

- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank
 - Water pipeline

- Land-use classification at pipeline nodes**
- Central business district
 - Highway business
 - Hospital-medical service
 - Industrial
 - Office
 - Planned retirement community
 - Residential
 - Rural

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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 1957 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

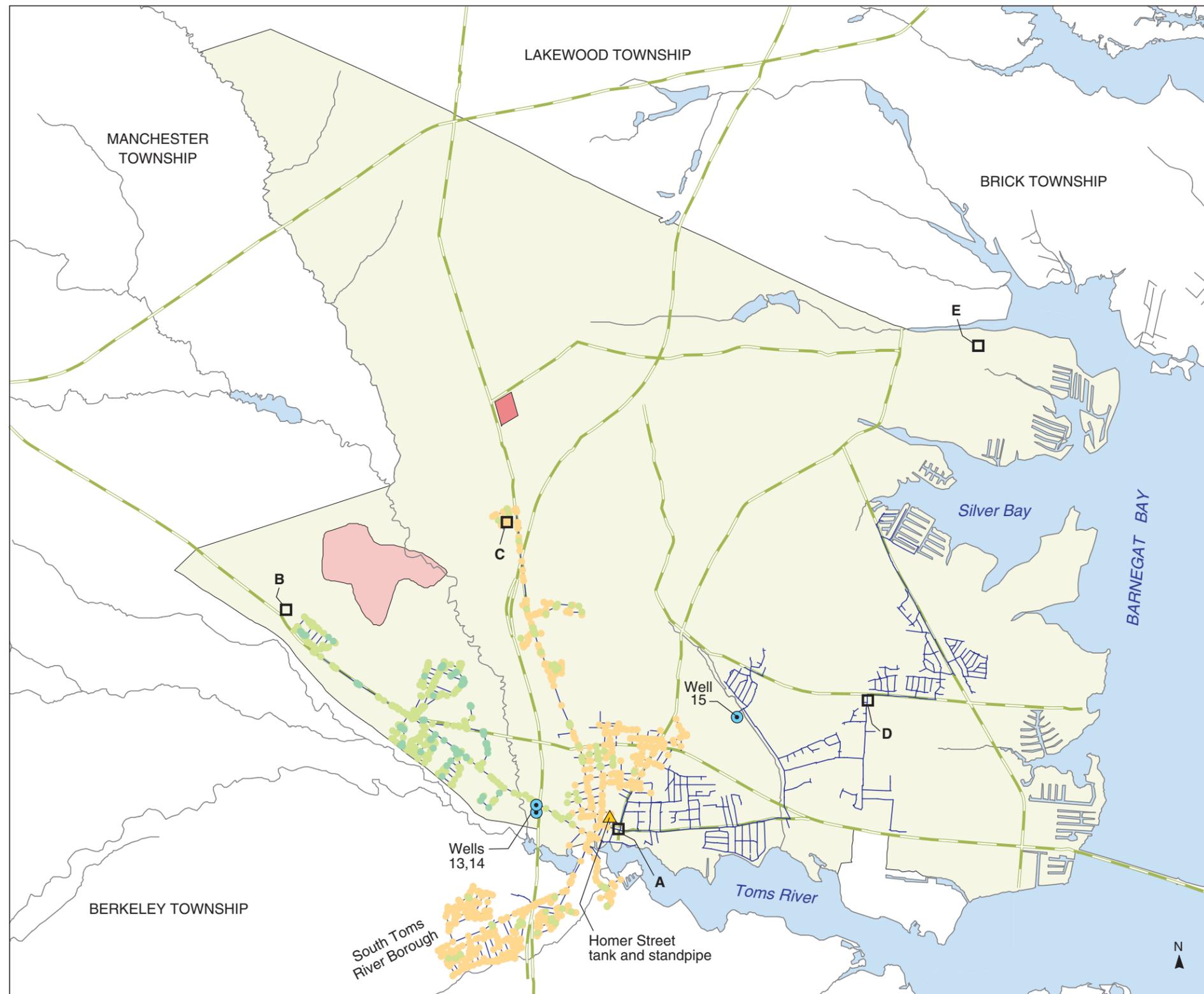


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 51. AREAL DISTRIBUTION OF LAND-USE CLASSIFICATION ASSIGNED TO PIPELINE NODES
 1962 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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly wells (13, 14), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

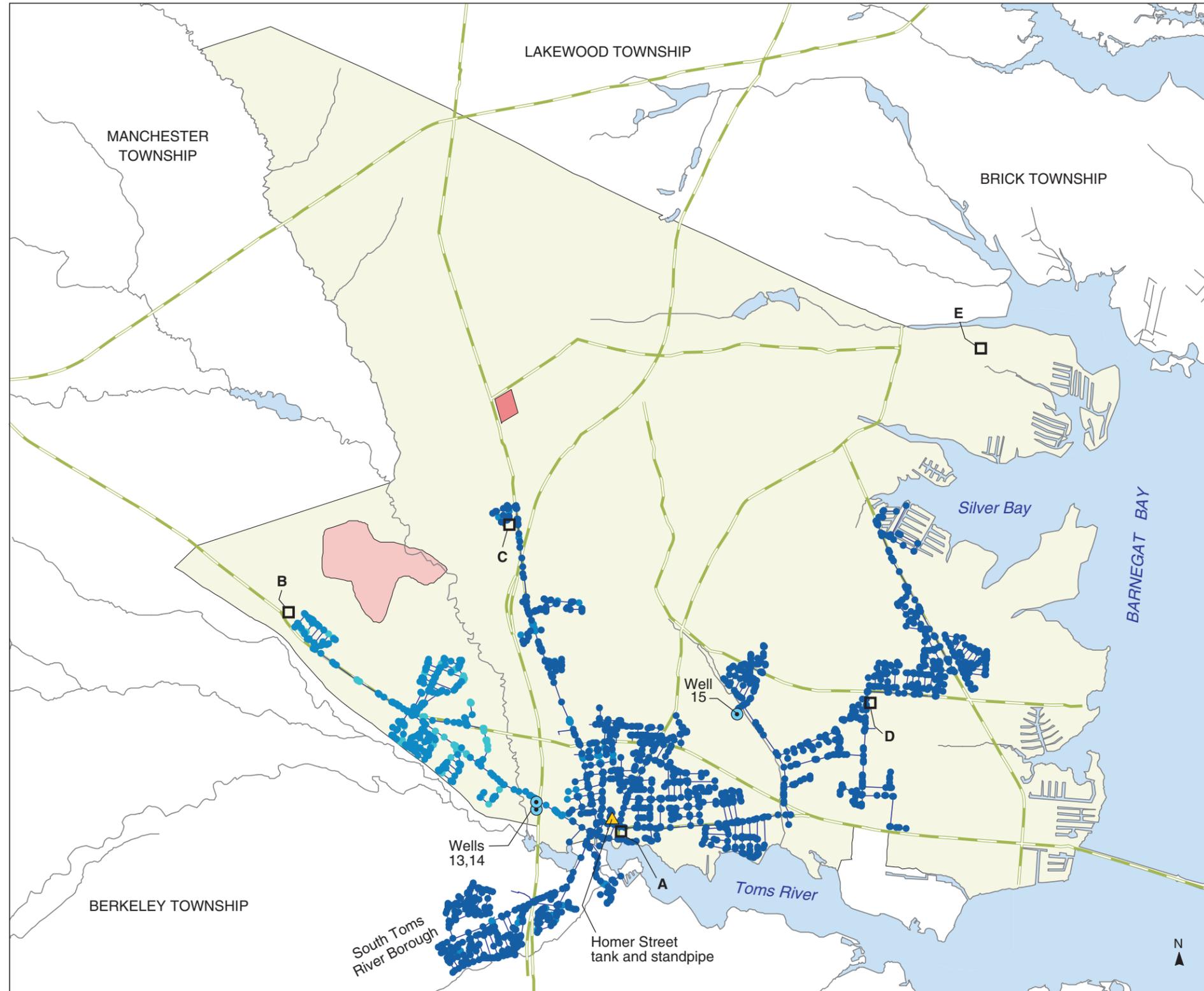
Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Percentage of water based on model reaching dynamic equilibrium after 1,200 hours of simulation time



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

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PLATE 52. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (13, 14) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1962 CONDITIONS
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



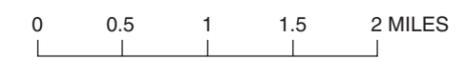
- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

- 1 to 10
- 50 to 75
- 10 to 25
- 75 to 90
- 25 to 50
- 90 to 100

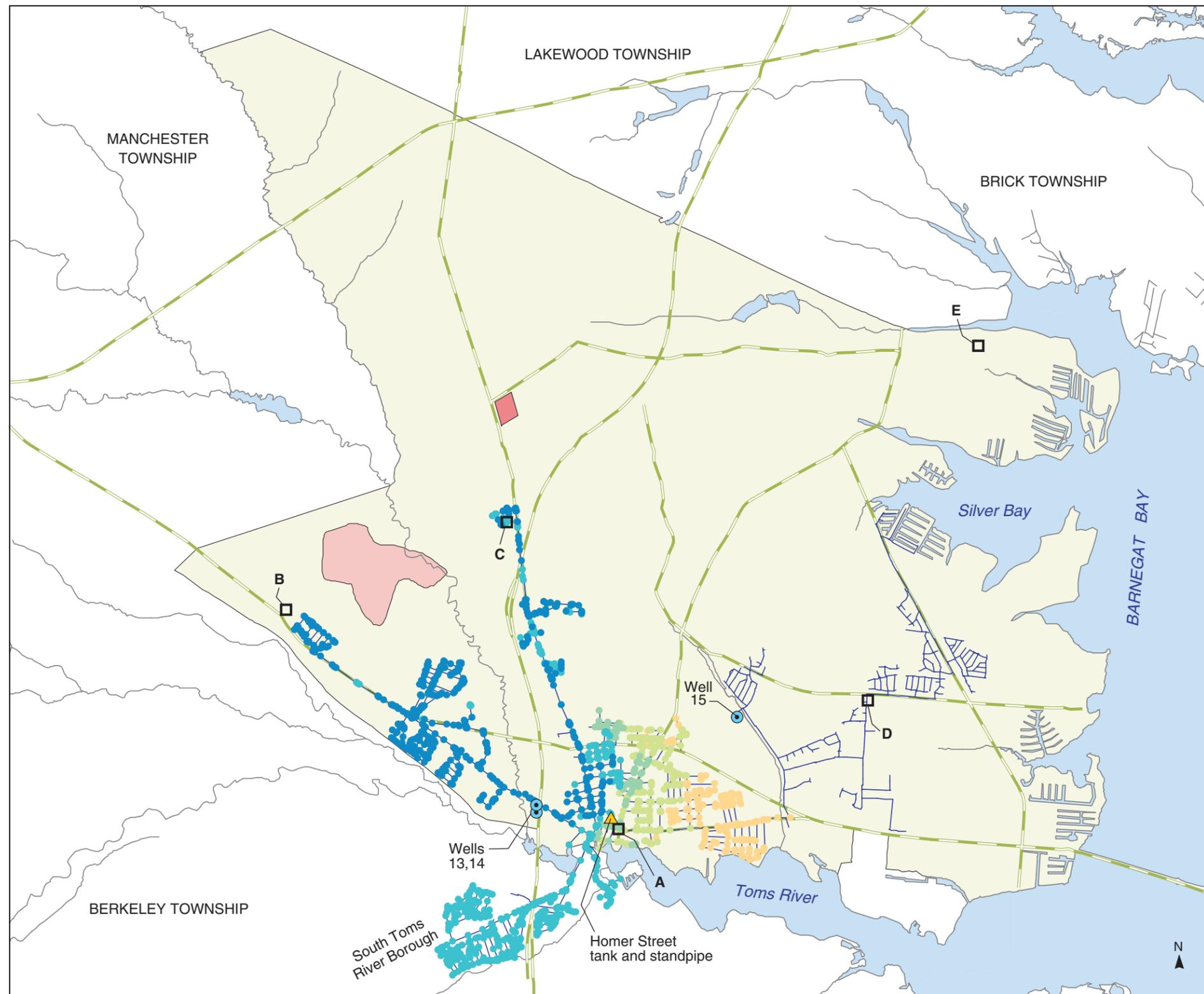
- Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Percentage of water based on model reaching dynamic equilibrium after 1,200 hours of simulation 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 53. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1962 CONDITIONS
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly wells (13, 14), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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

