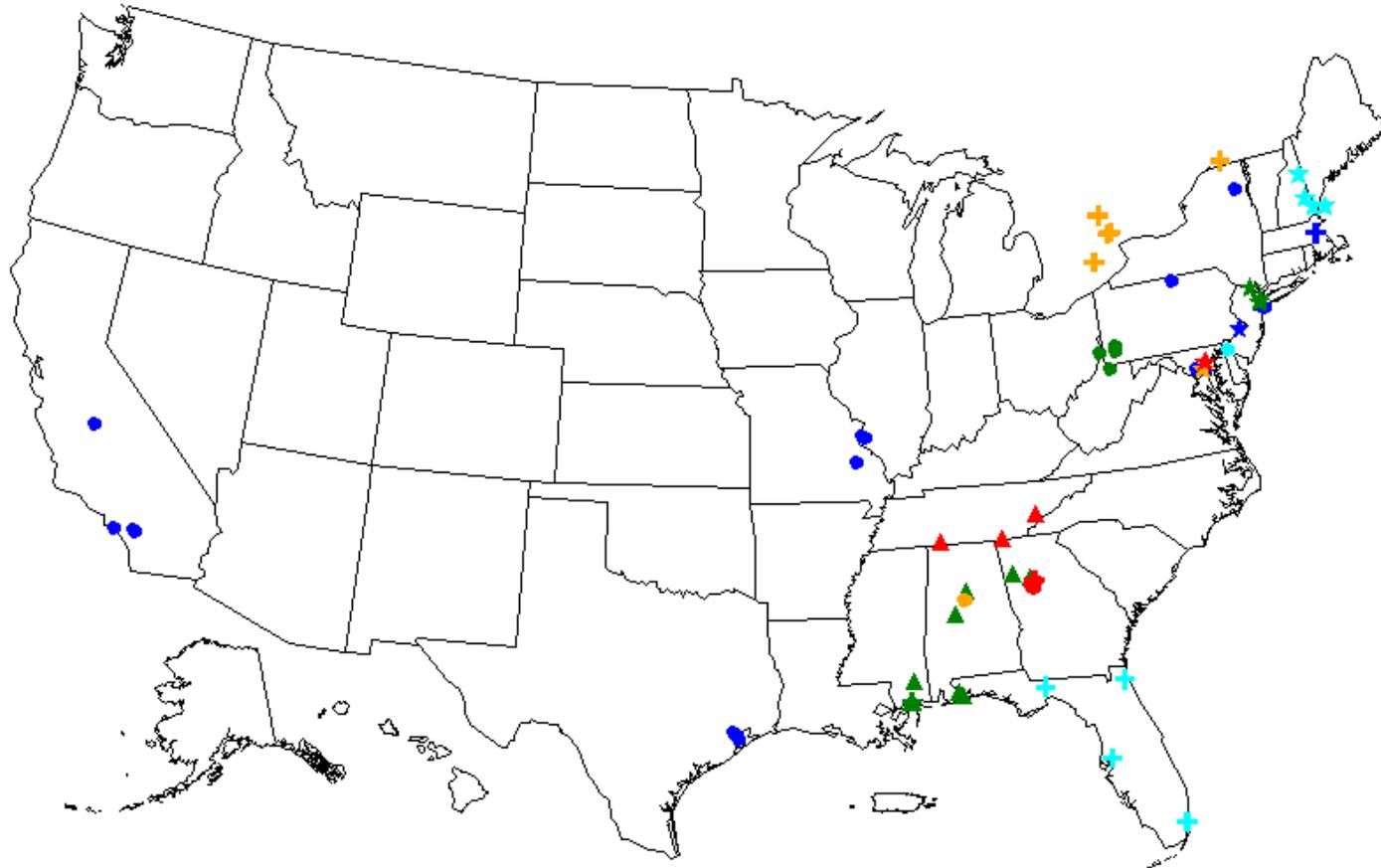
Toxics Pilot Monitoring Sites



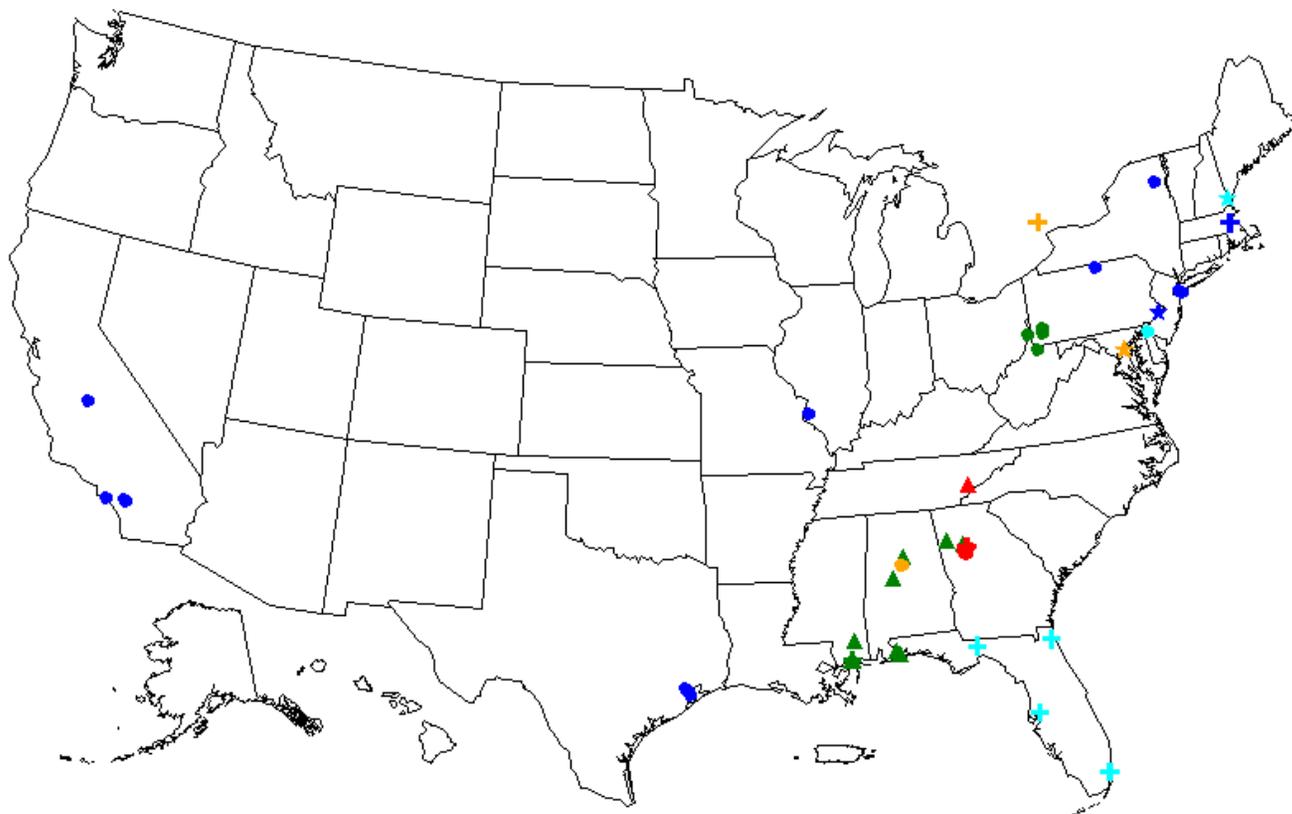
Legend of Symbols/Colors for Maps

- | | |
|------------------|---------------------------|
| ● AL—JeffCo | + MS—DEQ |
| ● ASACA — GA | + HSPH |
| ● DE—State | ★ March—Atlantic |
| ● DOE | ★ Maryland |
| ● EPA Supersites | ★ New Hampshire |
| + MSC | ★ NYU—EPA PM Center |
| + GA—EPD | ★ NE — OPS |
| + FL—DEP | ▲ TVA |
| | ▲ Search (AL, FL, GA, MS) |

