

**EXPLANATION**

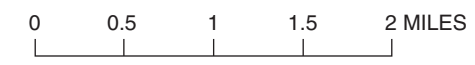
<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> Reich Farm NPL Site	<span style="display:inline-block; width:15px; border-bottom:1px solid blue;"></span> Water pipeline
<span style="display:inline-block; width:15px; height:15px; background-color:lightcoral; 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:15px; height:15px; border:1px solid blue; border-radius:50%;"></span> Municipal well
	<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black; transform: rotate(45deg);"></span> Storage tank

**E**  Pipeline location and letter. Percent contribution is reported in text

Percentage of water contributed by Parkway wells (22, 23, 24, 25, 26, 27, 28, 29), 24-hour average

<span style="display:inline-block; width:15px; height:15px; background-color:orange; border-radius:50%;"></span> 1 to 10	<span style="display:inline-block; width:15px; height:15px; background-color:lightblue; border-radius:50%;"></span> 50 to 75
<span style="display:inline-block; width:15px; height:15px; background-color:lightgreen; border-radius:50%;"></span> 10 to 25	<span style="display:inline-block; width:15px; height:15px; background-color:blue; border-radius:50%;"></span> 75 to 90
<span style="display:inline-block; width:15px; height:15px; background-color:lightcyan; border-radius:50%;"></span> 25 to 50	<span style="display:inline-block; width:15px; height:15px; background-color:darkblue; border-radius:50%;"></span> 90 to 100

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) Percentage of water based on model reaching dynamic equilibrium after 1,200 hours of simulation time



**PLATE 91. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE PARKWAY WELLS (22, 23, 24, 25, 26, 27, 28, 29) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1978 CONDITIONS**

By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



**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.