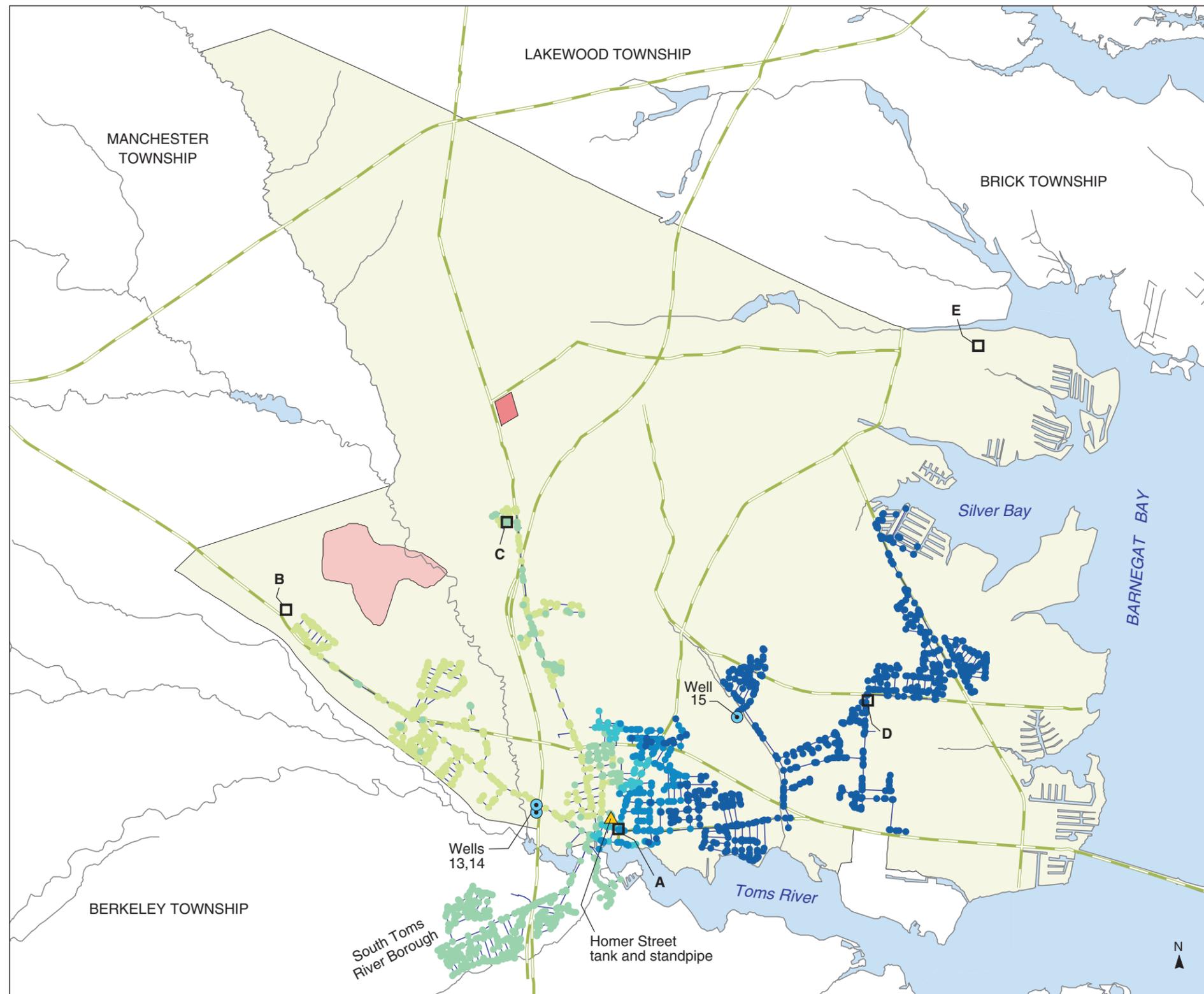


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 54. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (13, 14) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, MAY 1962 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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



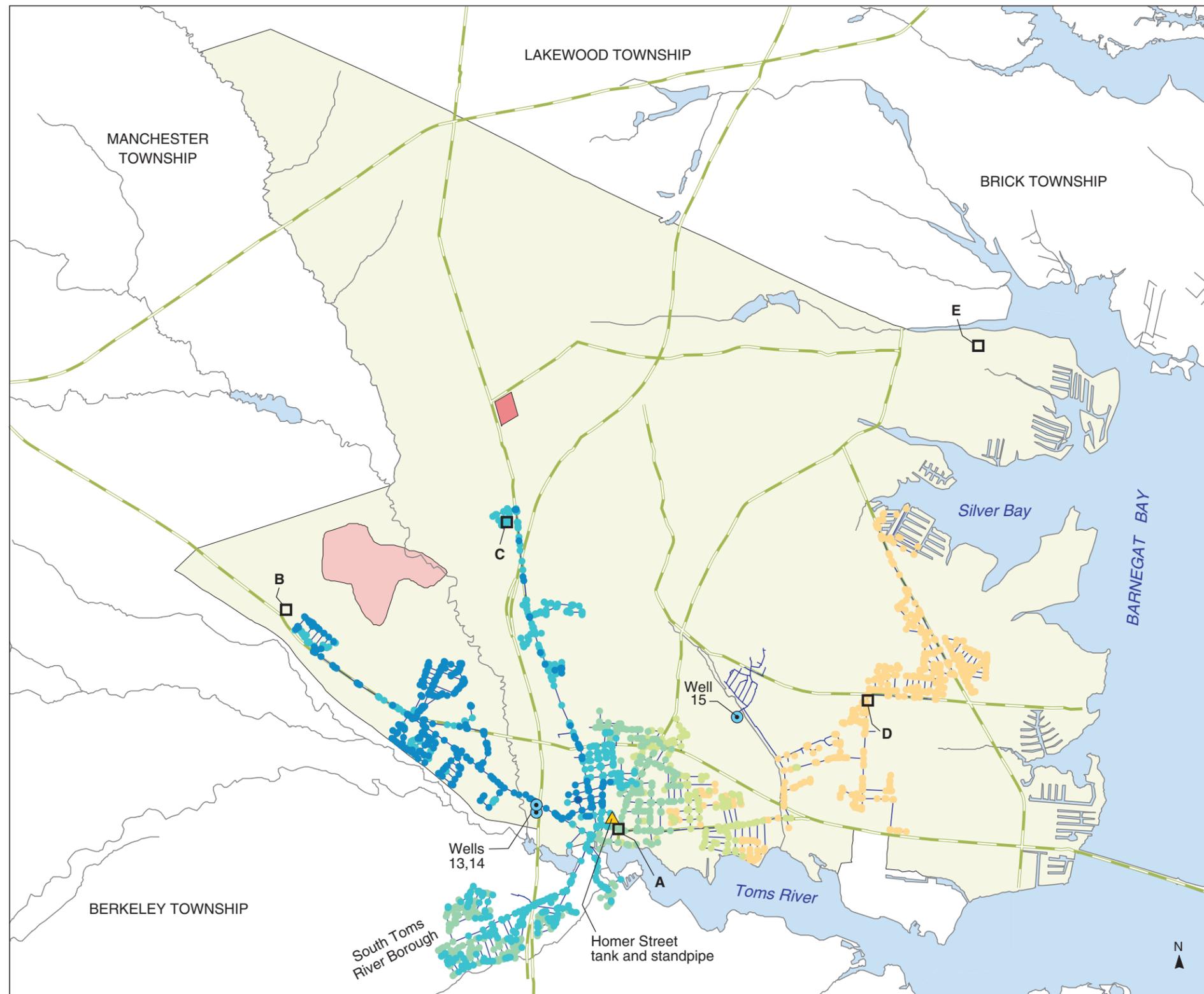
PLATE 55. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, MAY 1962 CONDITIONS

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.



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by Holly wells (13, 14), 24-hour average

- 1 to 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 90
- 90 to 100

- Notes: (1) Water pipelines range in diameter from 2 inches to 12 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

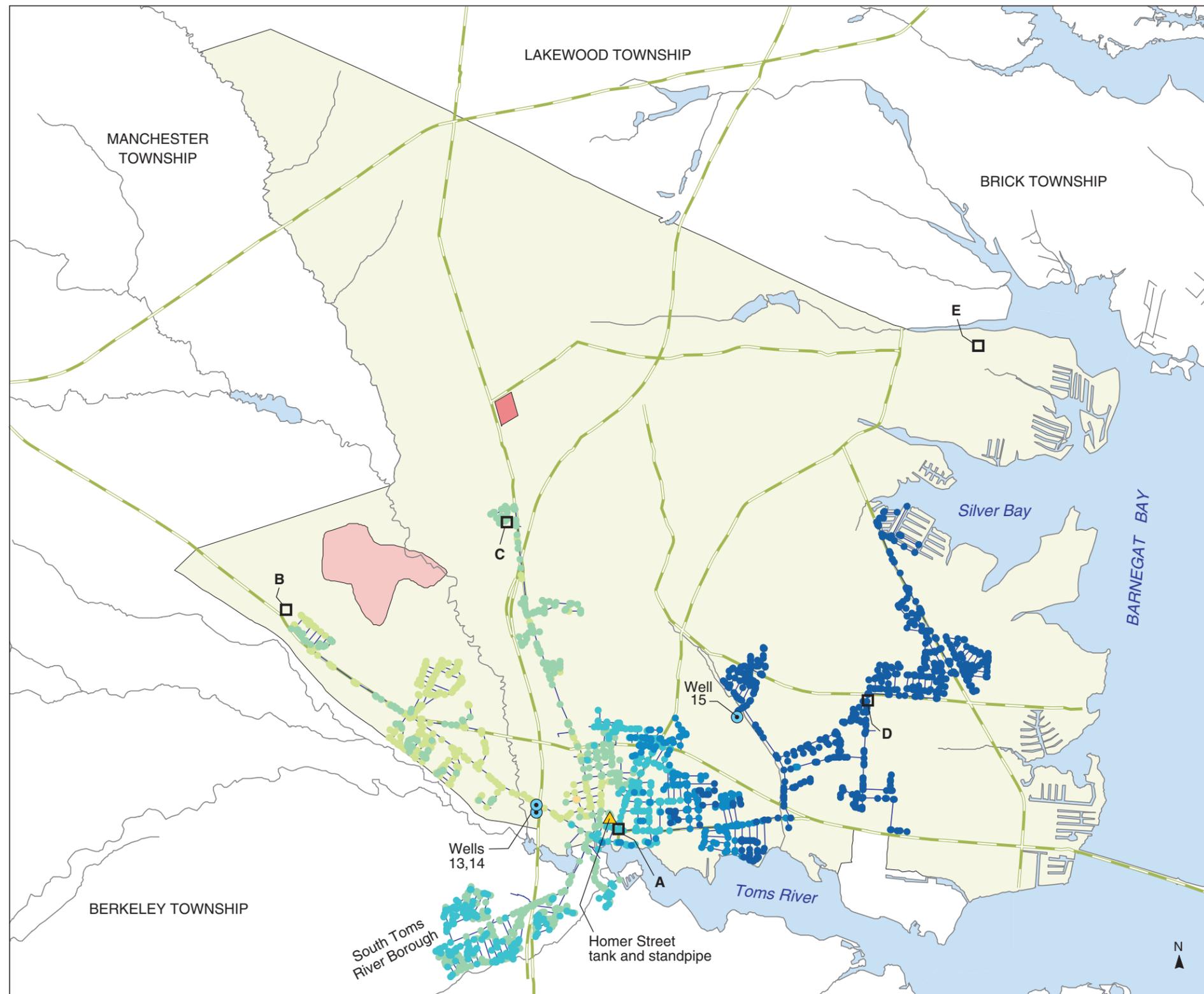


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 56. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (13, 14) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1962 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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

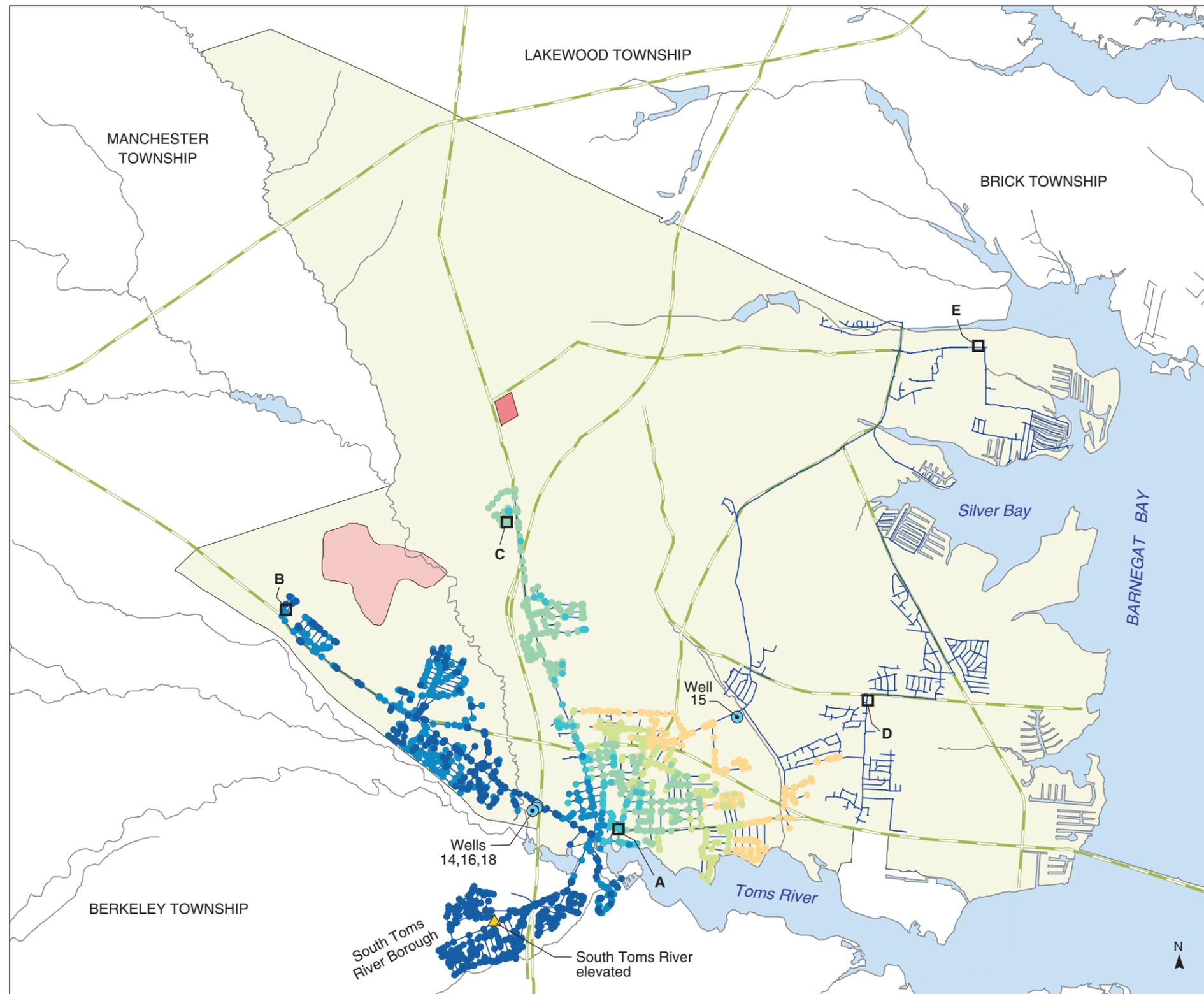


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 57. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1962 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly well (16), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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

