



**EXPLANATION**

<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> Reich Farm NPL Site	<span style="display:inline-block; width:15px; border-bottom:1px solid blue;"></span> Water pipeline
<span style="display:inline-block; width:15px; height:15px; background-color:lightcoral; border:1px solid black;"></span> Ciba-Geigy NPL Site	<span style="display:inline-block; width:15px; border-bottom:1px solid green;"></span> Major road
<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span> Dover Township	<span style="display:inline-block; width:15px; border-bottom:1px solid grey;"></span> Hydrography
<span style="display:inline-block; width:15px; height:15px; background-color:lightblue; border:1px solid black;"></span> Water body	<span style="display:inline-block; width:10px; height:10px; border:1px solid blue; border-radius:50%;"></span> Municipal well
	<span style="display:inline-block; width:10px; height:10px; background-color:yellow; border:1px solid black; transform: rotate(45deg);"></span> Storage tank

**Land-use classification at pipeline nodes**

<span style="display:inline-block; width:10px; height:10px; background-color:red; border-radius:50%;"></span> Central business district	<span style="display:inline-block; width:10px; height:10px; background-color:orange; border-radius:50%;"></span> Planned retirement community
<span style="display:inline-block; width:10px; height:10px; background-color:blue; border-radius:50%;"></span> Highway business	<span style="display:inline-block; width:10px; height:10px; background-color:lightcoral; border-radius:50%;"></span> Residential
<span style="display:inline-block; width:10px; height:10px; background-color:purple; border-radius:50%;"></span> Hospital-medical service	<span style="display:inline-block; width:10px; height:10px; background-color:green; border-radius:50%;"></span> Rural
<span style="display:inline-block; width:10px; height:10px; background-color:cyan; border-radius:50%;"></span> Industrial	
<span style="display:inline-block; width:10px; height:10px; background-color:yellow; border-radius:50%;"></span> Office	

Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches  
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data  
 (3) Pipeline from water-utility database (Flegal 1997)  
 (4) Land-use data from 1978 Dover Township zoning map; land-use data not available for Berkeley Township and South Toms River Borough  
 (5) Only positive demand nodes assigned a land-use classification



**Dover Township Area, New Jersey  
 Water-Distribution System Model  
 Historical Reconstruction Analysis**

Maslia ML, Sautner JB, Aral MM, Gillig RE, Reyes JJ, Williams RC. 2001. Historical reconstruction of the water-distribution system serving the Dover Township area, New Jersey: January 1962–December 1996. Atlanta: Agency for Toxic Substances and Disease Registry.

**PLATE 49. AREAL DISTRIBUTION OF LAND-USE CLASSIFICATION ASSIGNED TO PIPELINE NODES  
 1978 WATER-DISTRIBUTION SYSTEM, DOVER TOWNSHIP AREA, NEW JERSEY**  
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams