



Appendix A

2011 Air Monitoring Sites

New Jersey Department of Environmental Protection

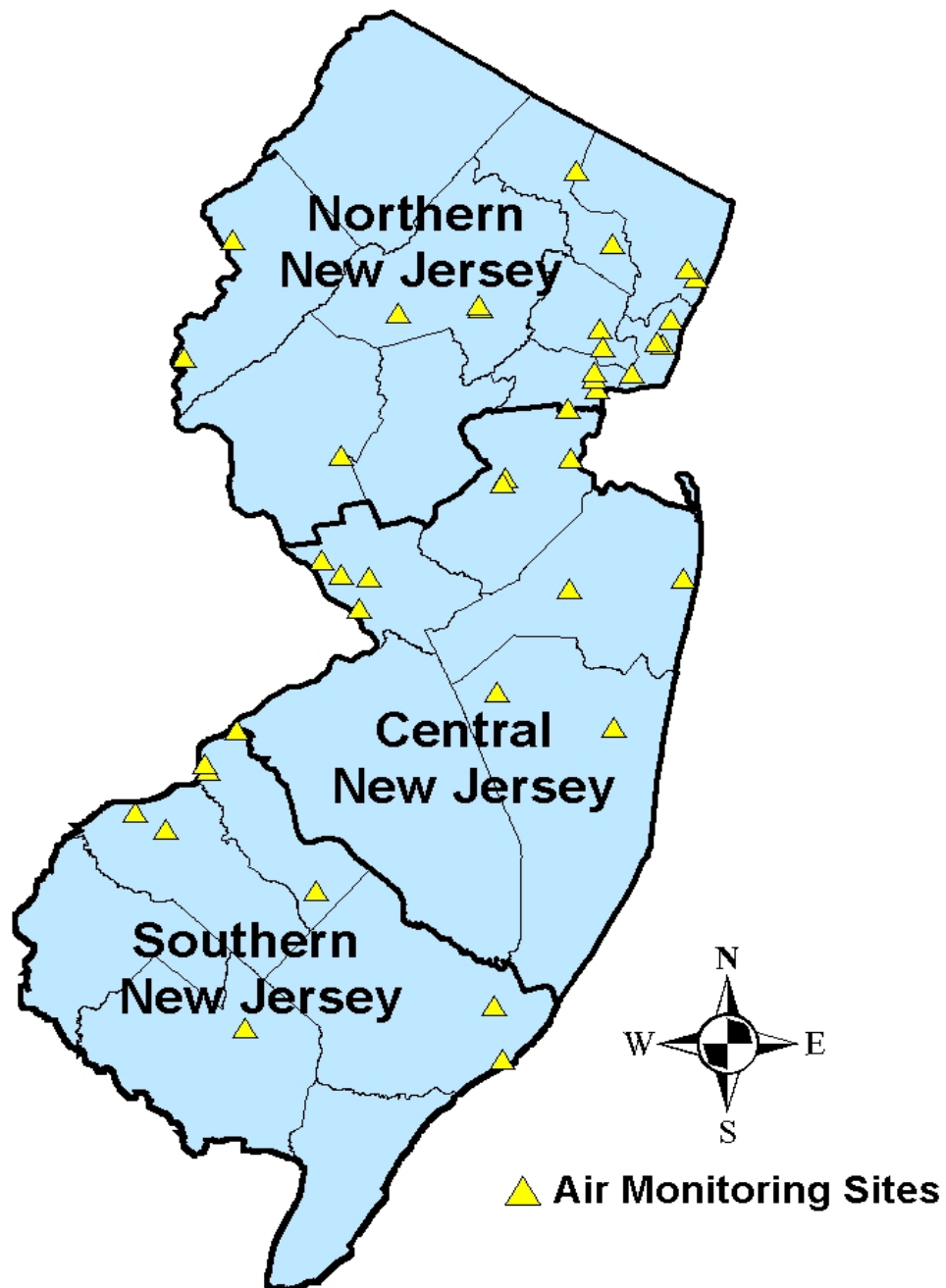


FIGURE 1
NORTHERN NEW JERSEY
AIR MONITORING SITES



Table 1
Northern New Jersey Air Monitoring Sites

County	Monitoring Site	AIRS Code	Parameter(s) Measured ¹	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
BERGEN	Fort Lee-Library	34 003 0003	PM _{2.5}	40.852256	- 73.973314	Fort Lee Public Library, 320 Main Street
	Leonia	34 003 0006	O ₃	40.870436	-73.991994	Over peck Park, 40 Fort Lee Road
ESSEX	East Orange	34 013 1003	CO, NO _x , MET	40.757501	- 74.200500	Engine No. 2, Main Street and Greenwood Avenue
	Newark-Fire House	34 013 0003	CO, O ₃ , SO ₂ , TEOM, PM _{2.5} , PM _{2.5} Spec, MET, NO _y , NO _x	40.720989	-74.192892	360 Clinton Avenue
HUDSON	Bayonne	34 017 0006	NO _x , O ₃ , SO ₂	40.670250	- 74.126081	Veterans Park on Newark Bay, 25 th St. near Park Road
	Jersey City	34 017 1002	CO, SO ₂ , SS	40.731690	- 74.066566	2828 Kennedy Boulevard
	Jersey City-Firehouse	34 017 1003	PM _{2.5} , PM ₁₀ , TEOM	40.725454	- 74.052290	Consolidated Firehouse, 355 Newark Avenue
	Union City	34 017 2002	PM _{2.5}	40.772793	-74.031718	Health Department, 714 , 31 st Street
HUNTERDON	Flemington	34 019 0001	O ₃ , MET, TEOM	40.515253	-74.806753	Raritan Twp. Municipal Utilities Authority, 365 Old York Road