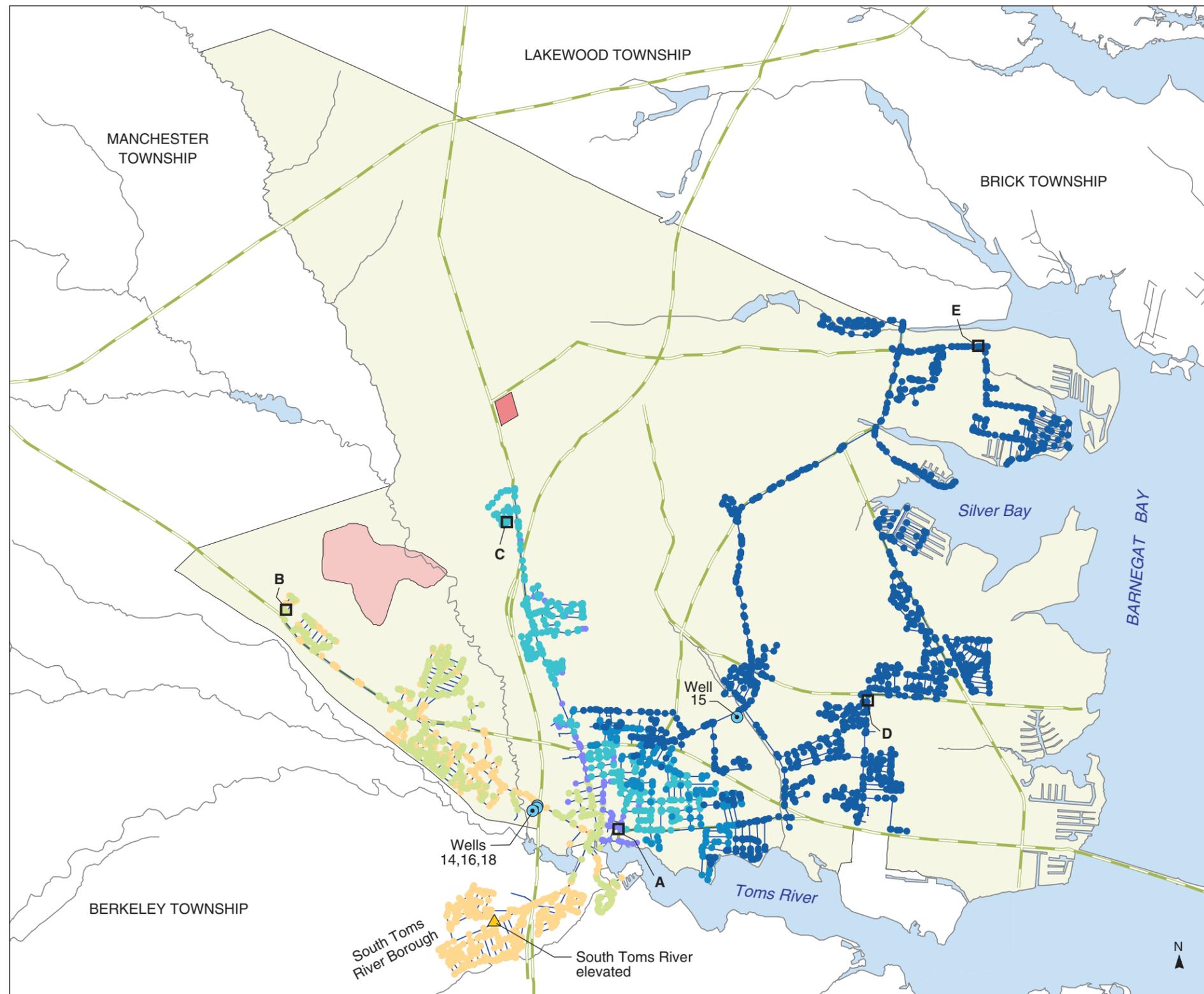


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 58. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELL (16) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1965 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

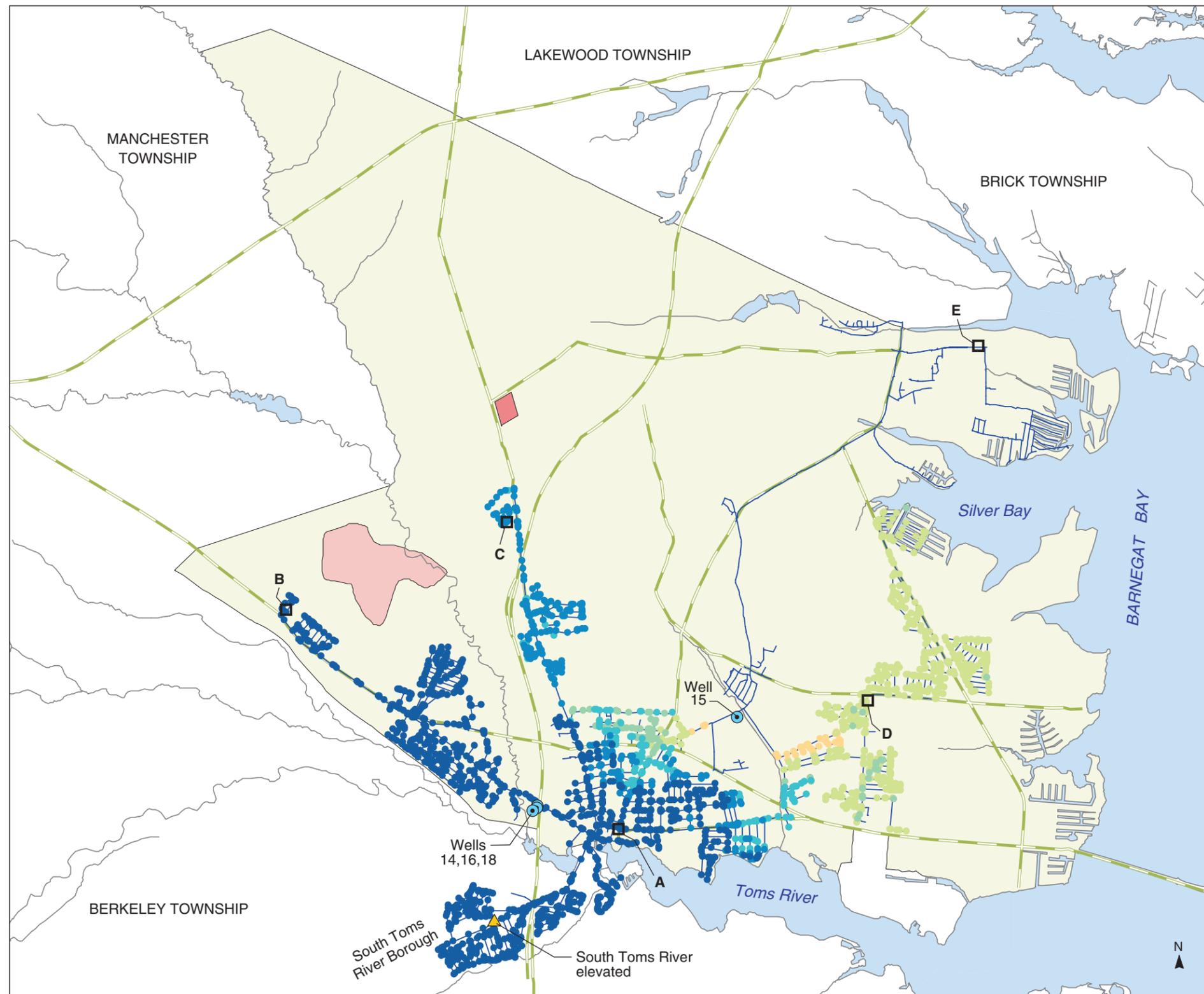
Notes: (1) Water pipelines range in diameter from 2 inches to 12 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Percentage of water based on model reaching dynamic equilibrium after 1,200 hours of simulation time



**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 59. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1965 CONDITIONS
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

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

Percentage of water contributed by Holly wells (14, 16, 18), 24-hour average

● 1 to 10	● 50 to 75
● 10 to 25	● 75 to 90
● 25 to 50	● 90 to 100

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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

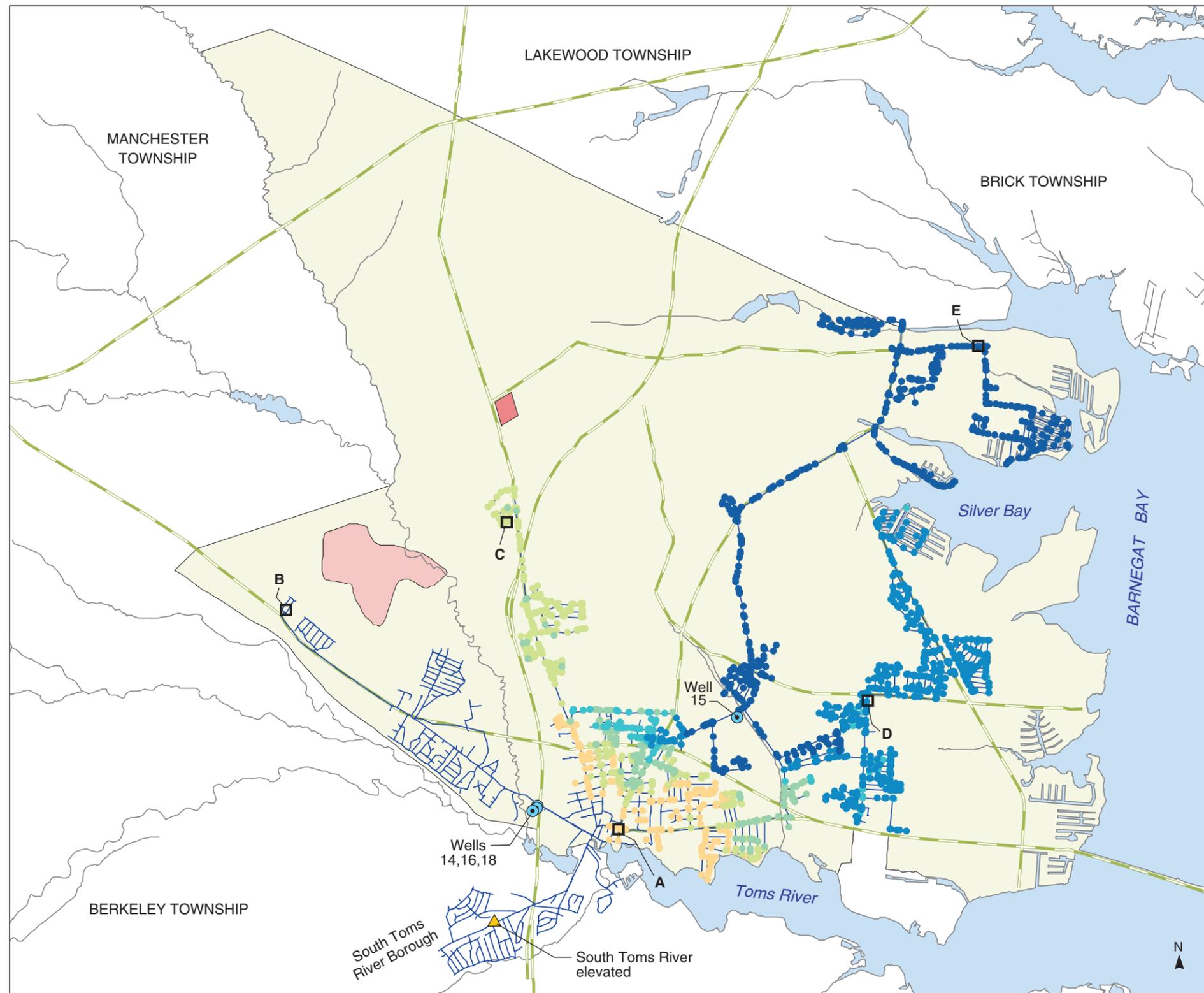


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 60. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (14, 16, 18) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1965 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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

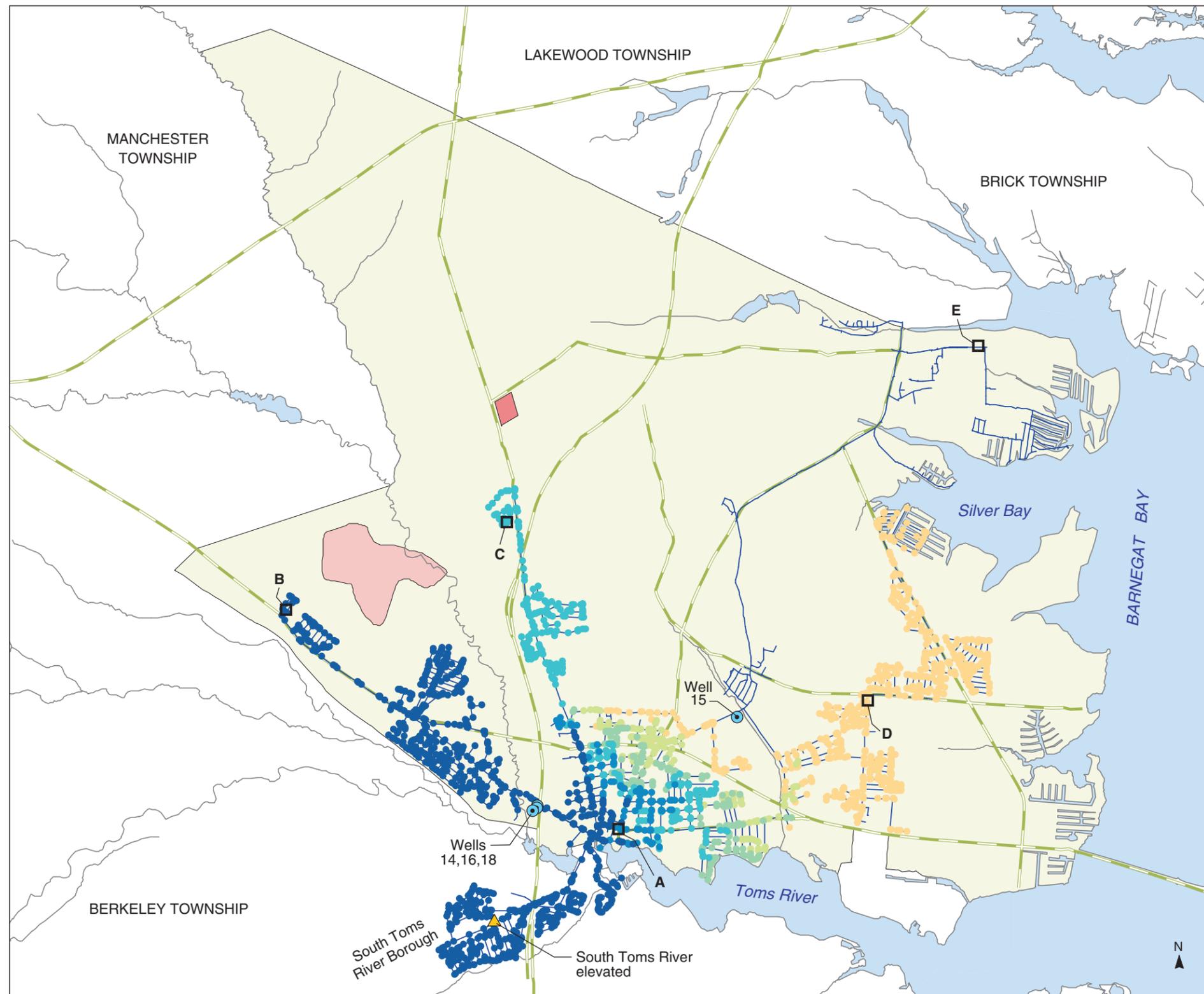


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 61. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1965 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly wells (14, 16, 18), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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

