



Appendix A

2016 Air Monitoring Sites

New Jersey Department of Environmental Protection

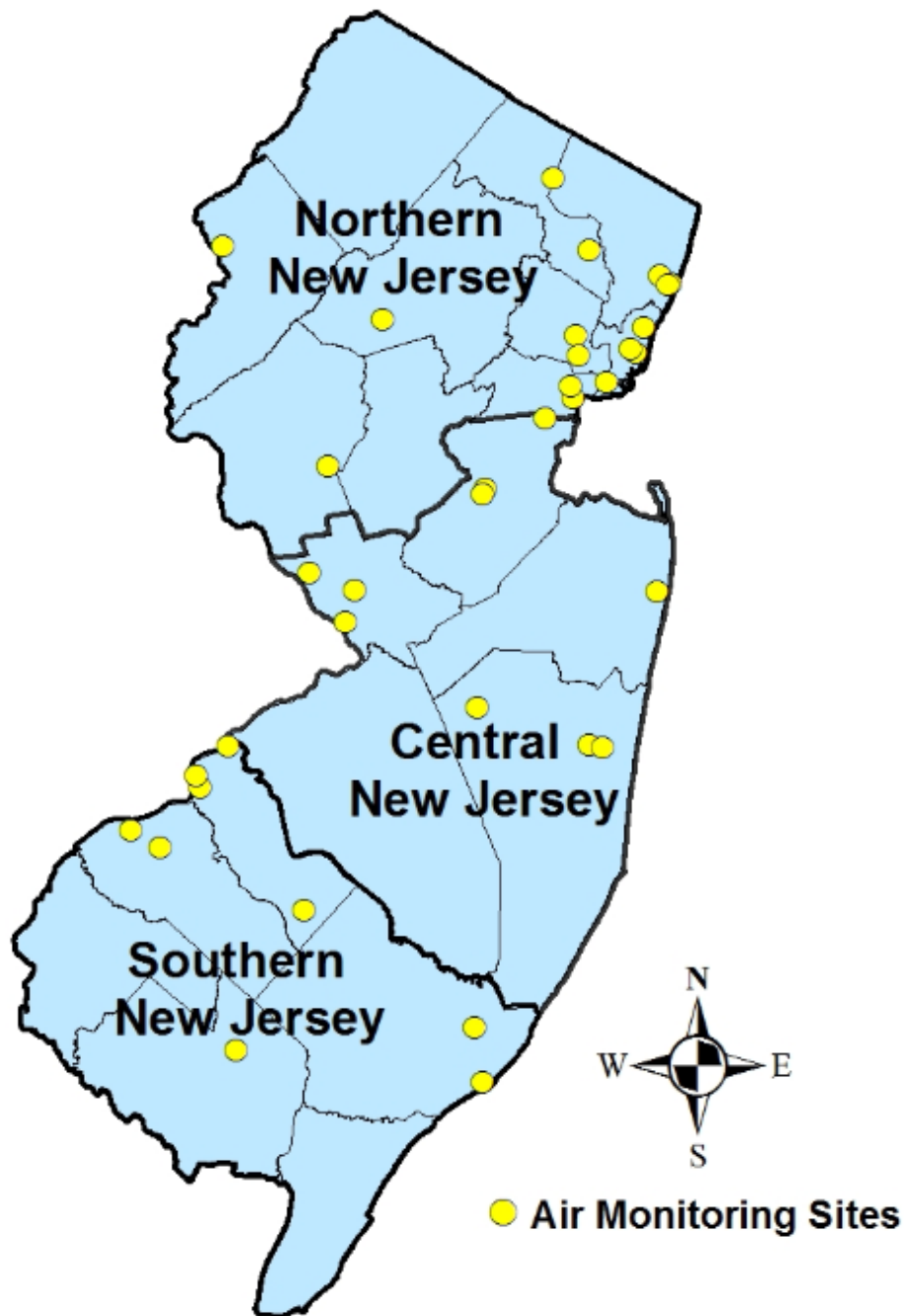
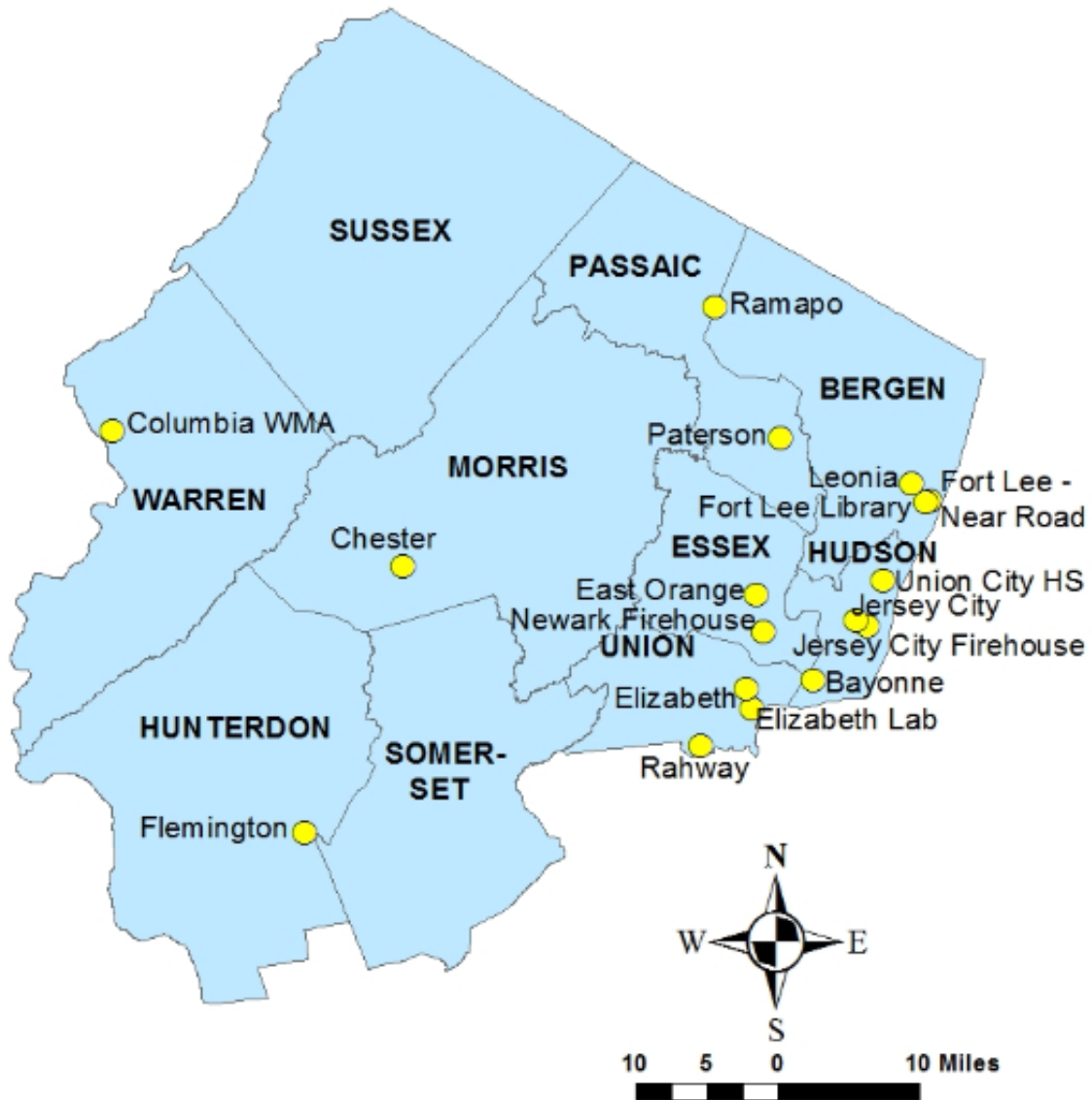


