



# Appendix A

## 2013 Air Monitoring Sites

New Jersey Department of Environmental Protection

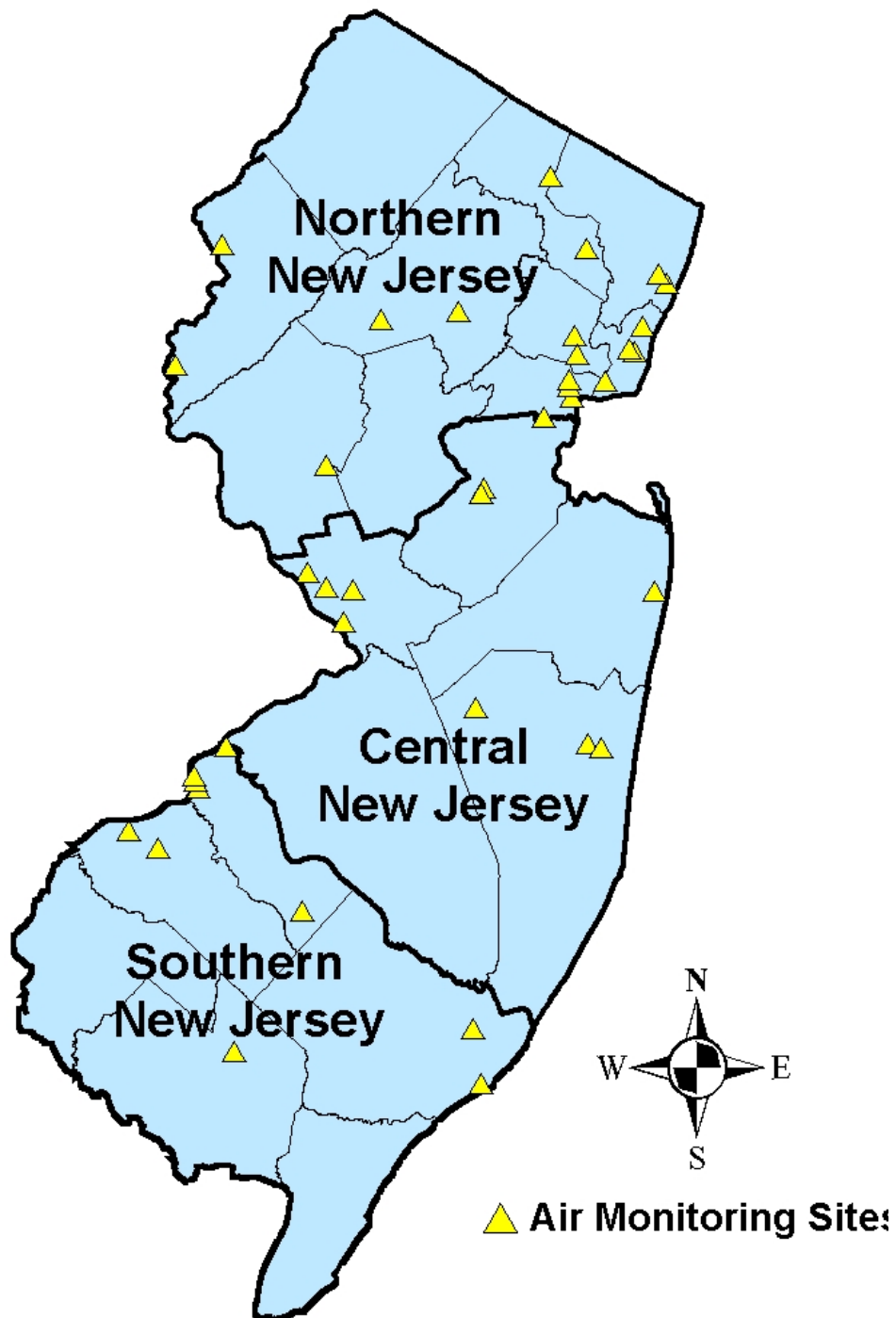


FIGURE 1  
NORTHERN NEW JERSEY  
AIR MONITORING SITES

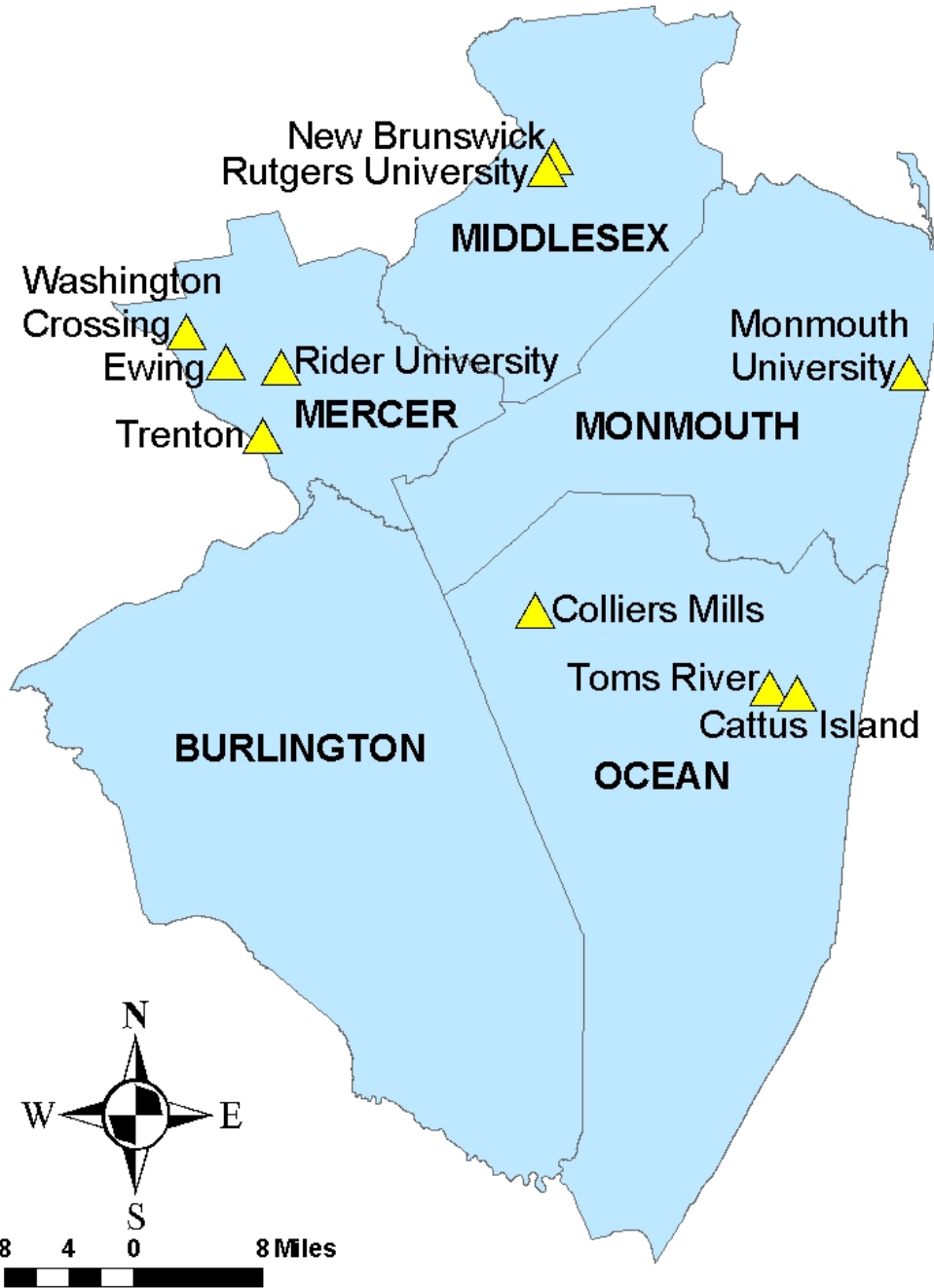


**Table 1  
Northern New Jersey Air Monitoring Sites**

County	Monitoring Site	AIRS Code	Parameter(s) Measured <sup>1</sup>	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
BERGEN	Fort Lee Library	34 003 0003	PM <sub>2.5</sub>	40.852256	- 73.973314	Fort Lee Public Library, 320 Main Street
	Leonia	34 003 0006	O <sub>3</sub>	40.870436	-73.991994	Over peck Park, 40 Fort Lee Road
ESSEX	East Orange	34 013 1003	CO, NO <sub>x</sub> , MET	40.757501	- 74.200500	Engine No. 2, Main Street and Greenwood Avenue
	Newark Firehouse	34 013 0003	CO, O <sub>3</sub> , SO <sub>2</sub> , PM <sub>2.5</sub> , PM <sub>2.5</sub> Spec, MET, NO <sub>y</sub> , NO <sub>x</sub> , BTEX, Pb, TEOM	40.720989	-74.192892	360 Clinton Avenue
HUDSON	Bayonne	34 017 0006	NO <sub>x</sub> , O <sub>3</sub> , SO <sub>2</sub> , MET	40.670250	- 74.126081	Veterans Park on Newark Bay, 25th St. near Park Road
	Jersey City	34 017 1002	CO, SO <sub>2</sub> , SS	40.731645	- 74.066308	2828 Kennedy Boulevard
	Jersey City Firehouse	34 017 1003	PM <sub>2.5</sub> , PM <sub>10</sub> , TEOM	40.725454	- 74.052290	Consolidated Firehouse, 355 Newark Avenue
	Union City	34 017 2002	PM <sub>2.5</sub>	40.772793	-74.031718	Health Department, 714 , 31 <sup>st</sup> Street
HUNTERDON	Flemington	34 019 0001	O <sub>3</sub> , MET, TEOM	40.515262	-74.806671	Raritan Twp. Municipal Utilities Authority, 365 Old York Road
MORRIS	Chester	34 027 3001	NO <sub>x</sub> , O <sub>3</sub> , SO <sub>2</sub> , PM <sub>2.5</sub> , TOXICS, Hg, PM <sub>2.5</sub> Spec, MET	40.787628	- 74.676301	Bldg. #1, Department of Public Works, (DPW), Route 513
	Morristown Amb Squad	34 027 0004	PM <sub>2.5</sub>	40.801211	- 74.483433	16 Early Street
PASSAIC	Paterson	34 031 0005	PM <sub>2.5</sub>	40.918381	-74.168092	Health Department, 176 Broadway Avenue