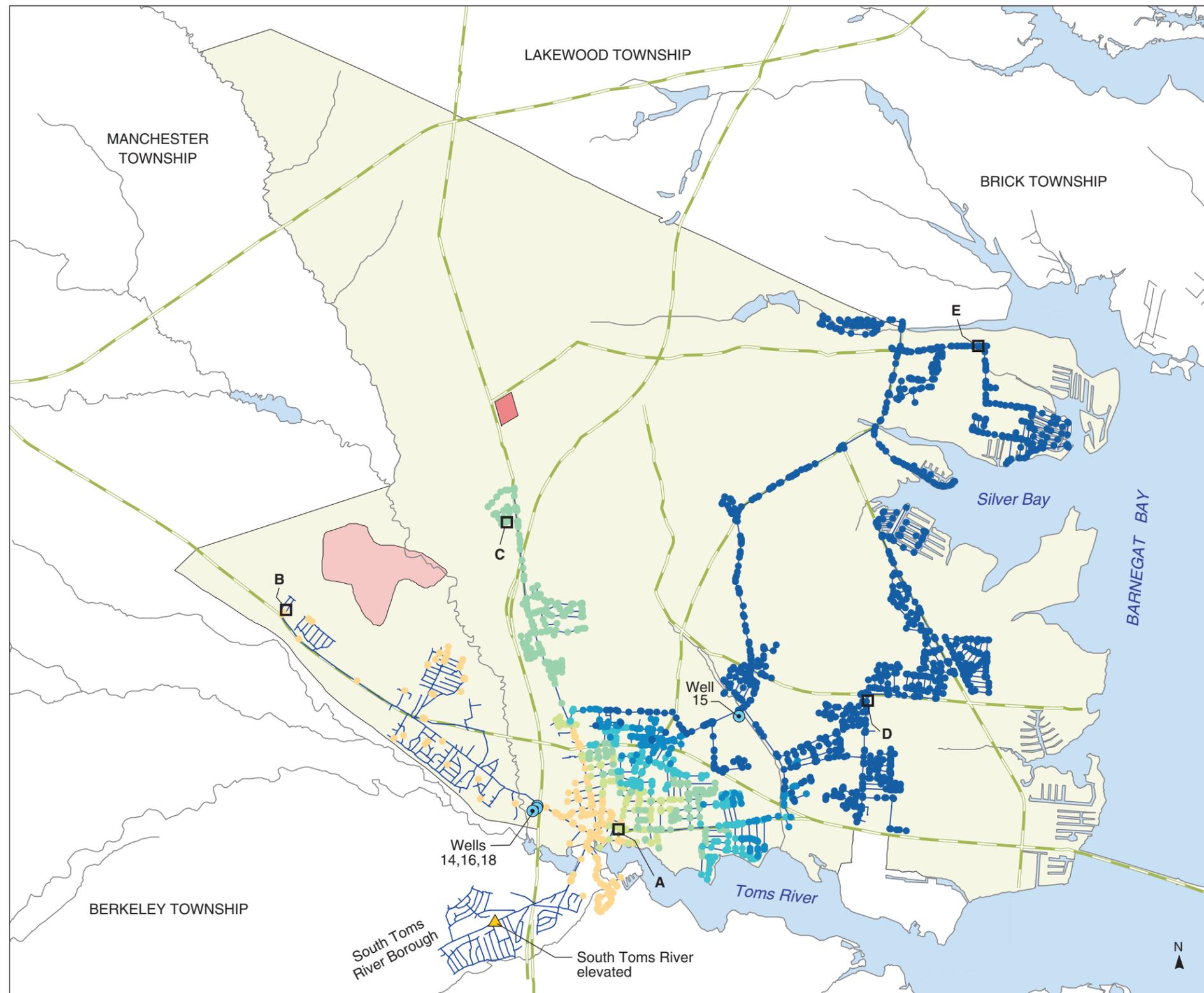


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 62. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (14, 16, 18) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1965 CONDITIONS

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



EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

● 1 to 10	● 50 to 75
● 10 to 25	● 75 to 90
● 25 to 50	● 90 to 100

Notes: (1) Water pipelines range in diameter from 2 inches to 12 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

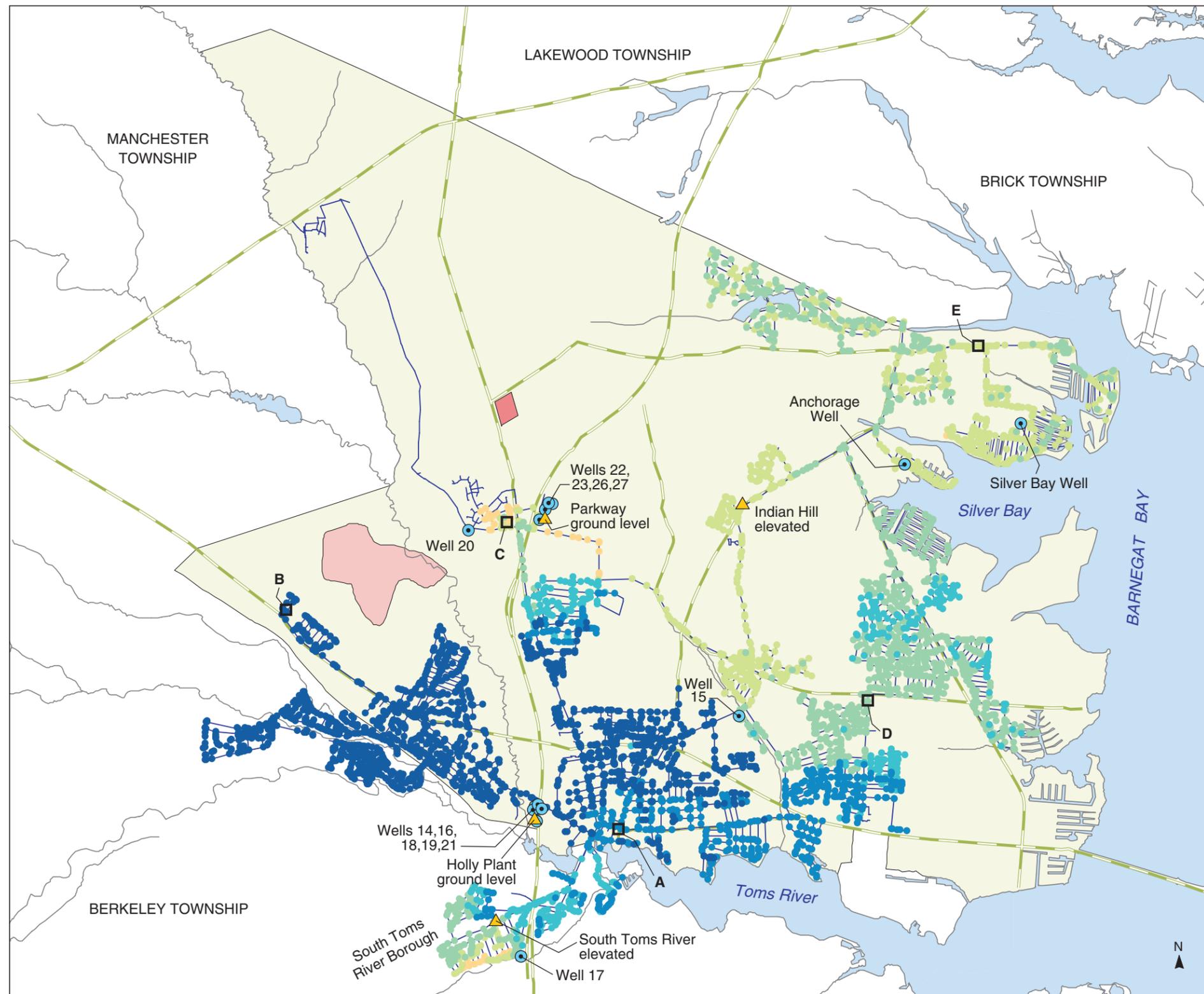


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 63. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1965 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly wells (16, 18, 19), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



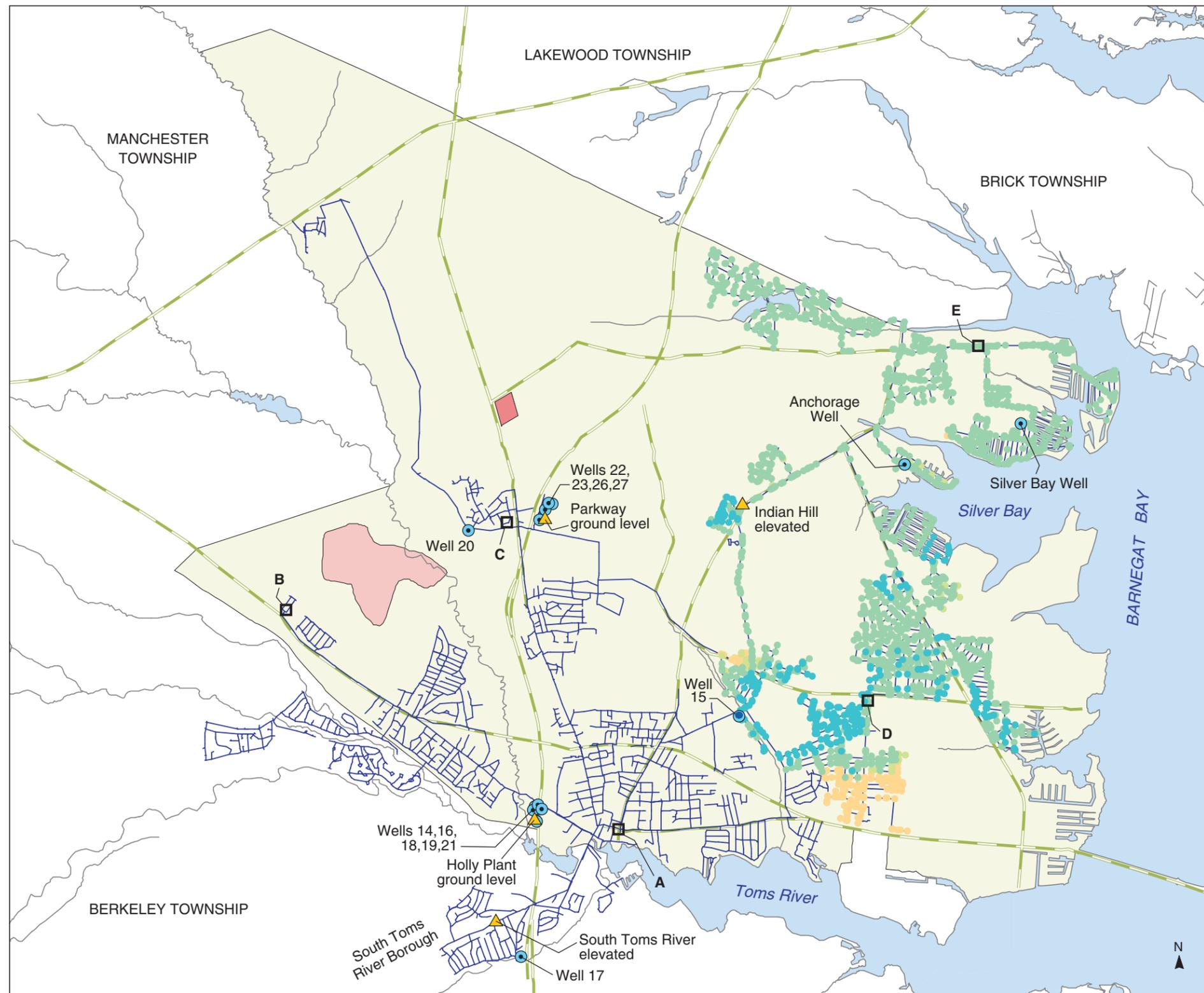
PLATE 64. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (16, 18, 19) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1971 CONDITIONS

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.



