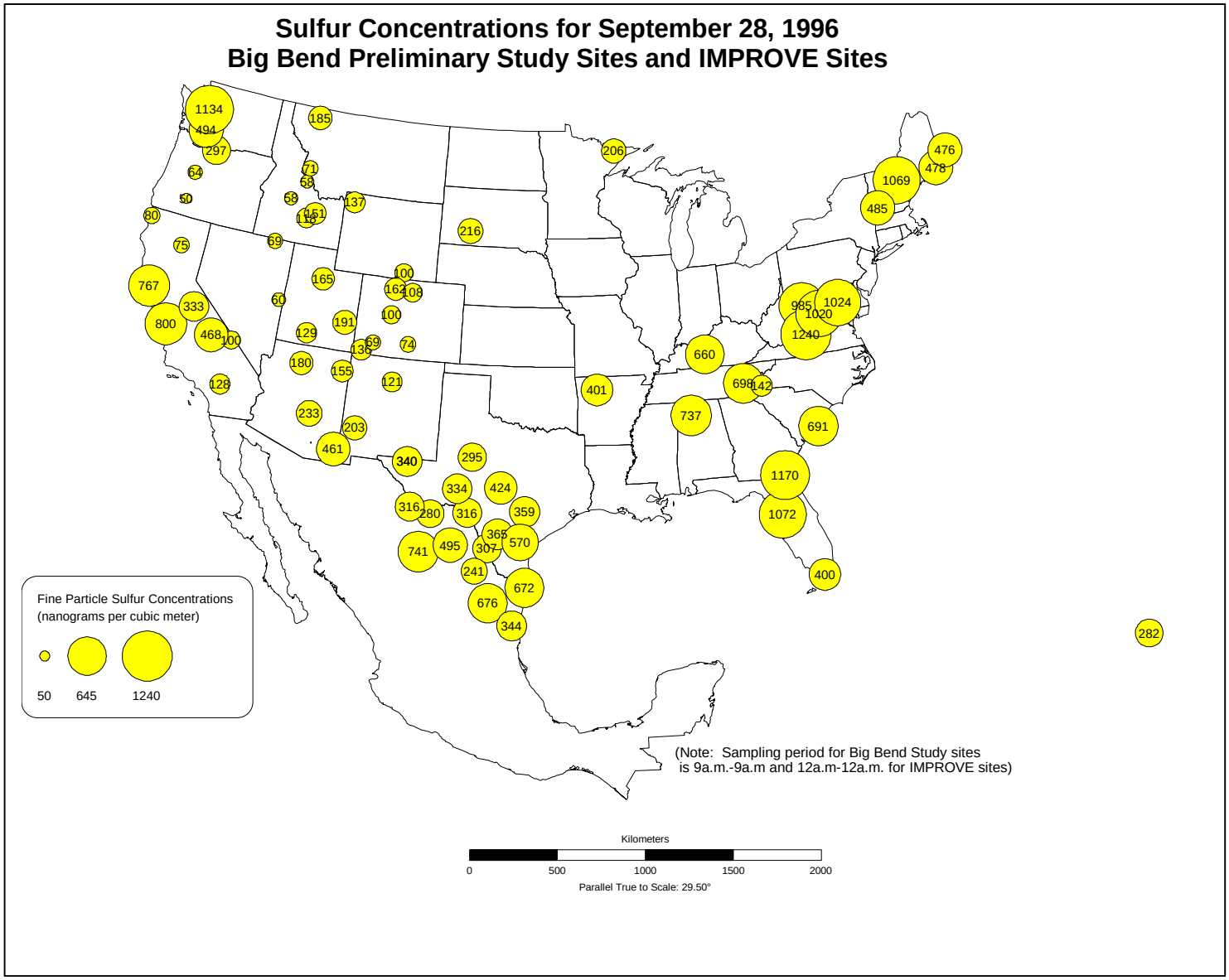
Sulfur Concentrations for September 28, 1996
Big Bend Preliminary Study Sites and IMPROVE Sites
Fine Particle Sulfur Concentrations
(nanograms per cubic meter)
50
645
1240
(Note: Sampling period for Big Bend Study sites
is 9a.m.-9a.m and 12a.m-12a.m. for IMPROVE sites)
Kilometers
0
500
1000
1500
2000
Parallel True to Scale: 29.50°

Figure A3- 26

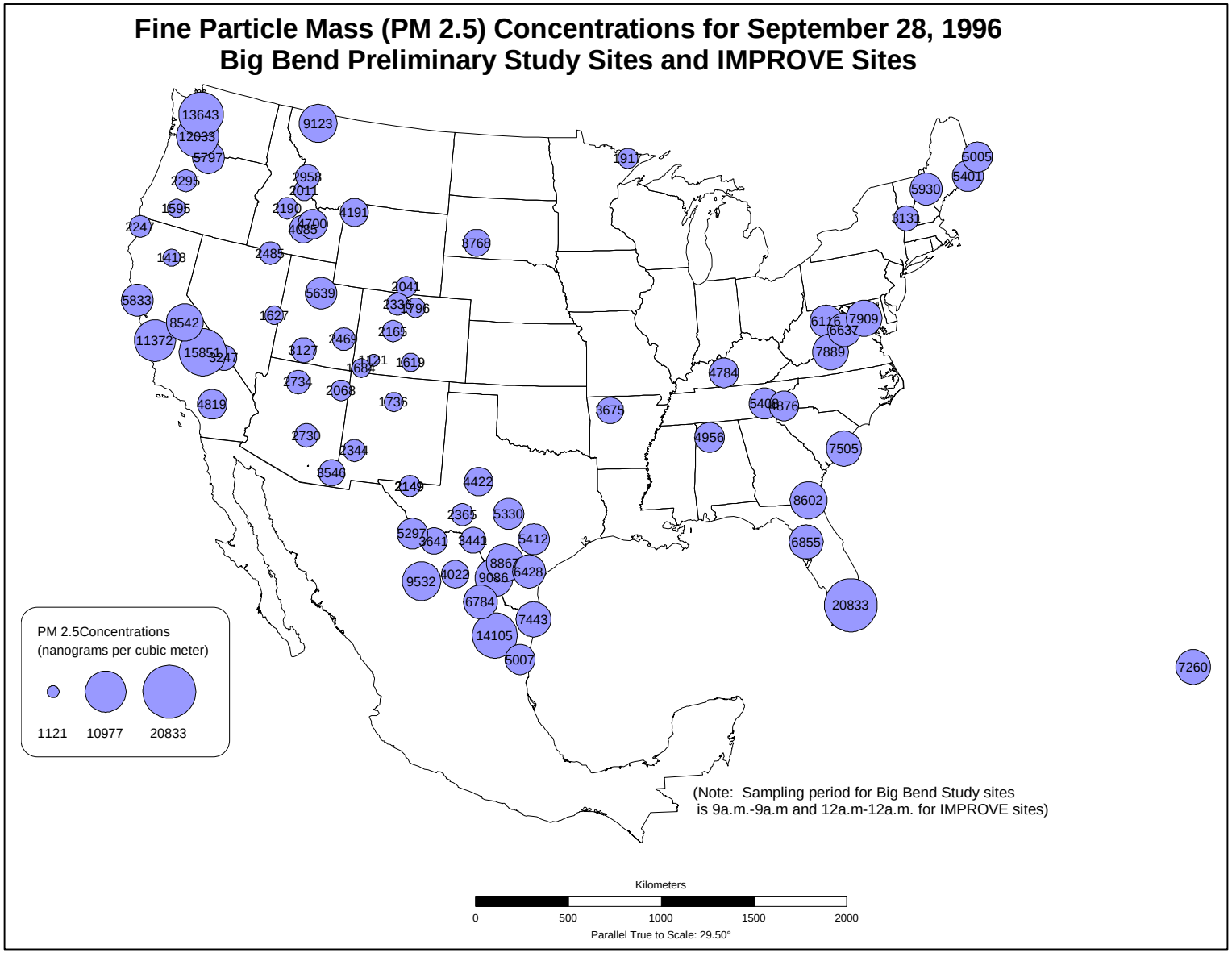
Fine Particle Mass (PM 2.5) Concentrations for September 28, 1996