	Ramapo	34 031 5001	O <sub>3</sub>	41.058617	- 74.255544	Ramapo Mountain State Forest, Access Road, off Skyline Drive
UNION	Elizabeth	34 039 0003	CO, SO <sub>2</sub> , SS	40.662389	- 74.214817	7 Broad Street
	Elizabeth Lab	34 039 0004	CO, NO <sub>x</sub> , SO <sub>2</sub> , SS, MET, PM <sub>2.5</sub> , TOXICS, Hg, PM <sub>2.5</sub> Spec, BTEX, Black Carbon, TEOM	40.641440	- 74.208365	Interchange 13, New Jersey Turnpike
	Elizabeth Mitchell Bldg	34 039 0006	PM <sub>2.5</sub>	40.673406	-74.213889	Mitchell Bldg., 500 North Broad Street
	Rahway	34 039 2003	PM <sub>2.5</sub> , TEOM	40.603943	- 74.276174	Fire Dept. Bldg., 1300 Main Street
WARREN	Columbia WMA	34 041 0007	NO <sub>x</sub> , O <sub>3</sub> , SO <sub>2</sub> , PM <sub>2.5</sub> , MET, TEOM	40.924580	-75.067815	Columbia Wildlife Management Area, Delaware Road
	Phillipsburg	34 041 0006	PM <sub>2.5</sub>	40.699207	- 75.180525	Municipal Bldg., 675 Corliss Avenue

<sup>1</sup> See Parameter Codes, Table 4 (Appendix A-8)