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

- 1 to 10
- 50 to 75
- 10 to 25
- 75 to 90
- 25 to 50
- 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

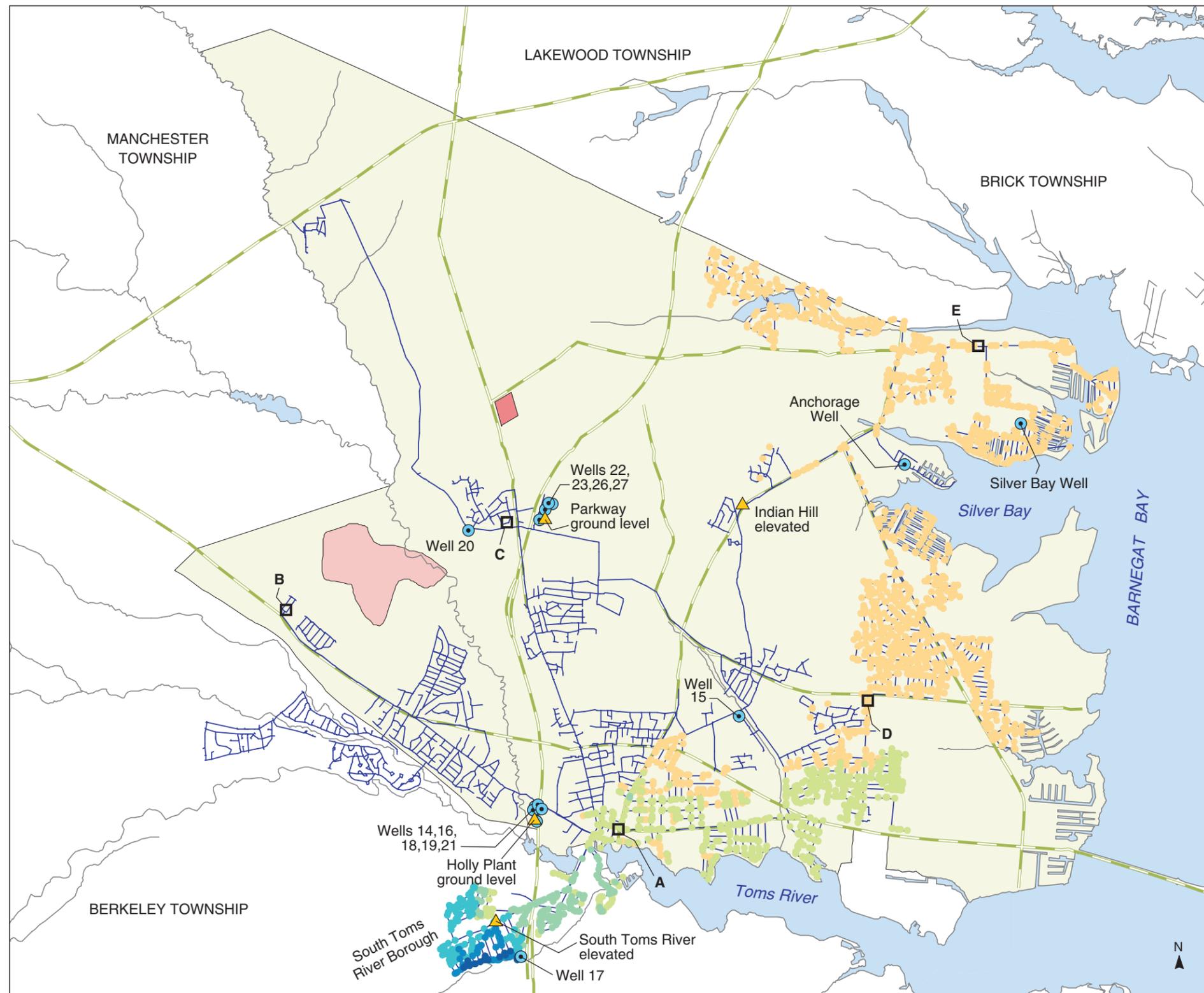


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 65. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1971 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by South Toms River well (17), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



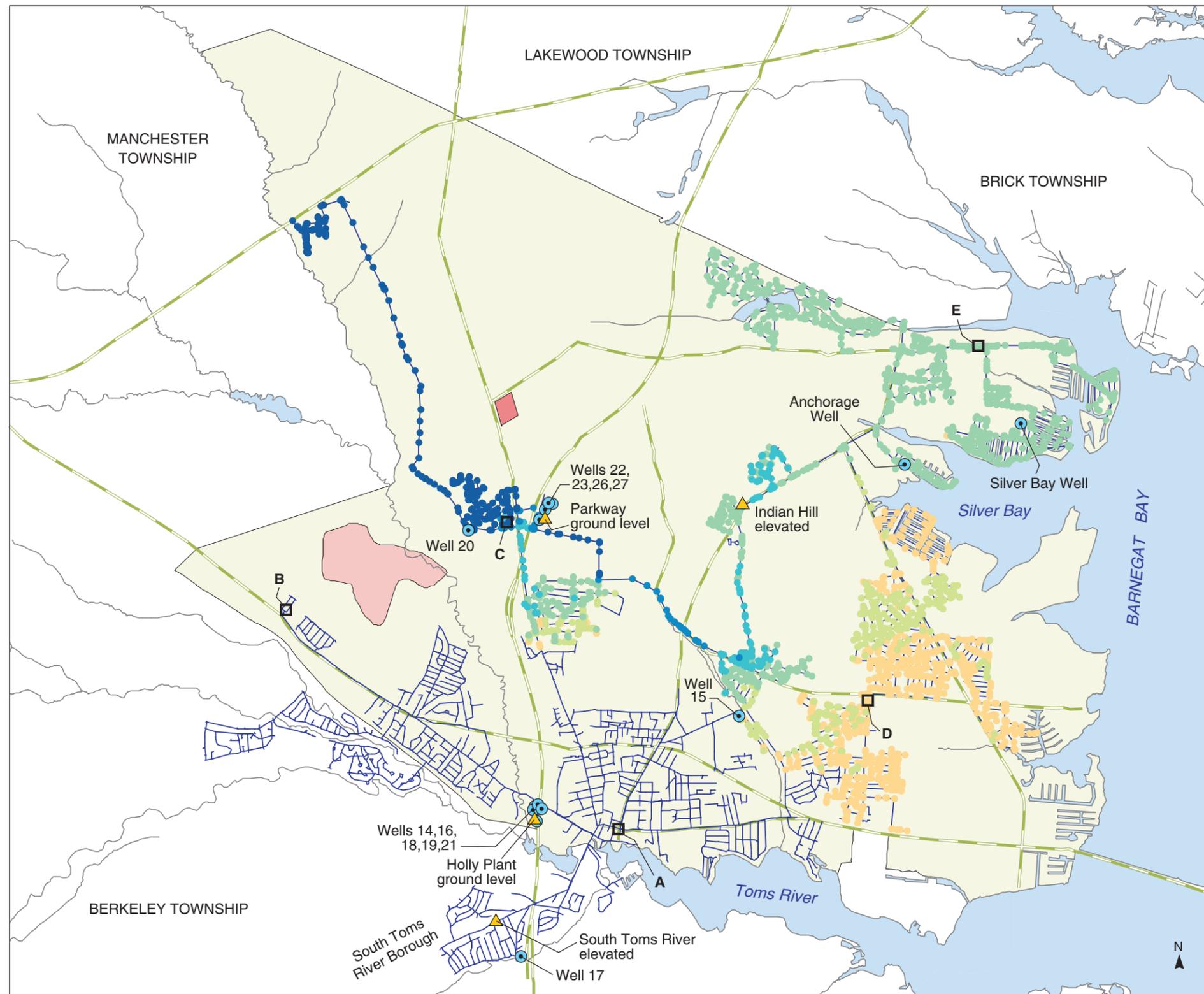
PLATE 66. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SOUTH TOMS RIVER WELL (17) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1971 CONDITIONS

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.



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Indian Head well (20), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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 67. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE INDIAN HEAD WELL (20) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1971 CONDITIONS
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by Anchorage well, 24-hour average

- 1 to 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 90
- 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 68. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE ANCHORAGE WELL TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1971 CONDITIONS

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



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank
 - Water pipeline

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

Percentage of water contributed by Silver Bay well, 24-hour average

- 1 to 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 90
- 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

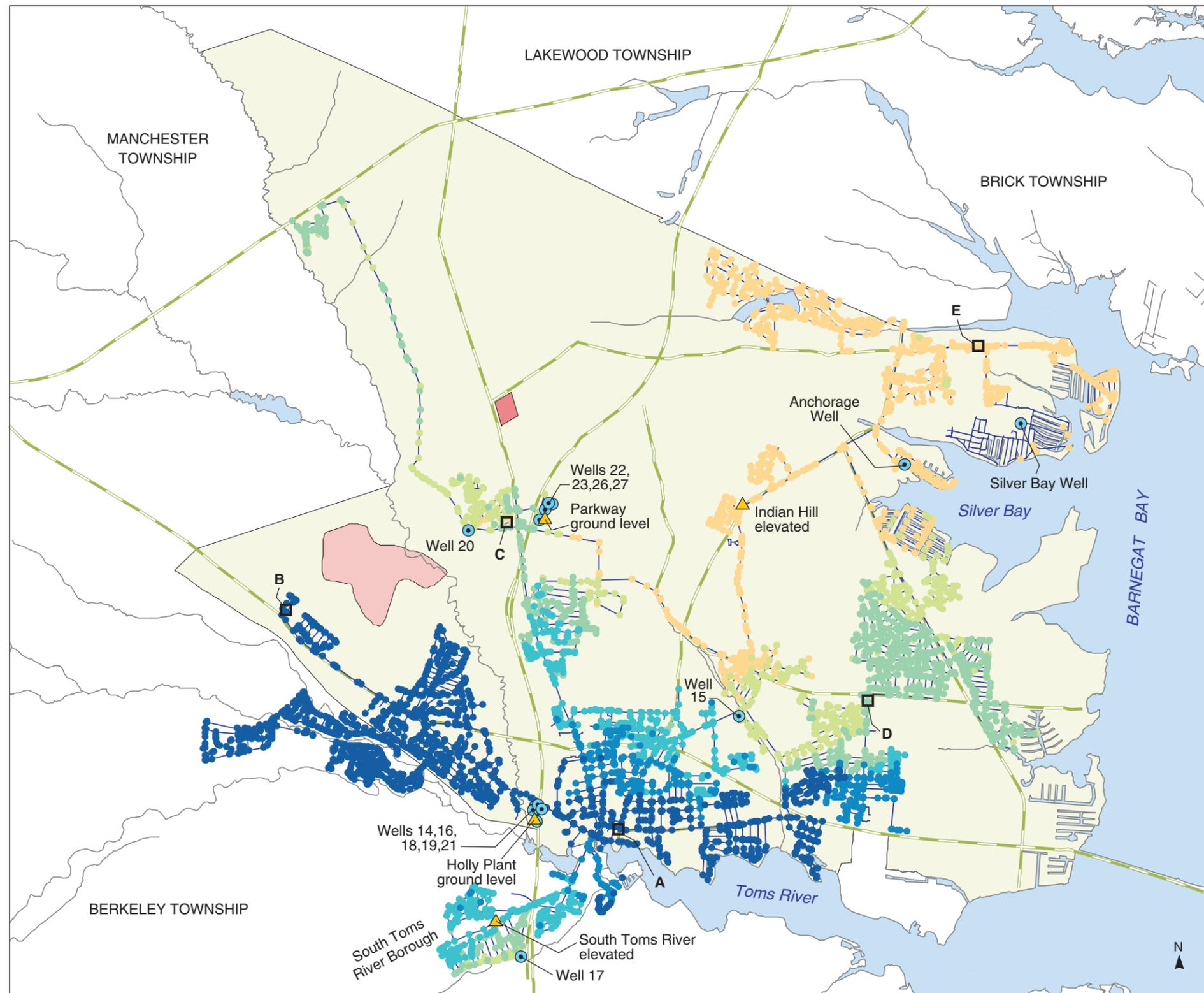


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 69. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SILVER BAY WELL TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1971 CONDITIONS

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



EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

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

Percentage of water contributed by Holly wells (14, 16, 18, 19, 21), 24-hour average

● 1 to 10	● 50 to 75
● 10 to 25	● 75 to 90
● 25 to 50	● 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



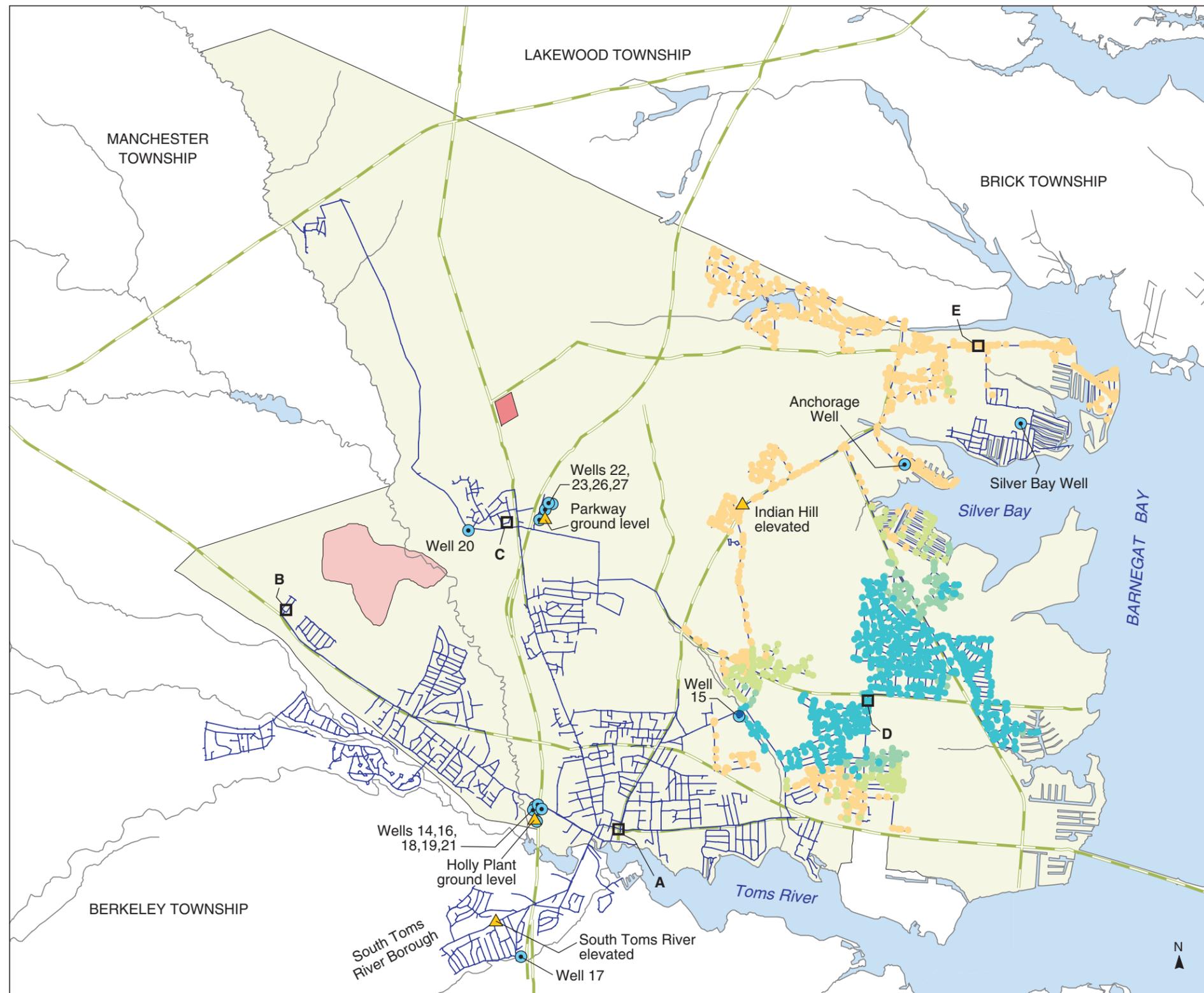
PLATE 70. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (14, 16, 18, 19, 21) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JULY 1971 CONDITIONS