FIGURE A-1
NORTHERN NEW JERSEY
AIR MONITORING SITES

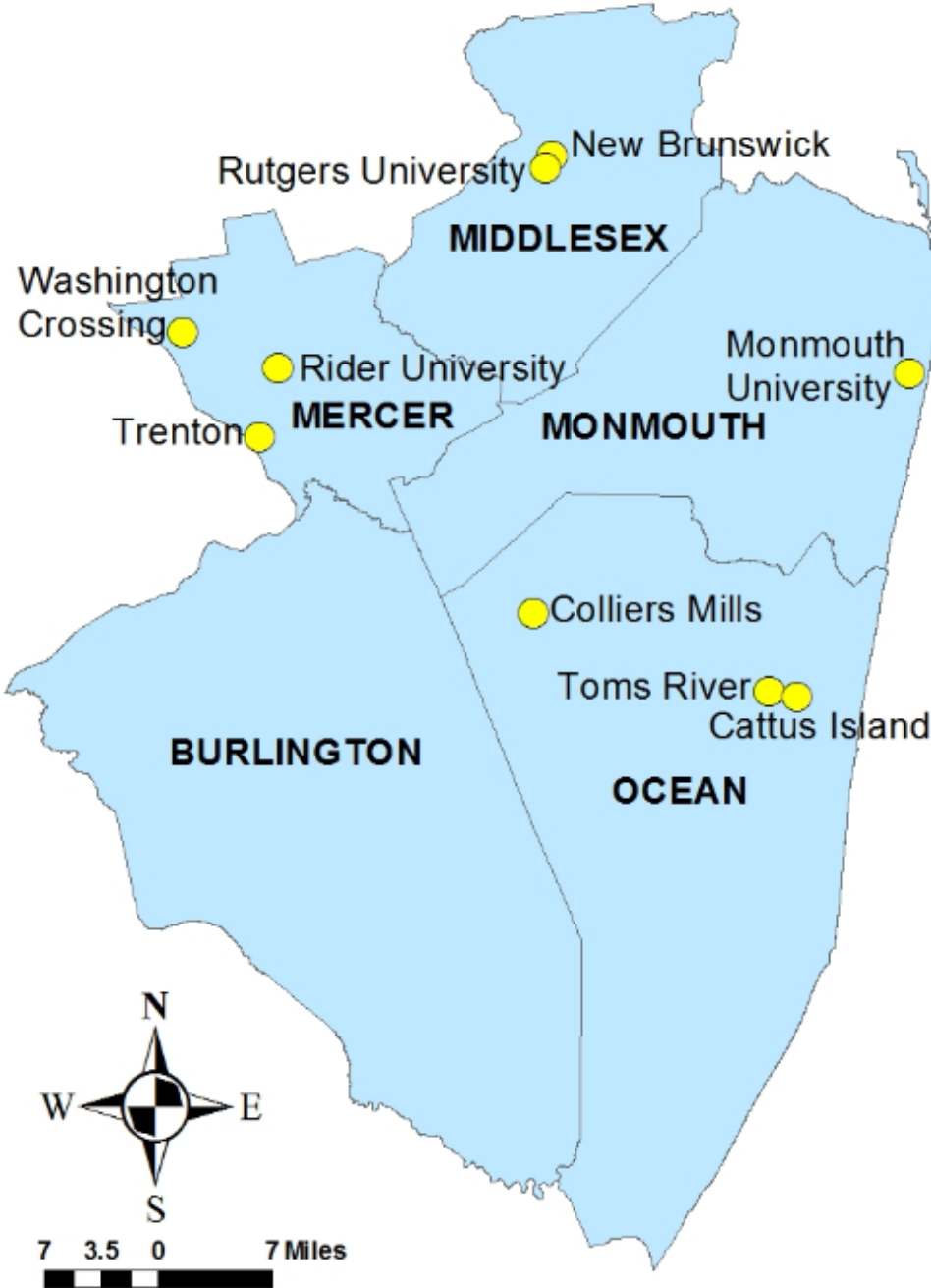


**Table A-1
Northern New Jersey Air Monitoring Sites**

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	320 Main Street
	Fort Lee Near Road	34 003 0010	CO, NO _x , Beta, BTEX, BC, Met	40.853550	-73.966180	2047 Central Ave.
	Leonia	34 003 0006	O ₃	40.870436	-73.991994	Overpeck 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 Firehouse	34 013 0003	CO, O ₃ , SO ₂ , PM _{2.5} , Spec, NO _y , NO _x , BTEX, Pb, Beta, BC, Met, PM _{coarse}	40.720989	-74.192892	Engine 10, 360 Clinton Avenue
HUDSON	Bayonne	34 017 0006	NO _x , O ₃ , SO ₂ , BTEX, BC, Met	40.670250	- 74.126081	Park Rd at end of W. 25th St.
	Jersey City	34 017 1002	CO, NO _x , SO ₂	40.731645	- 74.066308	2828 John F. Kennedy Boulevard
	Jersey City Firehouse	34 017 1003	PM _{2.5} , PM ₁₀ , Beta	40.725454	- 74.052290	Engine 6, 355 Newark Avenue
	Union City High School	34 017 0008	PM _{2.5}	40.770908	-74.036218	2500 John F. Kennedy Blvd.
HUNTERDON	Flemington	34 019 0001	O ₃ , Met, Beta	40.515262	-74.806671	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, Spec	40.787628	- 74.676301	Bldg. #1, Department of Public Works, (DPW), 50 North Road
PASSAIC	Paterson	34 031 0005	PM _{2.5}	40.918381	-74.168092	Health Department, 176 Broadway
	Ramapo	34 031 5001	O ₃	41.058617	- 74.255544	Ramapo Mountain State Forest, Access Road, off Skyline Drive, Wanaque
UNION	Elizabeth	34 039 0003	CO, SO ₂	40.662493	- 74.214800	7 Broad Street
	Elizabeth Lab	34 039 0004	CO, NO _x , SO ₂ , Met, PM _{2.5} , Toxics, Hg, Spec, BTEX, BC, Beta	40.641440	- 74.208365	Interchange 13 Toll Plaza, New Jersey Turnpike
	Rahway	34 039 2003	PM _{2.5} , TEOM	40.603943	- 74.276174	Fire Dept. Headquarters, 1300 Main Street
WARREN	Columbia WMA	34 041 0007	NO _x , O ₃ , SO ₂ , PM _{2.5} , Met, Beta	40.924580	-75.067815	Columbia Wildlife Management Area, 105 Delaware Road, Knowlton Twp.