MORRIS	Chester	34 027 3001	NO _x , O ₃ , SO ₂ , PM _{2.5} , TOXICS, Hg, PM _{2.5} Spec, MET	40.787628	- 74.676301	Bldg. #1, Department of Public Works, (DPW), Route 513
	Morristown	34 027 0003	CO	40.797342	-74.482494	11 Washington Street
	Morristown-Ambulance Squad	34 027 0004	PM _{2.5}	40.801211	- 74.483433	16 Early Street
PASSAIC	Paterson	34 031 0005	PM _{2.5}	40.918381	-74.168092	Health Department, 176 Broadway Avenue
	Ramapo	34 031 5001	O ₃	41.058617	- 74.255544	Ramapo Mountain State Forest, Access Road, off Skyline Drive
UNION	Elizabeth	34 039 0003	CO, SO ₂ , SS	40.662389	- 74.214817	7 Broad Street
	Elizabeth Lab	34 039 0004	CO, NO _x , SO ₂ , SS, TEOM, MET, PM _{2.5} , TOXICS, Hg, PM _{2.5} Spec	40.641440	- 74.208365	Interchange 13, New Jersey Turnpike
	Elizabeth-Mitchell Building	34 039 0006	PM _{2.5}	40.673406	-74.213889	Mitchell Bldg., 500 North Broad Street
	Rahway	34 039 2003	PM _{2.5} , TEOM	40.603943	- 74.276174	Fire Dept. Bldg., 1300 Main Street
WARREN	Columbia WMA	34 041 0007	NO _x , O ₃ , SO ₂ , PM _{2.5} , TEOM, MET	40.924606	-75.067825	Columbia Wildlife Management Area, Delaware Road
	Phillipsburg	34 041 0006	PM _{2.5}	40.699207	- 75.180525	Municipal Bldg., 675 Corliss Avenue

¹ See Parameter Codes, Table 4 (Appendix A-8)