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**

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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



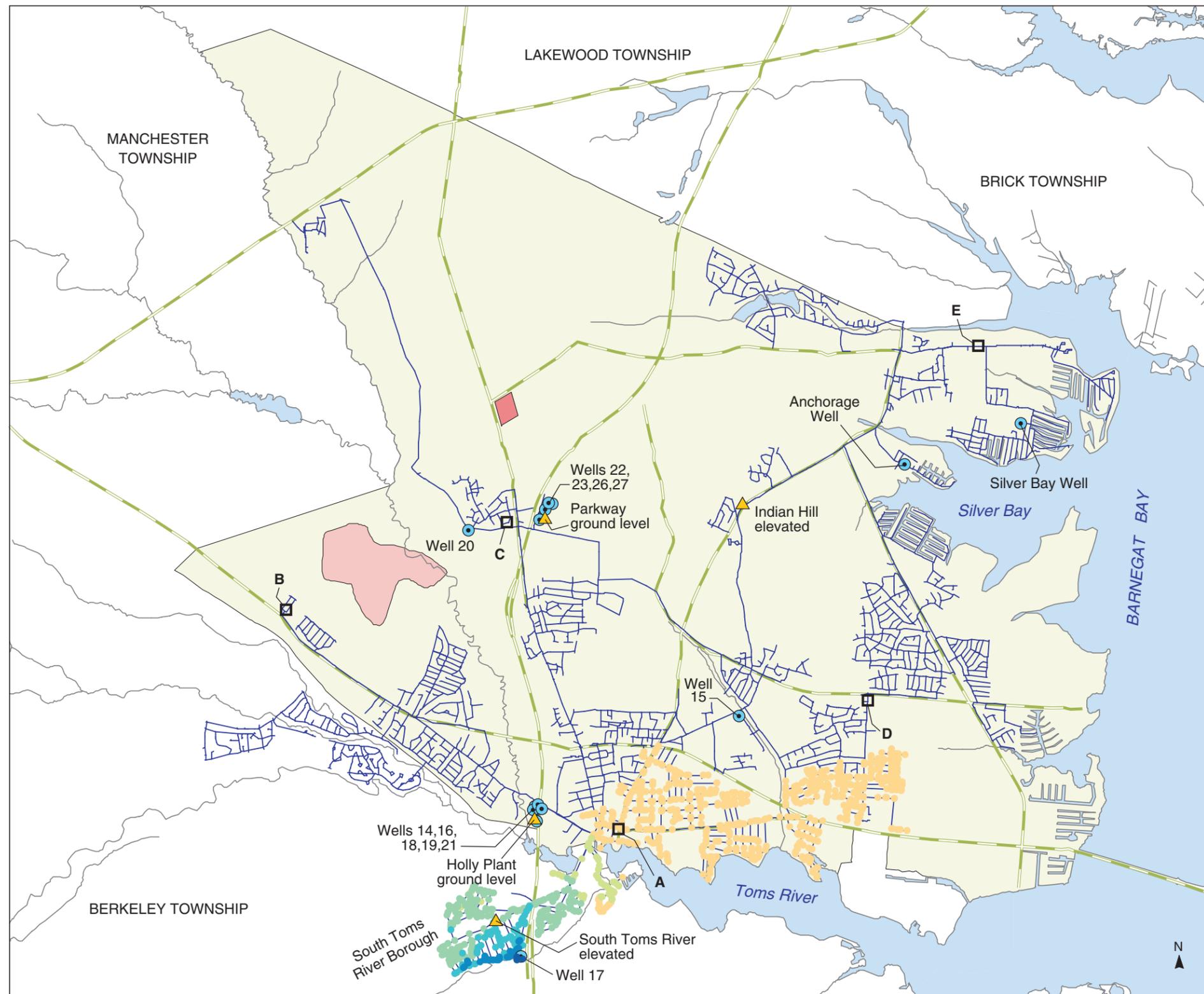
PLATE 71. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JULY 1971 CONDITIONS

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**

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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by South Toms River well (17), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



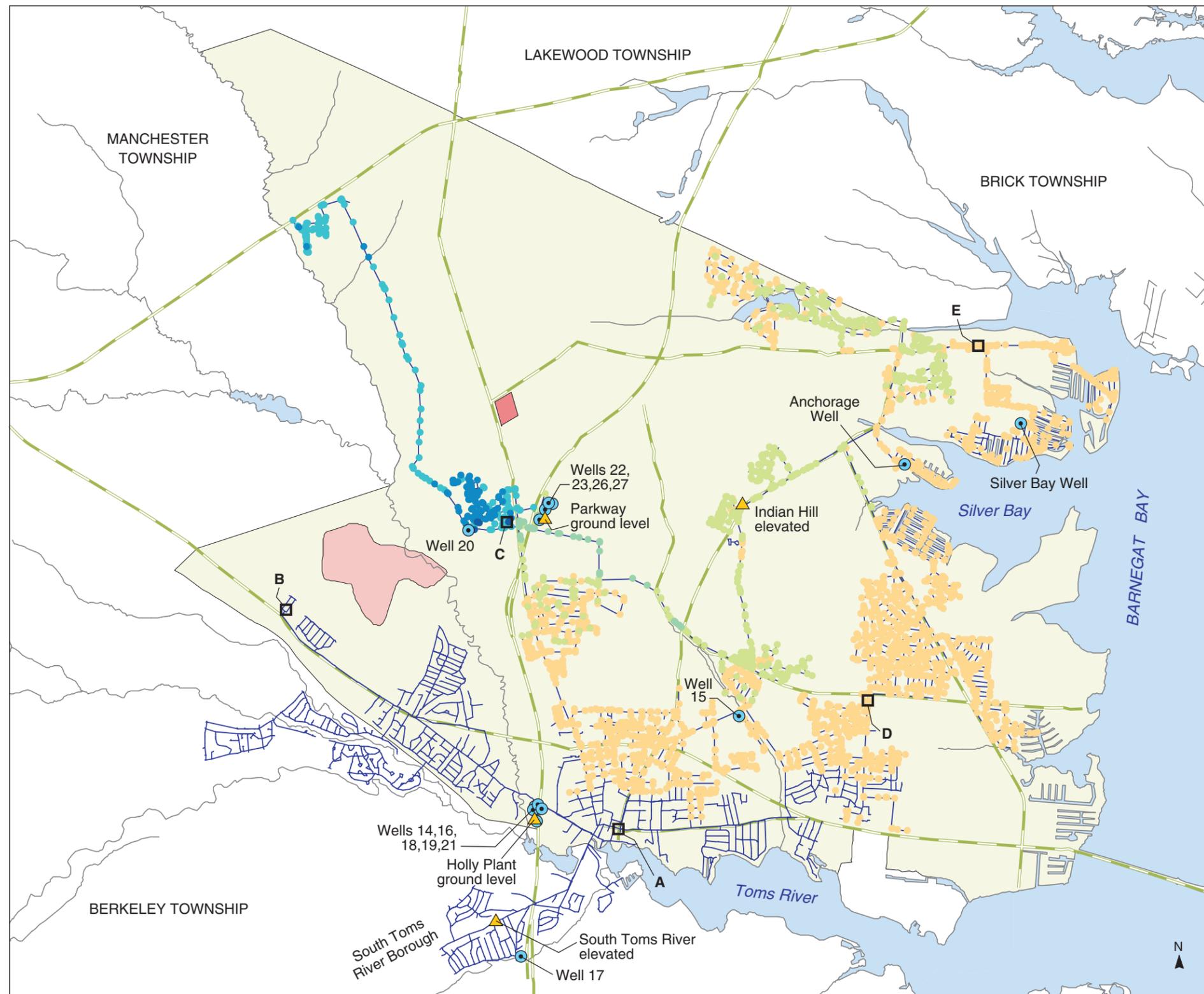
PLATE 72. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SOUTH TOMS RIVER WELL (17) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JULY 1971 CONDITIONS

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.



EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

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

Percentage of water contributed by Indian Head well (20), 24-hour average

● 1 to 10	● 50 to 75
● 10 to 25	● 75 to 90
● 25 to 50	● 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



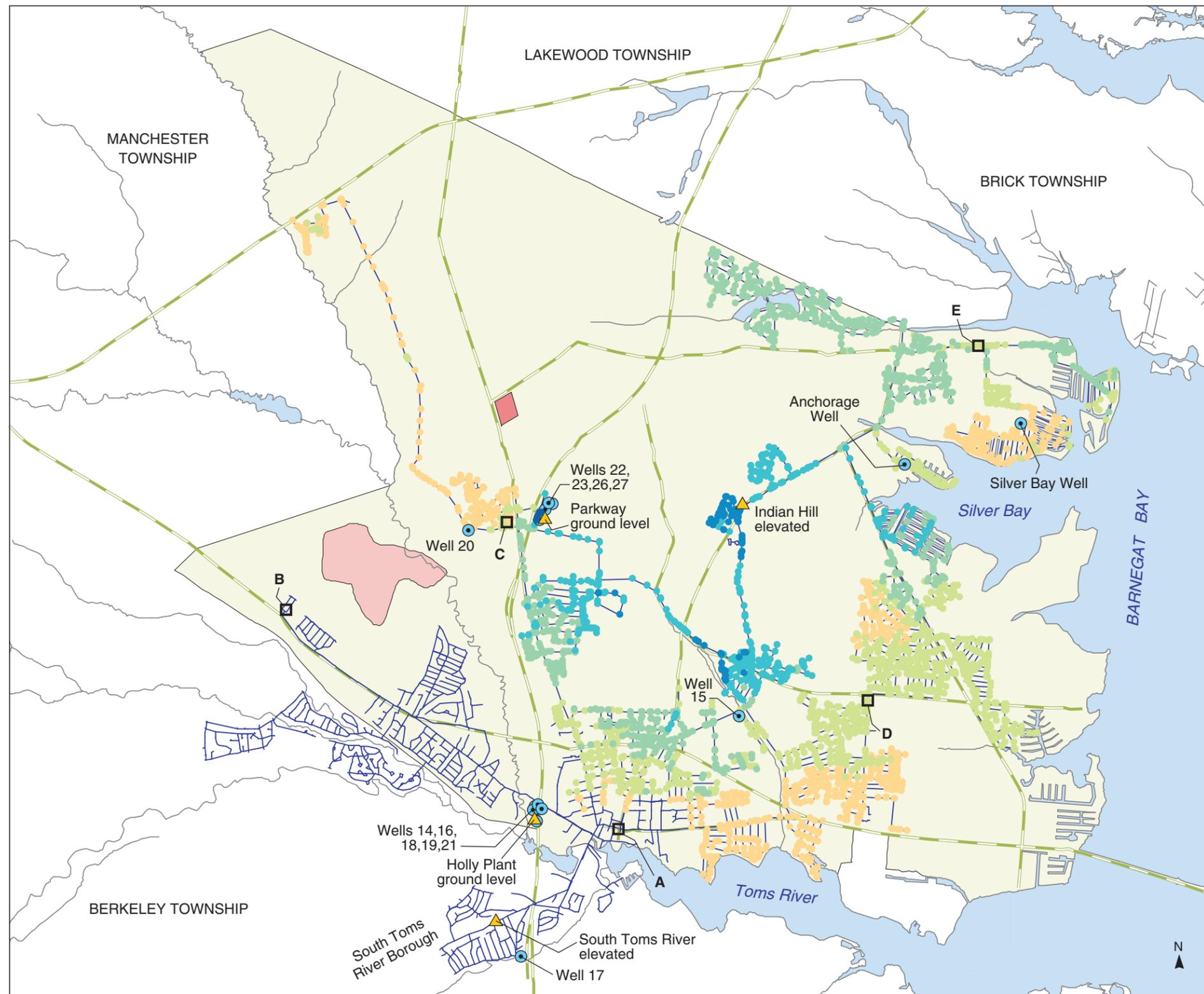
PLATE 73. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE INDIAN HEAD WELL (20) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JULY 1971 CONDITIONS

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.



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

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

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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 74. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE PARKWAY WELLS (22, 23, 26, 27) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JULY 1971 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.