FIGURE 2  
CENTRAL NEW JERSEY  
AIR MONITORING SITES



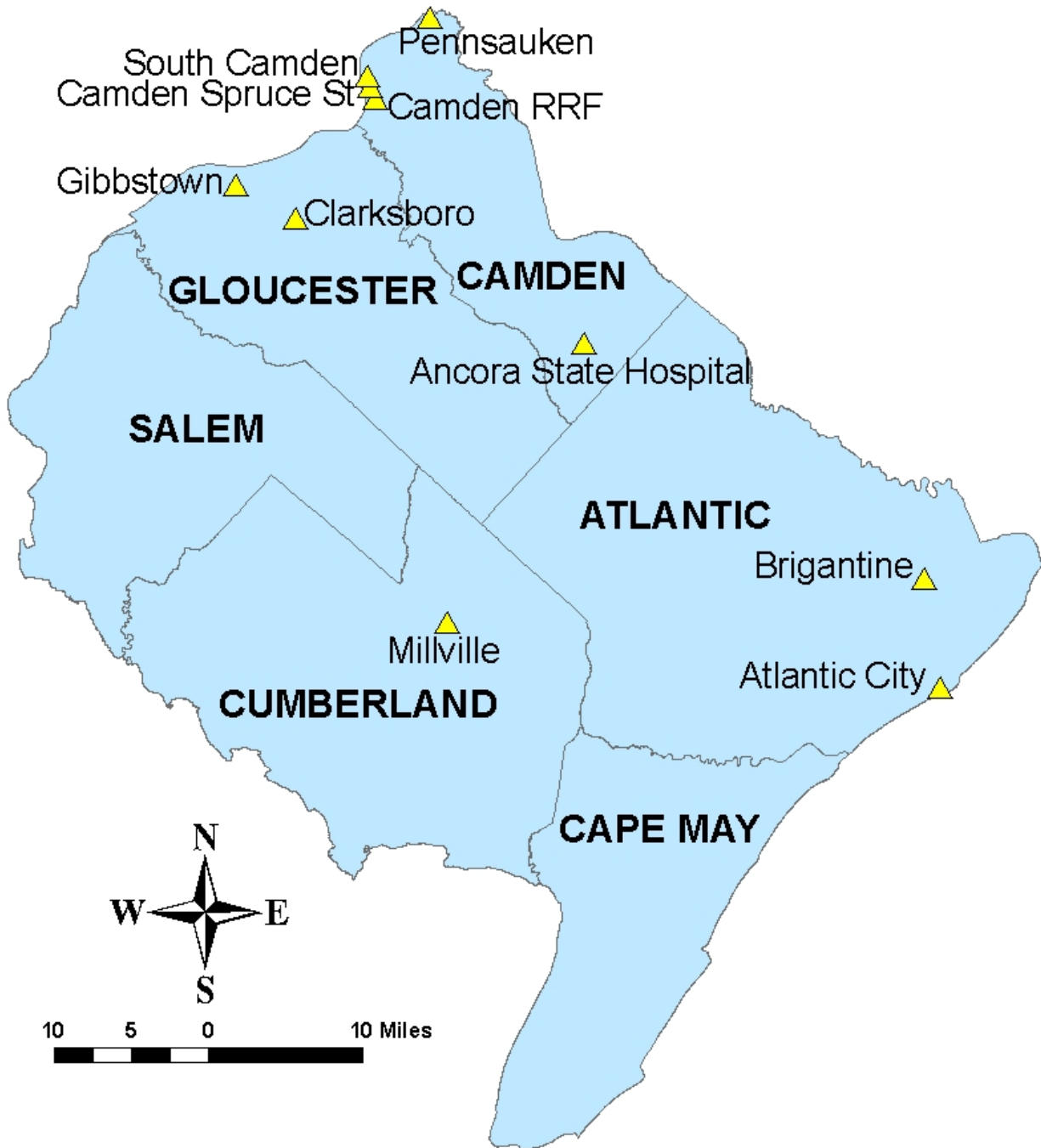
**Table 2  
Central New Jersey Air Monitoring Sites**

County	Monitoring Site	AIRS Code	Parameter(s) Measured <sup>1</sup>	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
<b>MERCER</b>	Ewing	34 021 0010	TEOM	40.287530	-74.807770	Bureau of Air Monitoring Technical Center, 380 Scotch Road
	Rider University	34 021 0005	O <sub>3</sub> , MET	40.283092	-74.742644	Athletic Fields, Route 206 South
	Trenton	34 021 0008	PM <sub>2.5</sub>	40.222411	-74.763167	Trenton Library, 120 Academy Street
	Washington Crossing	34 021 8001	PM <sub>2.5</sub> , ACID	40.312390	-74.872660	Washington Crossing State Park, near 66 Church Road
<b>MIDDLESEX</b>	New Brunswick	34 023 0006	PM <sub>2.5</sub> , Hg, TEOM, PM <sub>2.5</sub> Spec, TOXICS	40.472825	- 74.422403	Cook College, Log Cabin Road near Horticulture Lab
	Rutgers University	34 023 0011	NO <sub>x</sub> , O <sub>3</sub> , MET <sup>2</sup> , PAMS	40.462182	- 74.429439	Horticultural Farm #3, off Ryder's Lane
<b>MONMOUTH</b>	Monmouth University	34 025 0005	O <sub>3</sub>	40.277647	- 74.005100	Edison Science Bldg., 400 Cedar Avenue
<b>OCEAN</b>	Cattus Island	N/A	ACID	39.989400	-74.134400	1170 Cattus Island Blvd, Toms River
	Colliers Mills	34 029 0006	O <sub>3</sub>	40.064830	-74.444050	Colliers Mills Wildlife Management Area
	Toms River	34 029 2002	PM <sub>2.5</sub>	39.994908	-74.170447	Hooper Avenue Elementary School, 1517 Hooper Avenue