FIGURE 2
CENTRAL NEW JERSEY
AIR MONITORING SITES

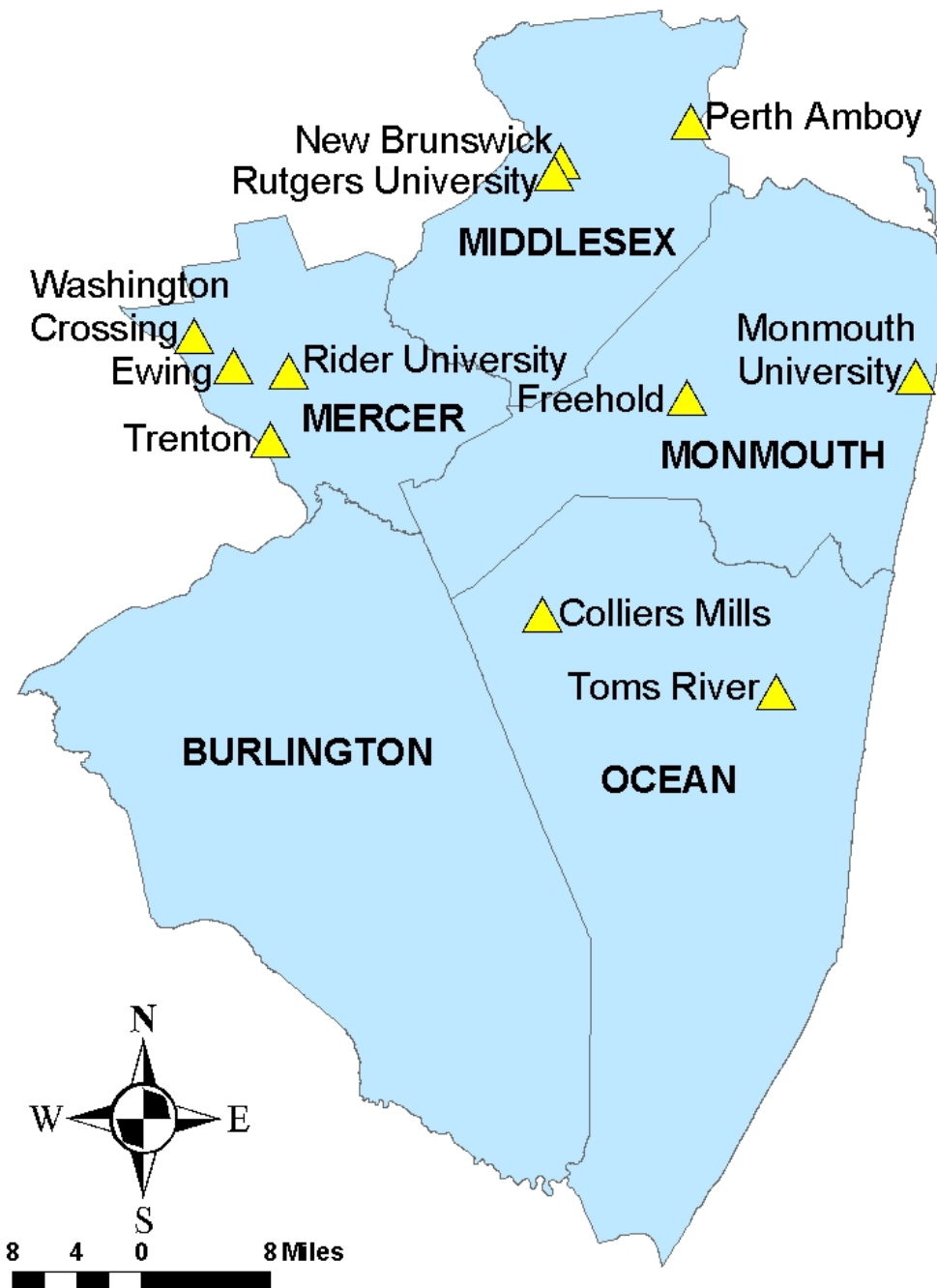


Table 2
Central New Jersey Air Monitoring Sites

County	Monitoring Site	AIRS Code	Parameter(s) Measured ¹	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
MERCER	Ewing	34 021 0010	TEOM	40.287530	-74.807770	Bureau of Air Monitoring Technical Center, 380 Scotch Road
	Rider University	34 021 0005	O ₃ , MET	40.283092	-74.742644	Athletic Fields, Route 206 South
	Trenton	34 021 0008	PM _{2.5} , PM ₁₀	40.222411	-74.763167	Trenton Library, 120 Academy Street
	Washington Crossing	34 021 8001	PM _{2.5} , ACID	40.315350	-74.853617	Washington Crossing State Park, near 66 Church Road
MIDDLESEX	New Brunswick	34 023 0006	TEOM, PM _{2.5} , Hg, PM _{2.5} Spec, TOXICS	40.472825	- 74.422403	Cook College, Log Cabin Road near Horticulture Lab
	Perth Amboy	34 023 2003	CO	40.508764	-74.268083	130 Smith Street
	Rutgers University	34 023 0011	NO _x , O ₃ , MET ² , PAMS	40.462182	- 74.429439	Horticultural Farm #3, off Ryder's Lane
MONMOUTH	Freehold	34 025 2001	CO	40.259895	- 74.274689	5 West Main Street
	Monmouth University	34 025 0005	O ₃	40.277647	- 74.005100	Edison Science Bldg., 400 Cedar Avenue
OCEAN	Colliers Mills	34 029 0006	O ₃	40.064847	-74.444058	Colliers Mills Wildlife Management Area
	Toms River	34 029 2002	PM _{2.5}	39.994908	-74.170447	Hooper Avenue Elementary School, 1517 Hooper Avenue

¹ See Parameter Codes, Table 4 (page Appendix A-8)