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Anchorage well, 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



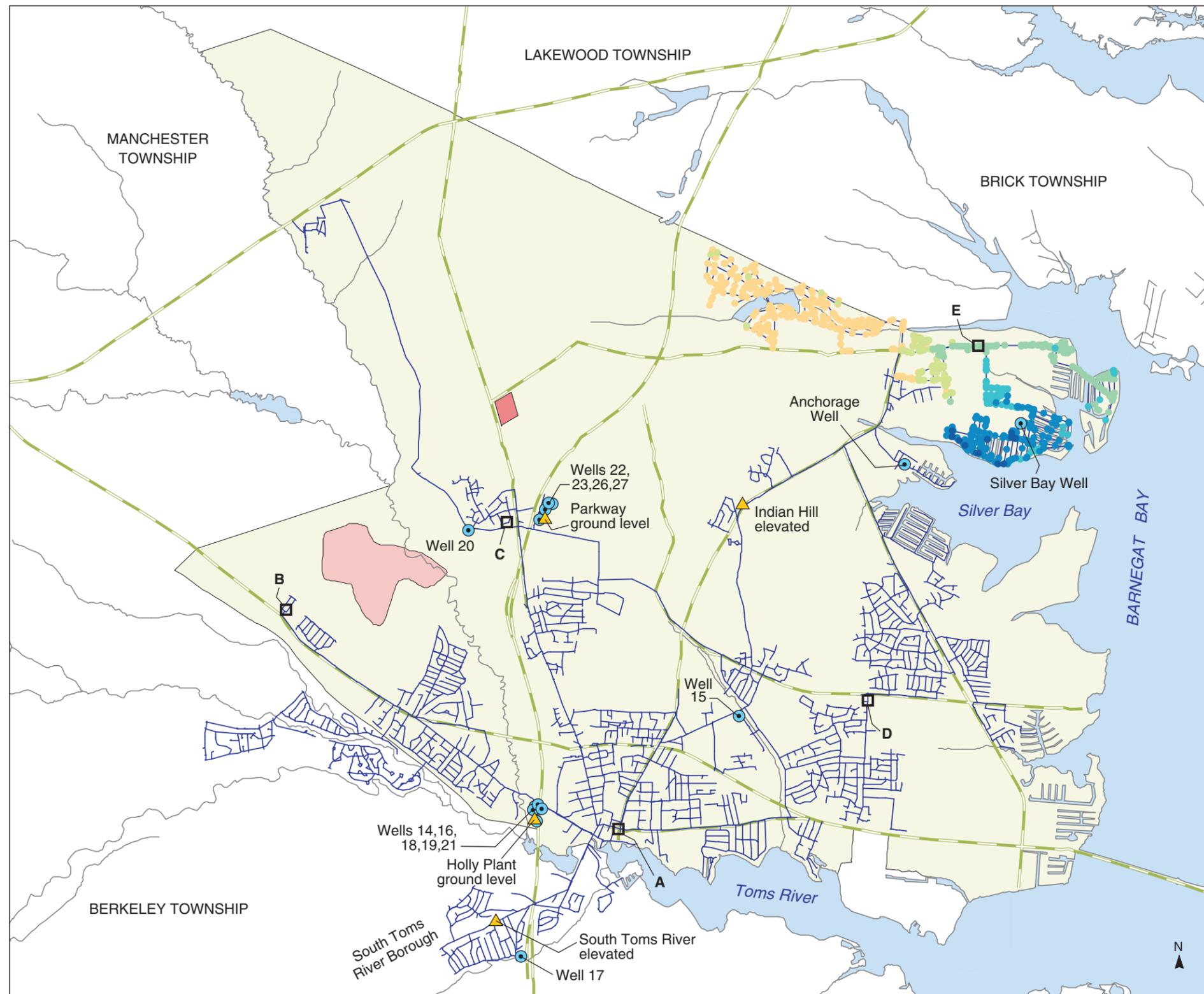
PLATE 75. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE ANCHORAGE WELL TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JULY 1971 CONDITIONS

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.



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by Silver Bay well, 24-hour average

- 1 to 10
- 50 to 75
- 10 to 25
- 75 to 90
- 25 to 50
- 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



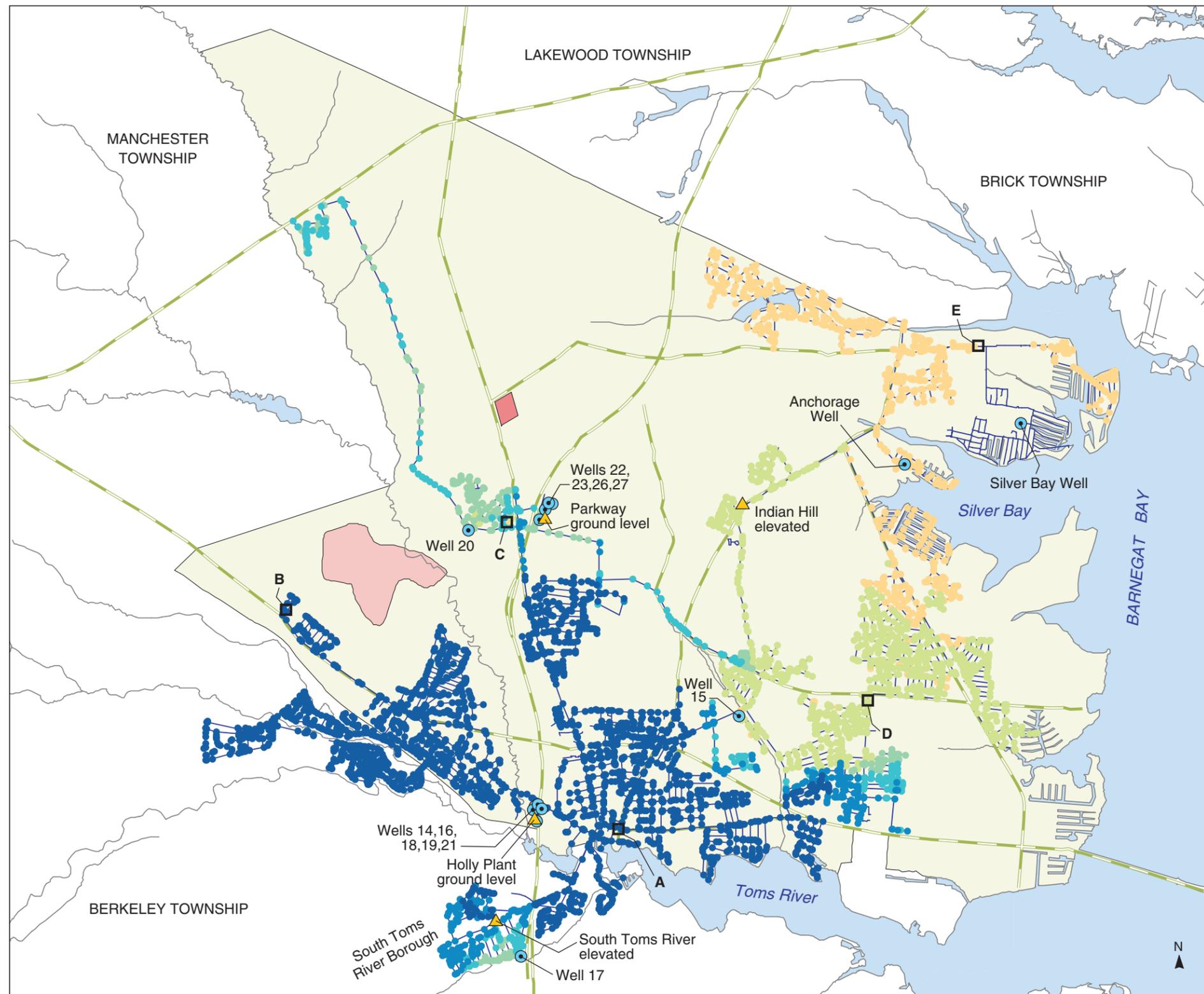
PLATE 76. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SILVER BAY WELL TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JULY 1971 CONDITIONS

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.



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly wells (16, 18, 19), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

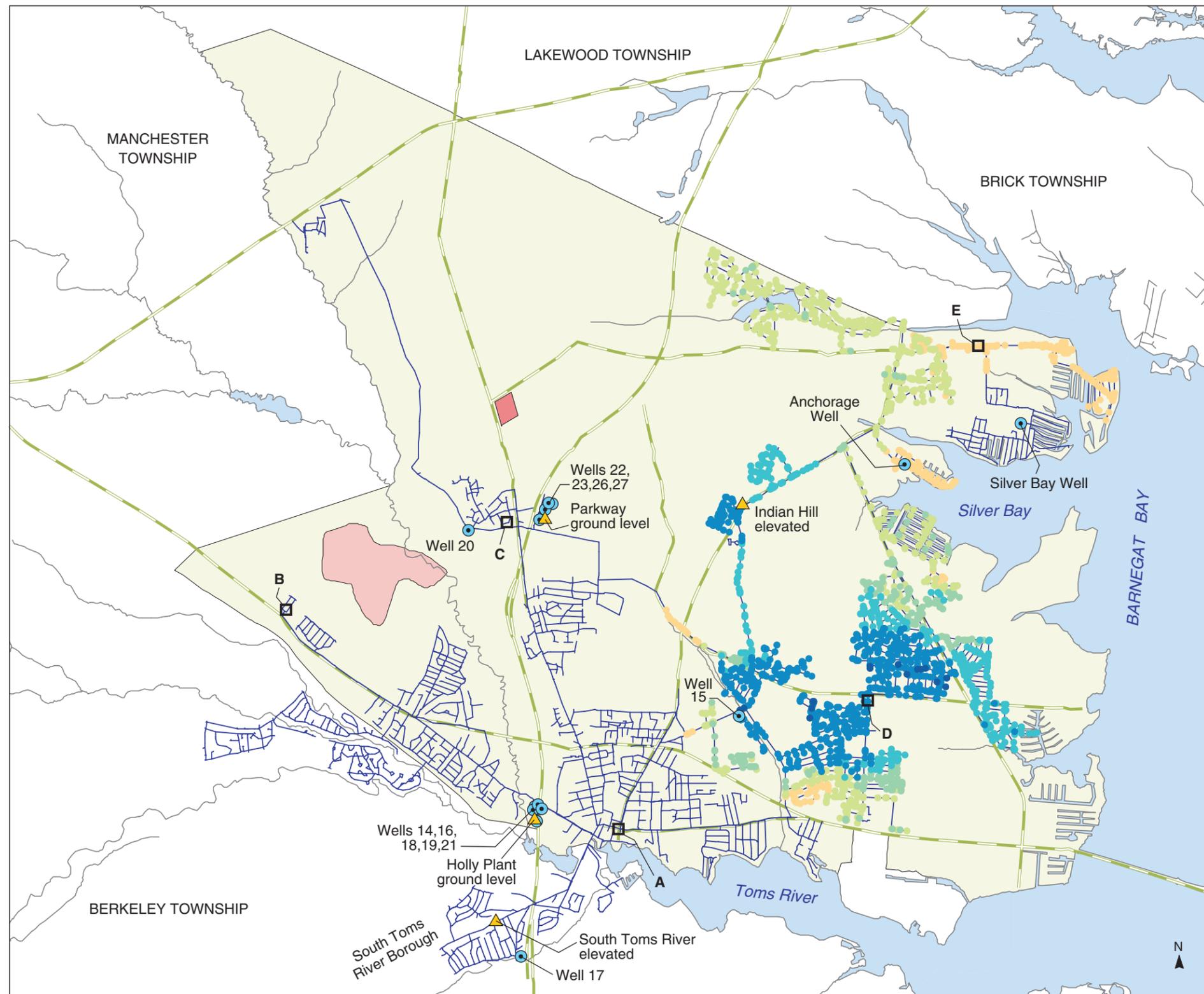
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Percentage of water based on model reaching dynamic equilibrium after 1,200 hours of simulation time



**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 77. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (16, 18, 19) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1971 CONDITIONS
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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 78. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1971 CONDITIONS
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by South Toms River well (17), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



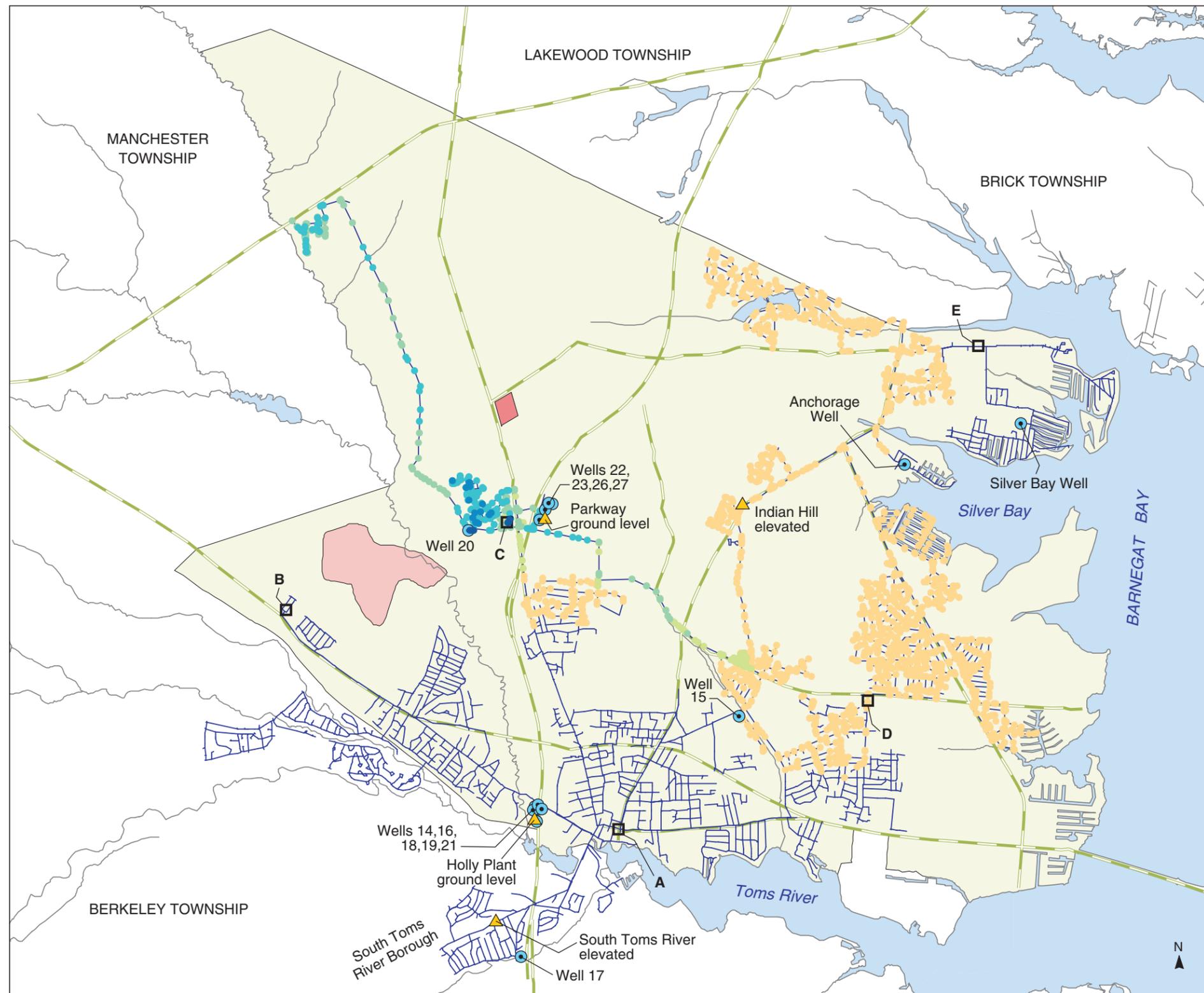
PLATE 79. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SOUTH TOMS RIVER WELL (17) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1971 CONDITIONS

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.