Big Bend Preliminary Study Sites and IMPROVE Sites
13643
12033
5797
9123
2295
2958
2011
1595
2190
4191
4700
4085
2247
1418
2485
3768
1917
5005
5401
5930
3131
5833
5639
2041
2336
1796
8542
1627
11372
15851
3247
3127
2469
2165
1121
1684
1619
2734
2068
1736
4819
2730
2344
3546
2149
4422
2365
5330
5297
3641
3441
5412
8867
9086
6428
9532
4022
6784
7443
14105
5007
3675
4784
6116
7909
6637
7889
5408
4876
4956
7505
8602
6855
20833
7260
PM 2.5Concentrations
(nanograms per cubic meter)
1121
10977
20833
(Note: Sampling period for Big Bend Study sites
is 9a.m.-9a.m and 12a.m-12a.m. for IMPROVE sites)
Kilometers
0
500
1000
1500
2000
Parallel True to Scale: 29.50°

Figure A3- 27

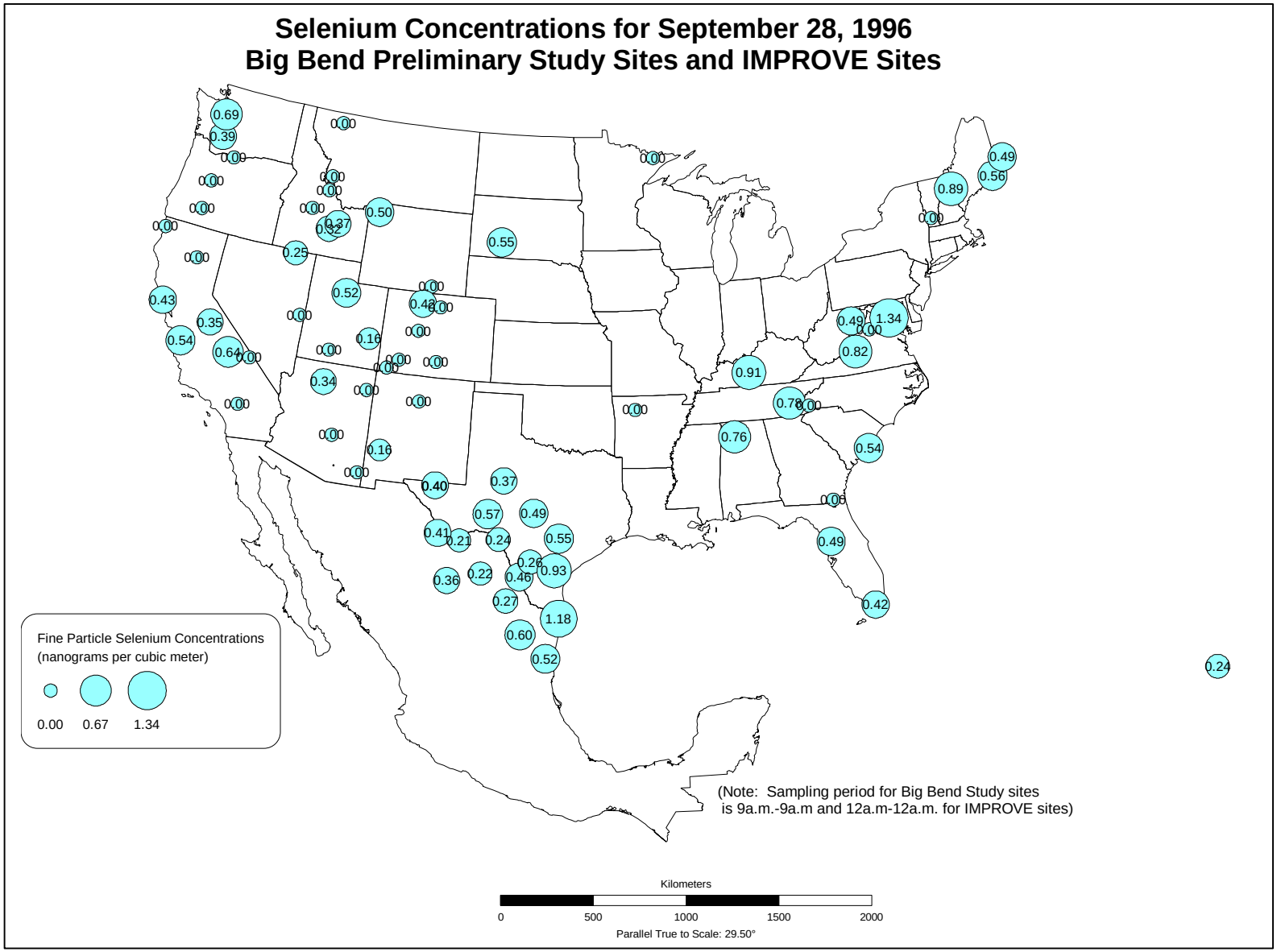
Selenium Concentrations for September 28, 1996
Big Bend Preliminary Study Sites and IMPROVE Sites
Fine Particle Selenium Concentrations
(nanograms per cubic meter)
0.00 0.67 1.34
