

**EXPLANATION**

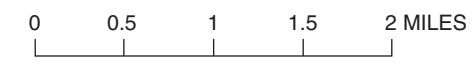
|   |  |
|---|--|
| <span style="display:inline-block; width:15px; height:15px; background-color:lightcoral; border:1px solid black;"></span> Reich Farm NPL Site | <span style="display:inline-block; width:15px; border-bottom:1px solid blue;"></span> Water pipeline   |
| <span style="display:inline-block; width:15px; height:15px; background-color:lightpink; 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:lightyellow; border:1px solid black;"></span> Dover Township     | <span style="display:inline-block; width:15px; border-bottom:1px solid gray;"></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; border-left:1px solid yellow; border-right:1px solid yellow;"></span> Storage tank |

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

Percentage of water contributed by Route 70 well (31), 24-hour average

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



**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 146. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE ROUTE 70 WELL (31) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1996 CONDITIONS**

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