² Meteorological Measurements at the site are collected by Rutgers University

FIGURE 3
SOUTHERN NEW JERSEY
AIR MONITORING SITES

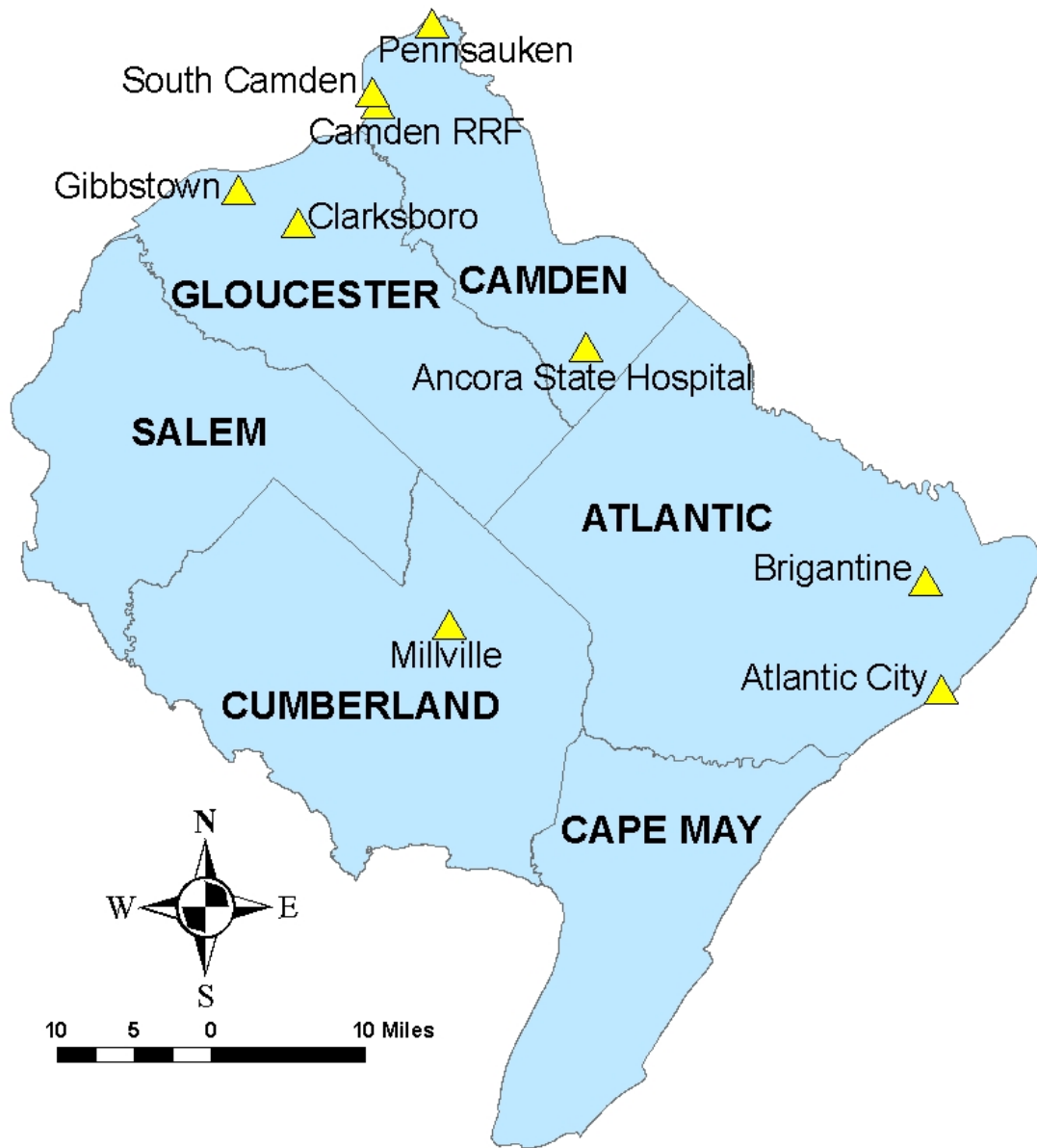


Table 3
Southern New Jersey Air Monitoring Sites

County	Monitoring Site	AIRS Code	Parameter(s) Measured ¹	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
ATLANTIC	Atlantic City	34 001 1006	PM _{2.5}	39.363528	-74.431219	1535 Bacharach Boulevard
	Brigantine	34 001 0006	Visibility, O ₃ , SO ₂ , TEOM, PM _{2.5} , Hg, ACID ³	39.464872	-74.448736	Edwin B. Forsythe National Wildlife Refuge Visitor Center, Great Creek Road
CAMDEN	Ancora State Hospital	34 007 1001	CO, O ₃ , ACID	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 ₁₀	39.912431	- 75.116864	Camden RRF, Morgan Blvd. & I-676 entrance ramp
	Pennsauken	34 007 1007	PM _{2.5}	39.989036	-75.050008	Morris-Delair Water Treatment Plant Off Griffith Morgan Lane
CUMBERLAND	Millville	34 011 0007	NO _x , O ₃ , TEOM	39.422273	- 75.025204	Lincoln Avenue & Route 55. Northeast of Millville