(Note: Sampling period for Big Bend Study sites
is 9a.m.-9a.m and 12a.m-12a.m. for IMPROVE sites)
Kilometers
0 500 1000 1500 2000
Parallel True to Scale: 29.50°

Figure A3- 28

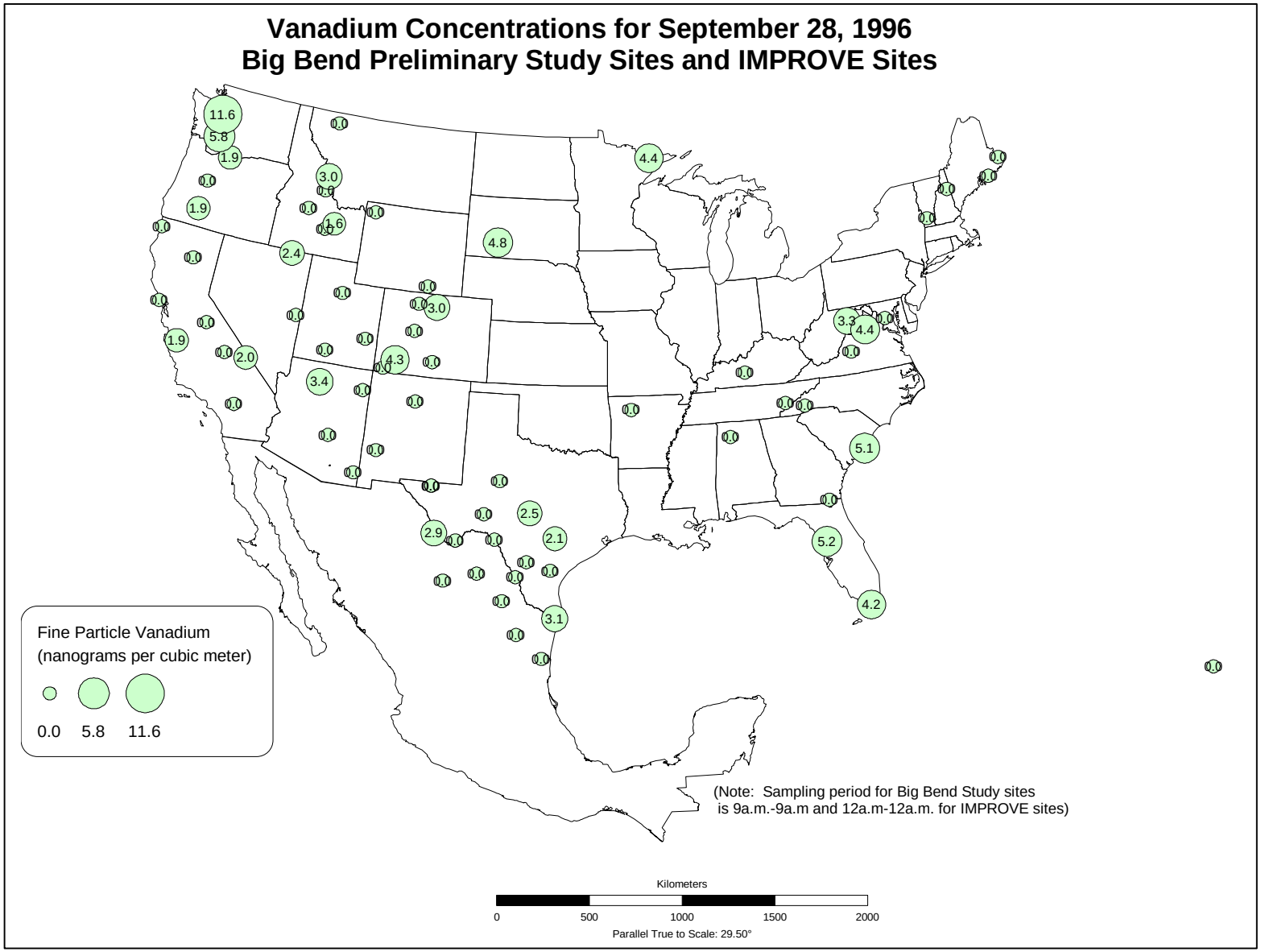
Vanadium Concentrations for September 28, 1996
Big Bend Preliminary Study Sites and IMPROVE Sites
11.6
5.8
1.9
1.9
3.0
1.6
2.4
4.8
4.4
3.0
1.9
2.0
4.3
3.4
3.3
4.4
5.1
2.5
2.9
2.1
5.2
4.2
3.1
Fine Particle Vanadium
(nanograms per cubic meter)
0.0 5.8 11.6