<sup>1</sup> See Parameter Codes, Table 4 (page Appendix A-8)

<sup>2</sup> Meteorological Measurements at the site are collected by Rutgers University

FIGURE 3  
SOUTHERN NEW JERSEY  
AIR MONITORING SITES



**Table 3  
Southern New Jersey Air Monitoring Sites**

County	Monitoring Site	AIRS Code	Parameter(s) Measured <sup>1</sup>	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
ATLANTIC	Atlantic City	34 001 1006	PM <sub>2.5</sub>	39.363528	-74.431219	1535 Bacharach Boulevard
	Brigantine	34 001 0006	Visibility, O <sub>3</sub> , SO <sub>2</sub> , TEOM, PM <sub>2.5</sub> , Hg, ACID <sup>3</sup>	39.464872	-74.448736	Edwin B. Forsythe National Wildlife Refuge Visitor Center, Great Creek Road
CAMDEN	Ancora State Hospital	34 007 1001	O <sub>3</sub>	39.684250	- 74.861491	Ancora State Hospital, 202 Spring Garden Road
	South Camden	34 007 0010	TEOM	39.923969	-75.122317	Camden County Municipal Utilities Authority, 1645 Ferry Avenue
	Camden RRF	34 007 0009	PM <sub>10</sub>	39.912431	- 75.116864	Camden RRF, Morgan Blvd. & I-676 entrance ramp
	Camden Spruce Street	34 007 0002	CO, NO <sub>x</sub> , O <sub>3</sub> , SO <sub>2</sub> , PM <sub>2.5</sub> PM <sub>2.5</sub> Spec, BTEX, Black Carbon, TOXICS	39.934446	-75.125291	Spruce St. near Locust St.
	Pennsauken	34 007 1007	PM <sub>2.5</sub>	39.989036	-75.050008	Morris-Delair Water Treatment Plant Off Griffith Morgan Lane
CUMBERLAND	Millville	34 011 0007	NO <sub>x</sub> , O <sub>3</sub>	39.422273	- 75.025204	Lincoln Avenue & Route 55. Northeast of Millville
GLOUCESTER	Clarksboro	34 015 0002	O <sub>3</sub>	39.800339	-75.212119	Clarksboro Shady Rest Home, Shady Lane and County House Road
	Gibbstown	34 015 0004	PM <sub>2.5</sub>	39.830806	-75.284723	Municipal Maintenance Yard, North School Street, North of Morse Avenue

<sup>1</sup> See Parameter Codes, Table 4 (page Appendix A-8)

<sup>3</sup> The United States Fish and Wildlife Service-Air Quality Branch (USFWS-AQB) is responsible for sample collection

**Table 4  
Parameter Codes**

<b>ACID</b>	Acid Deposition	<b>PAMS</b>	Photochemical Assessment Monitoring Station measures ozone precursors
<b>Black Carbon</b>	Measured by Aethalometer	<b>PM<sub>10</sub></b>	Coarse Particles (10 Microns or less) collected by a Federal Reference Method PM <sub>10</sub> Sampler
<b>BTEX</b>	Measured Benzene, Toluene, Ethyl benzene, and Xylenes	<b>PM<sub>2.5</sub>Spec</b>	Speciated (2.5 Microns or less) Fine Particles
<b>CO</b>	Carbon Monoxide	<b>PM<sub>2.5</sub></b>	Fine Particles (2.5 Microns or less) collected by a Federal Reference Method PM <sub>2.5</sub> Sampler
<b>Hg</b>	Mercury	<b>TEOM</b>	Real-Time PM <sub>2.5</sub> Analyzer
<b>Pb</b>	Lead	<b>SO<sub>2</sub></b>	Sulfur Dioxide
<b>MET</b>	Metrological Parameters	<b>SS</b>	Smoke Shade
<b>NO<sub>x</sub></b>	Nitrogen Dioxide and Nitric Oxide	<b>TOXICS</b>	Air Toxics
<b>NO<sub>y</sub></b>	Total Reactive Oxides of Nitrogen	<b>Visibility</b>	Measured by Nephelometer
<b>O<sub>3</sub></b>	Ozone		