¹ See Parameter Codes, Table 4 (page 8)

FIGURE A-2
CENTRAL NEW JERSEY
AIR MONITORING SITES



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

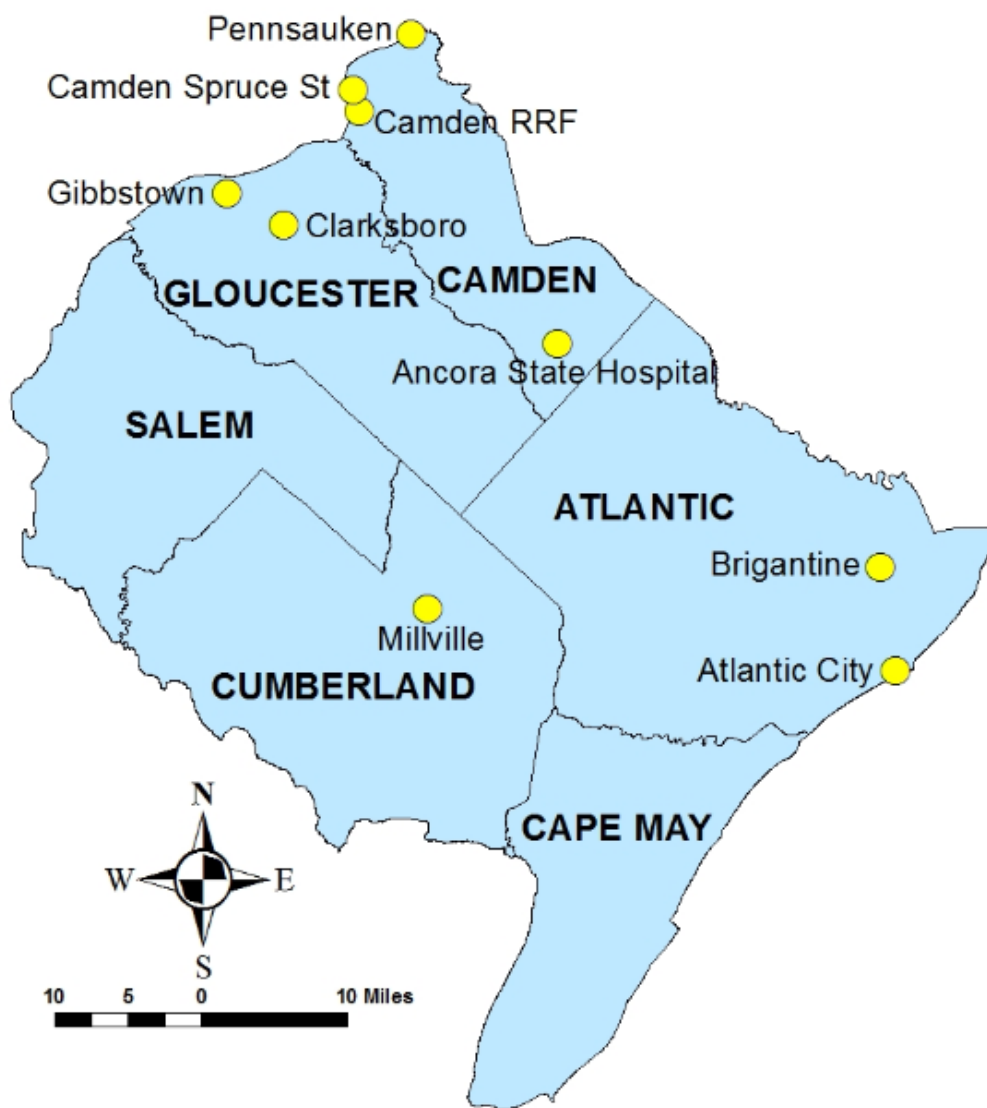
County	Monitoring Site	AIRS Code	Parameter(s) Measured ¹	Coordinates (Decimal degrees)		Address
				Latitude	Longitude	
MERCER	Rider University	34 021 0005	O ₃ , Met, Beta	40.283092	-74.742644	2083 Lawrenceville Rd, Athletic Fields, Lawrence Twp.
	Trenton	34 021 0008	PM _{2.5}	40.222411	-74.763167	Trenton Public Library, 120 Academy Street
	Washington Crossing	N/A	ACID	40.315359	-74.853613	1240 Bear Tavern Road, Washington Crossing State Park, Titusville
MIDDLESEX	New Brunswick	34 023 0006	Spec	40.472825	- 74.422403	Log Cabin Road near Horticulture Lab
	Rutgers University	34 023 0011	NO _x , O ₃ , Met ² , PAMS, Beta, PM _{2.5} , Toxics, Spec	40.462182	- 74.429439	Horticultural Farm #3, 67 Ryders Lane, East Brunswick
MONMOUTH	Monmouth University	34 025 0005	O ₃	40.277647	- 74.005100	Edison Science Bldg., 400 Cedar Avenue, West Long Branch
OCEAN	Cattus Island	N/A	ACID ³	39.989636	-74.134132	Cattus Island County Park, end of Bandon Road, Toms River
	Colliers Mills	34 029 0006	O ₃	40.064830	-74.444050	Colliers Mills Wildlife Management Area, Success Rd. near Hawkin Rd., Jackson Twp.
	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 8)