(Note: Sampling period for Big Bend Study sites
is 9a.m.-9a.m and 12a.m-12a.m. for IMPROVE sites)
Kilometers
0 500 1000 1500 2000
Parallel True to Scale: 29.50°

Figure A3- 29

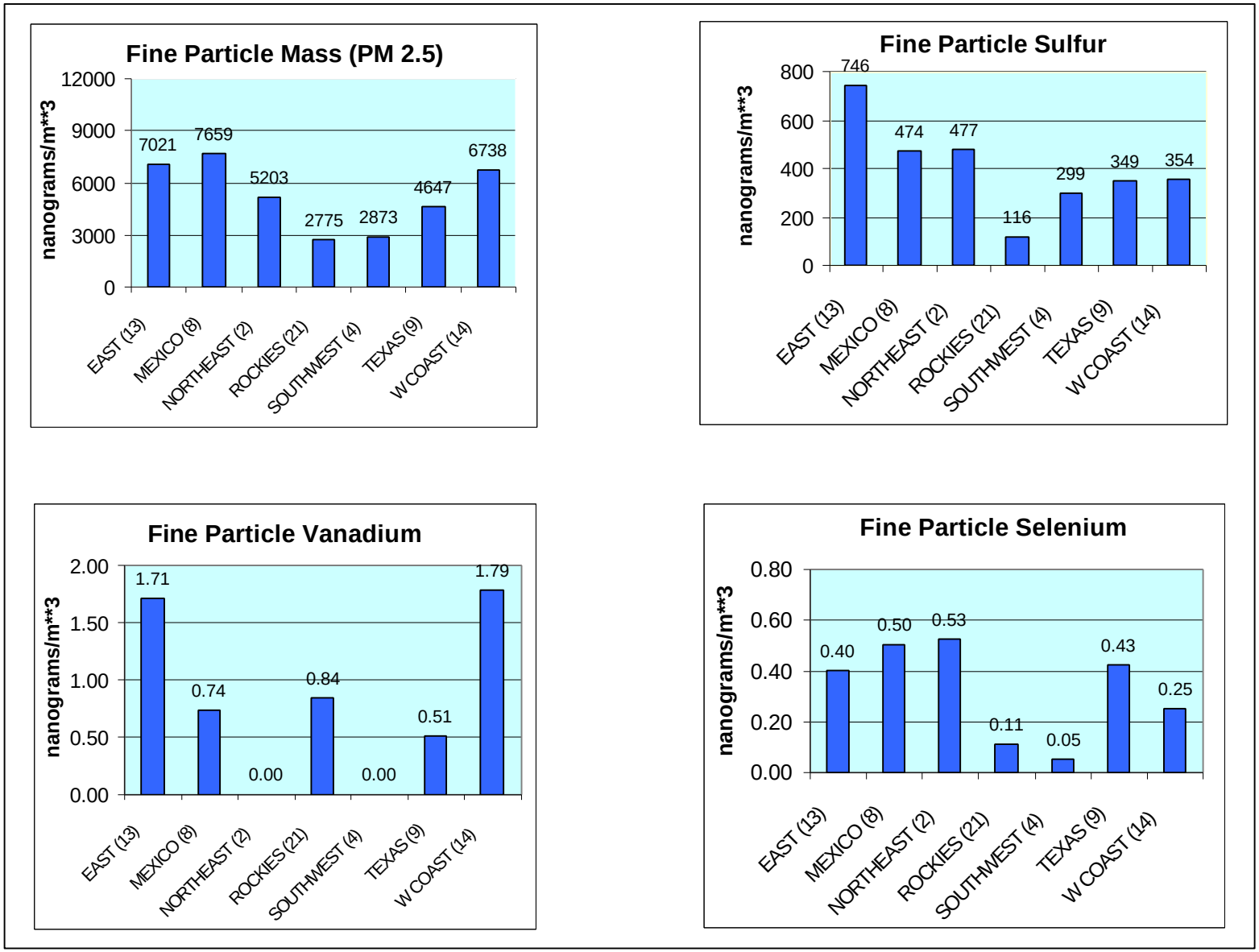
Fine Particle Mass (PM 2.5)
nanograms/m**3
12000
9000
6000
3000
0
7021
7659
5203
2775
2873
4647
6738
EAST (13)
MEXICO (8)
NORTHEAST (2)
ROCKIES (21)
SOUTHWEST (4)
TEXAS (9)
W COAST (14)
Fine Particle Sulfur
nanograms/m**3
800
600
400
200
0
746
474
477
116
299
349
354
EAST (13)
MEXICO (8)
NORTHEAST (2)
ROCKIES (21)
SOUTHWEST (4)
TEXAS (9)
W COAST (14)
Fine Particle Vanadium
nanograms/m**3
2.00
1.50
1.00
0.50
0.00
1.71
0.74
0.00
0.84
0.00
0.51
1.79
EAST (13)
MEXICO (8)
NORTHEAST (2)
ROCKIES (21)
SOUTHWEST (4)
TEXAS (9)
W COAST (14)
Fine Particle Selenium
nanograms/m**3
0.80
0.60
0.40
0.20
0.00
0.40
0.50
0.53
0.11
0.05
0.43
0.25
EAST (13)
MEXICO (8)
NORTHEAST (2)
ROCKIES (21)
SOUTHWEST (4)
TEXAS (9)
W COAST (14)

Figure A3- 30