GLOUCESTER	Clarksboro	34 015 0002	O ₃	39.800339	-75.212119	Clarksboro Shady Rest Home, Shady Lane and County House Road
	Gibbstown	34 015 0004	PM _{2.5}	39.830806	-75.284723	Municipal Maintenance Yard, North School Street, North of Morse Avenue

¹ See Parameter Codes, Table 4 (page Appendix A-8)

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

Table 4
Parameter Codes

ACID	Acid Deposition	PAMS	Photochemical Assessment Monitoring Station measure for ozone precursors
CO	Carbon Monoxide	PM₁₀	Coarse particles (10 Microns or less) collected by a Federal Reference Method PM ₁₀ Sampler
Hg	Mercury	PM_{2.5}Spec	Speciated (2.5 Microns or Less) fine particles
MET	Meteorological Parameters	PM_{2.5}	Fine Particles (2.5 Microns or less) collected by a Federal Reference Method PM _{2.5} Sampler
Visibility	Measured by Nephelometer	TEOM	Real-Time PM _{2.5} Analyzer
NO_x	Nitrogen Dioxide and Nitric Oxide	SO₂	Sulfur Dioxide
NO_y	Total Reactive Oxides of Nitrogen	SS	Smoke Shade
O₃	Ozone	TOXICS	Air Toxics