² Meteorological measurements at the site are collected by Rutgers University

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

FIGURE A-3
SOUTHERN NEW JERSEY
AIR MONITORING SITES



**Table A-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}	39.363260	-74.431000	Atlantic Cape Community College, 1535 Bacharach Boulevard
	Brigantine	34 001 0006	Visibility, O ₃ , SO ₂ , Beta, PM _{2.5} , Hg, ACID ²	39.464872	-74.448736	Edwin B. Forsythe National Wildlife Refuge Visitor Center, 800 Great Creek Road, Galloway
CAMDEN	Ancora State Hospital	34 007 1001	O ₃	39.684250	- 74.861491	301 Spring Garden Road, Hammonton
	Camden RRF	34 007 0009	PM ₁₀	39.912431	- 75.116864	600 Morgan Street
	Camden Spruce Street	34 007 0002	CO, NO _x , O ₃ , SO ₂ , PM _{2.5} , Spec, BTEX, BC, Toxics, Met, Beta	39.934446	-75.125291	226-298 Spruce Street
	Pennsauken	34 007 1007	PM _{2.5}	39.989036	-75.050008	Morris-Delair Water Treatment Plant, 8999 Zimmerman Ave.
CUMBERLAND	Millville	34 011 0007	NO _x , O ₃ , Beta	39.422273	- 75.025204	Next to 4425 South Main Road
GLOUCESTER	Clarksboro	34 015 0002	O ₃	39.800339	-75.212119	Shady Lane Complex, 256 County House Road
	Gibbstown	34 015 0004	PM _{2.5}	39.830837	-75.284682	Municipal Maintenance Yard, 61 North School Street

¹ See Parameter Codes, Table 4 (page 8)

² United States Fish and Wildlife Service-Air Quality Branch (USFWS-AQB) is responsible for sample collection.

**Table A-4
Parameter Codes**

ACID	Acid Deposition	Pb	Lead
BC	Black carbon measured by aethalometer	PM _{2.5}	Fine particles (2.5 microns or less) collected by a Federal Reference Method PM _{2.5} sampler
Beta	Real-time PM _{2.5} analyzer	PM ₁₀	Coarse particles (10 microns or less) collected by a Federal Reference Method PM ₁₀ sampler
BTEX	Measures benzene, toluene, ethylbenzene and xylenes	PM _{coarse}	Difference between PM ₁₀ and PM _{2.5} measurements
CO	Carbon monoxide	SO ₂	Sulfur dioxide
Hg	Mercury	Spec	Speciated fine particles (2.5 microns or less)
Met	Meteorological parameters	SS	Smoke shade
NO _x	Nitrogen dioxide and nitric oxide	TEOM	Real-time PM _{2.5} analyzer
NO _y	Total reactive oxides of nitrogen	Toxics	Air toxics
O ₃	Ozone	Visibility	Measured by nephelometer
PAMS	Photochemical Assessment Monitoring Station, measures ozone precursors		