All Sites

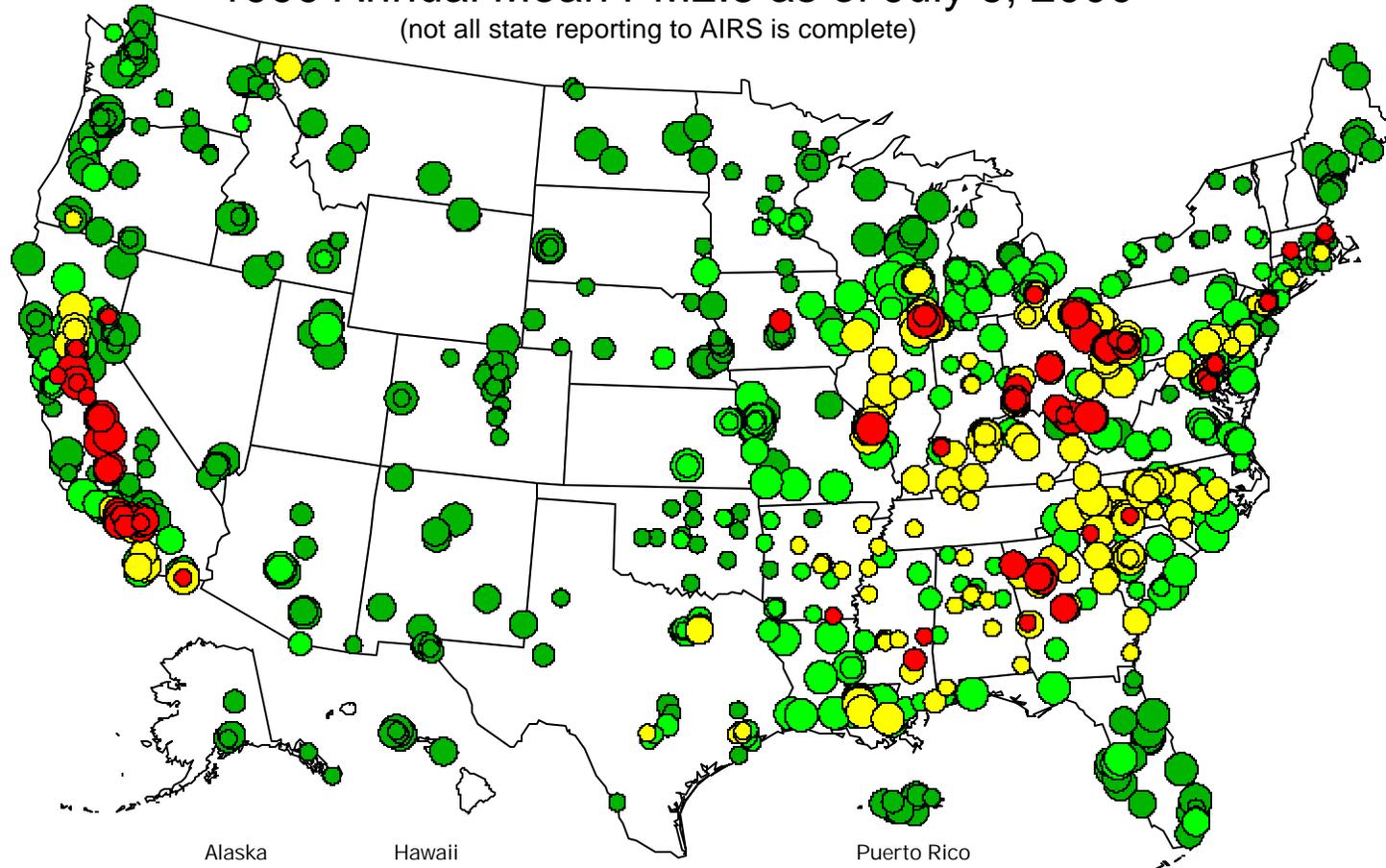


PM2.5 Ion Sites



1999 Annual Mean PM2.5 as of July 6, 2000

(not all state reporting to AIRS is complete)



Alaska

Hawaii

Puerto Rico

Data Completeness

- < 4 quarters
- one or more quarters with < 11 samples
- All quarters with at least 11 samples
- All quarters 75% or more complete

