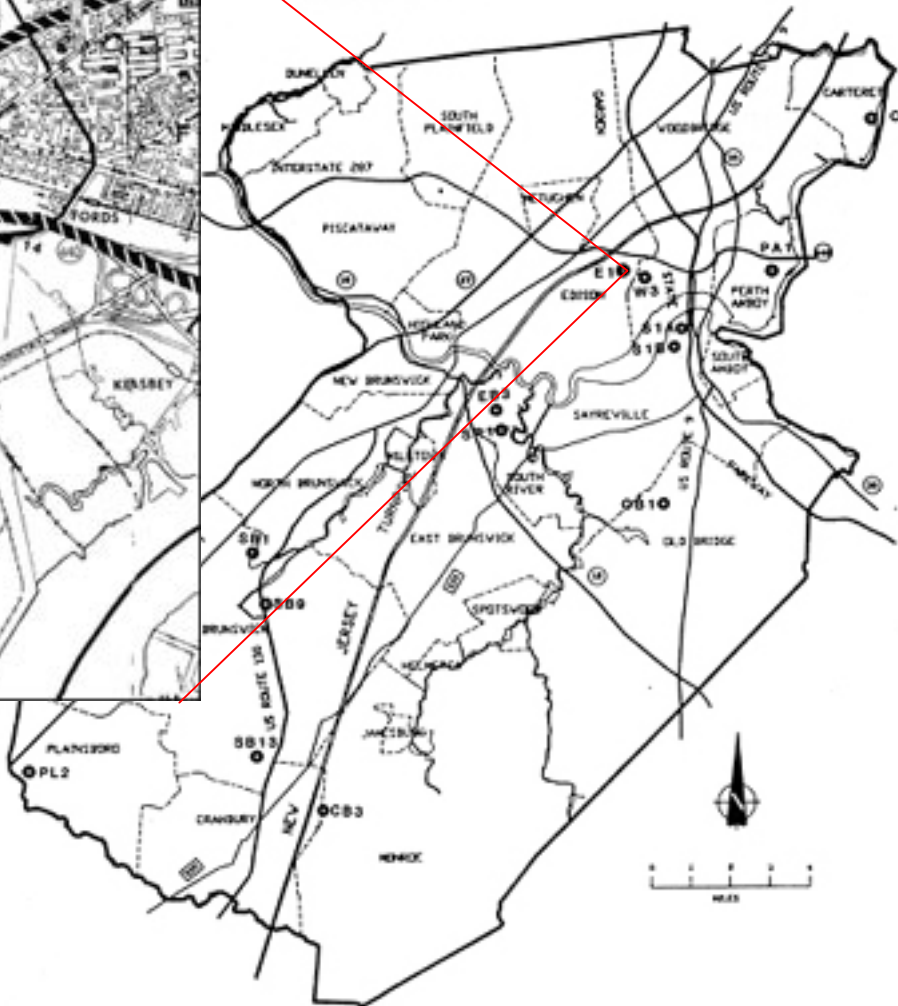


FIGURE 1
 CANDIDATE SITES
 MIDDLESEX RESOURCE RECOVERY



**MIDDLESEX COUNTY UTILITY AUTHORITY -
 SITING STUDIES AND ENVIRONMENTAL IMPACT ANALYSES**

Konheim & Ketcham performed the siting study for an 1,800 ton per day resource recovery facility to dispose of County waste. K&K prepared environmental assessments of each of 16 sites. Dispersion modeling was undertaken with estimated emission factors. A preliminary health risk assessment of maximum ground level concentrations and deposition was prepared. Traffic level of service was calculated for critical intersections. Ecological assessments identified flora and fauna and soil types at each candidate site. After ranking the sites, using the citizens' weighting scheme, the top four sites were studied in greater detail, approximating the investigation effort applied to environmental impact statements. A site was selected and the County Solid Waste Management Plan was amended by unanimous vote of the County legislators.

K&K developed a detailed countywide truck route plan in consultation with the refuse haulers, and we prepared the major sections of a preliminary environmental and health impact statement for the selected Sayreville site. The firm performed or directed all air quality analyses, including a pioneering effort to characterize upset emissions, modeling of 12 other major air pollution sources in the area, a comprehensive health risk assessment, all traffic analyses, noise analyses, archaeological and aesthetic studies, land use, zoning, demographic and socio-economic assessments.