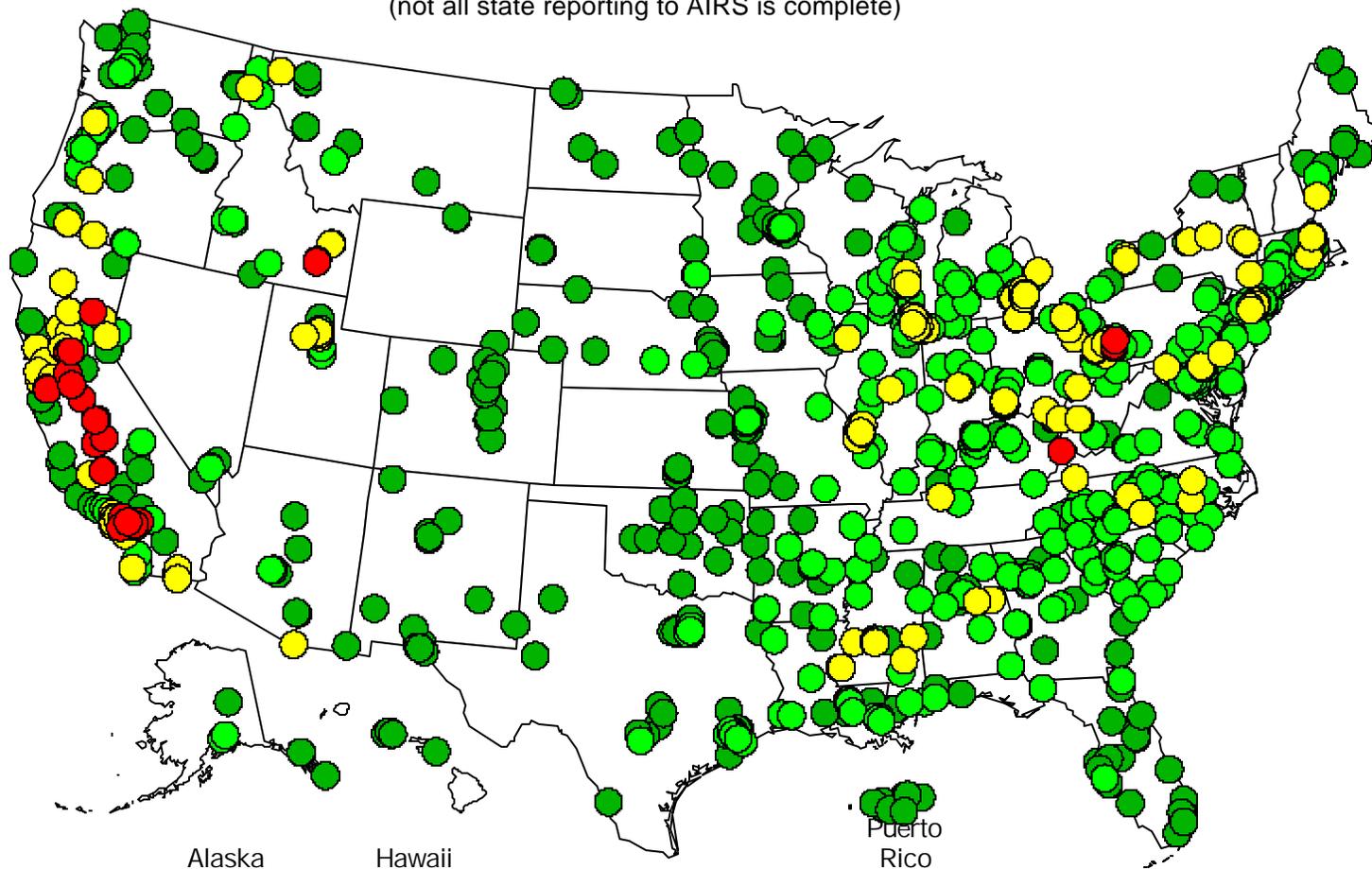
Annual Mean (ug/m3)

- >18
- >15 - 18
- >12 - 15
- 0 - 12

Note: Data with qualifier codes 1, 2, 3, 4, and 6 have been removed. Code 5 outlier data is retained.

1999 98th Percentile 24-hour Average PM2.5 as of July 6, 2000

(not all state reporting to AIRS is complete)



98th Percentile 24-hr Average PM2.5 (ug/m3): ● 0 - 30 ● 30 - 40 ● 40 - 65 ● > 65

Note: Data with qualifier codes 1, 2, 3, 4, and 6 have been removed. Code 5 outlier data is retained.

Tribal Lands