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - ▲ Storage tank

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

Percentage of water contributed by Indian Head well (20), 24-hour average

- 1 to 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 90
- 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



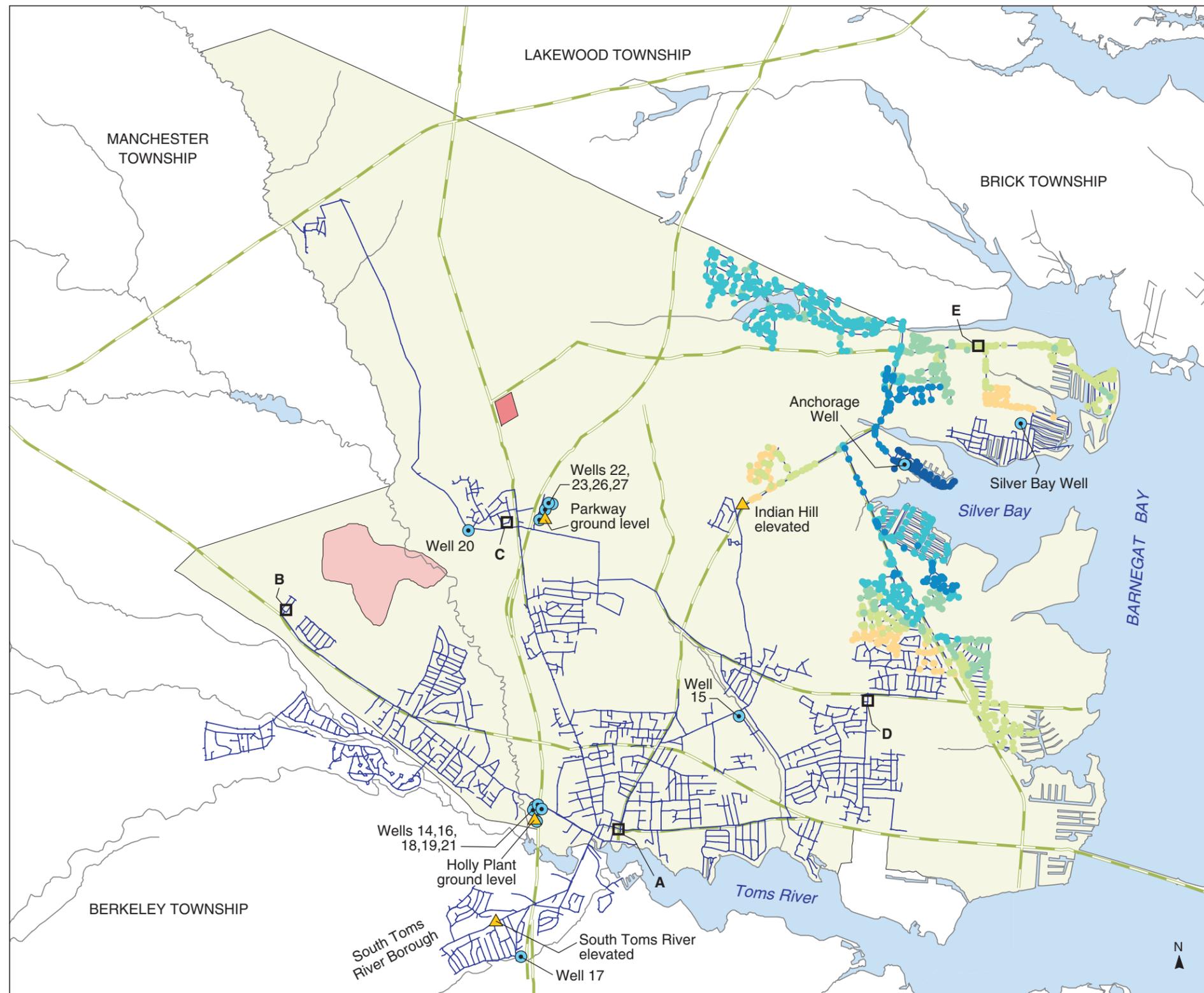
PLATE 80. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE INDIAN HEAD WELL (20) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1971 CONDITIONS

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.



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

□ Pipeline location and letter. Percent contribution is reported in text

Percentage of water contributed by Anchorage well, 24-hour average

- 1 to 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 90
- 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

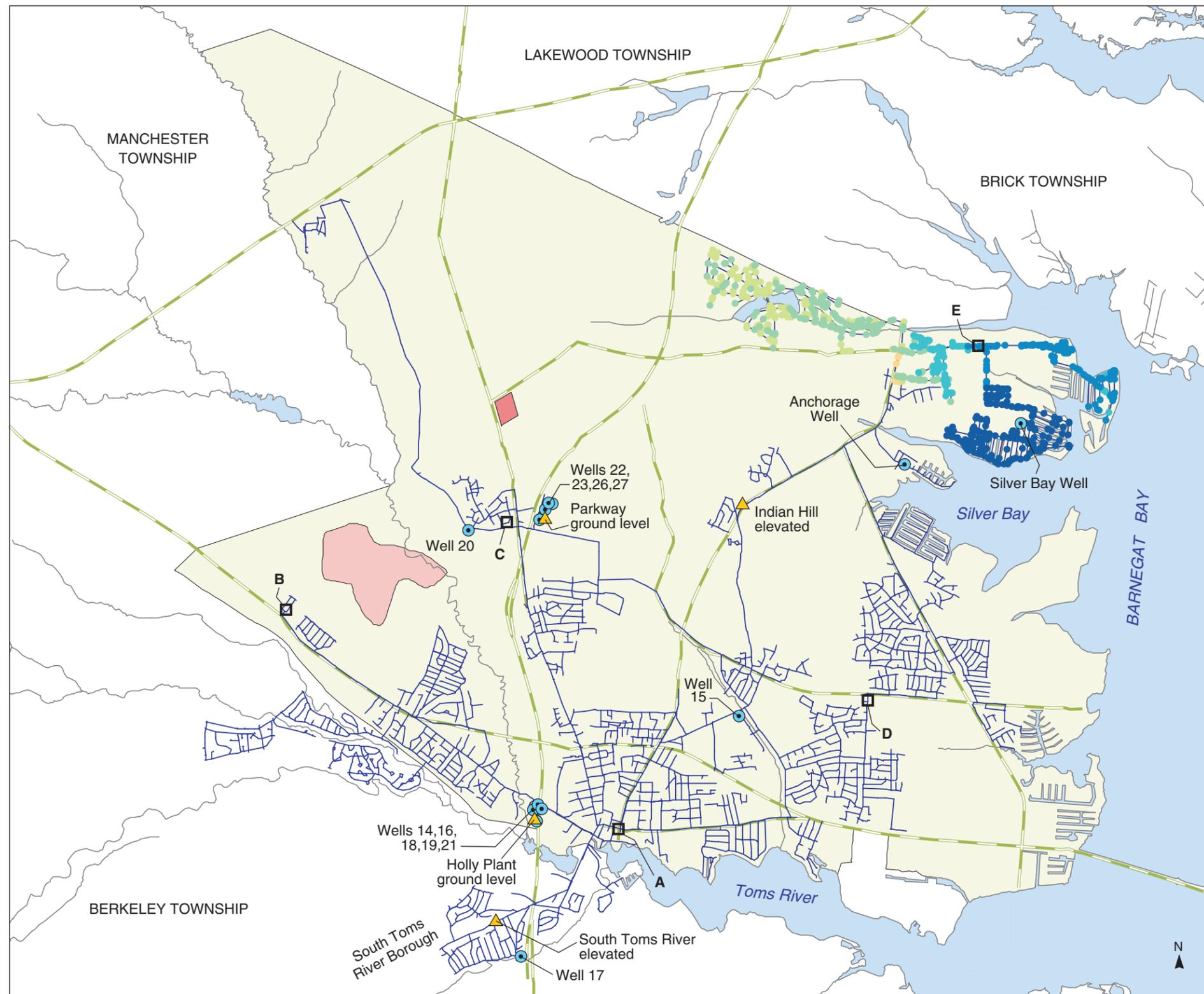


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 81. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE ANCHORAGE WELL TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1971 CONDITIONS

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



EXPLANATION

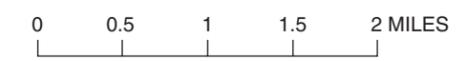
 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Silver Bay well, 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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

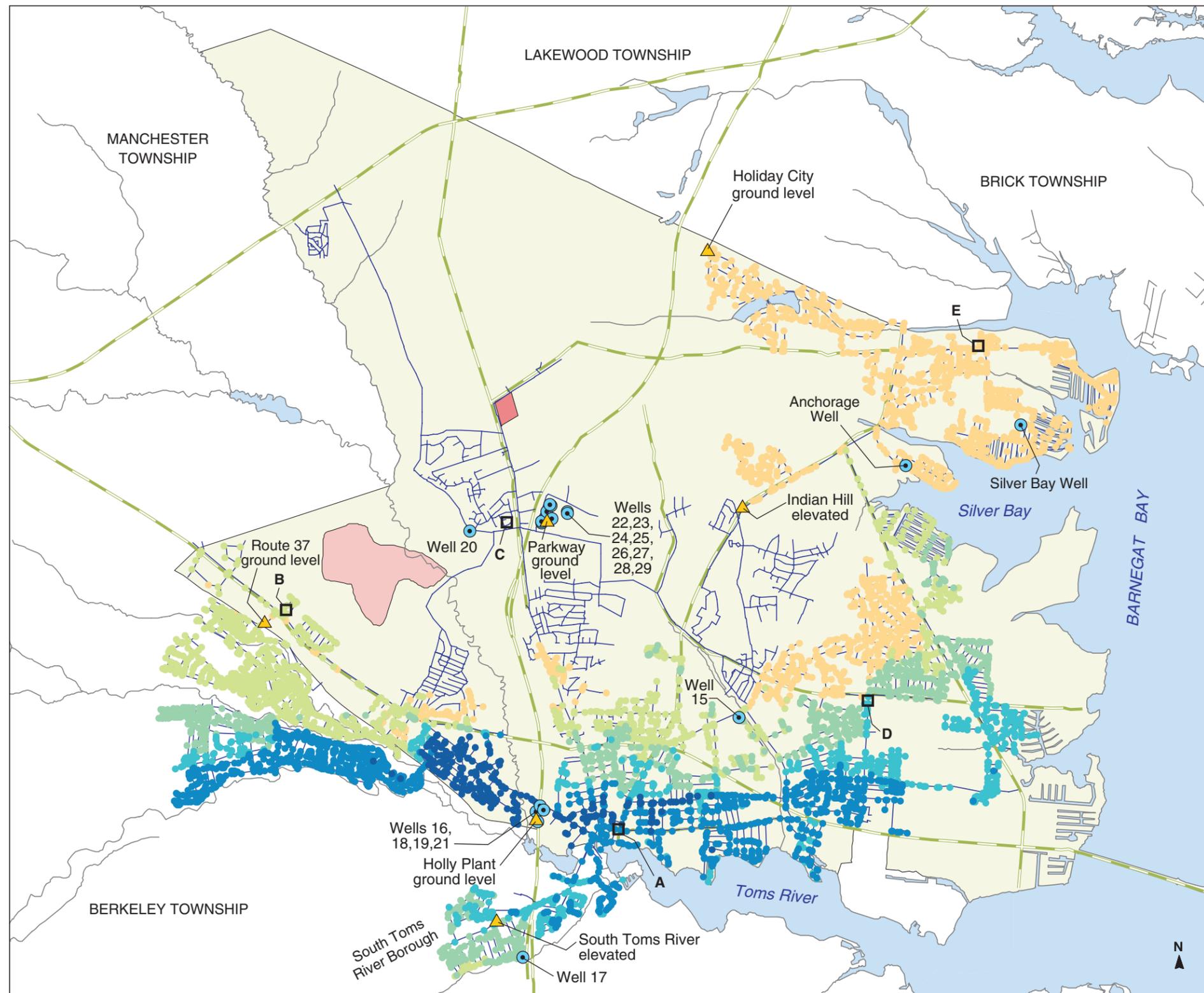


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 82. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SILVER BAY WELL TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1971 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly wells (16, 18), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



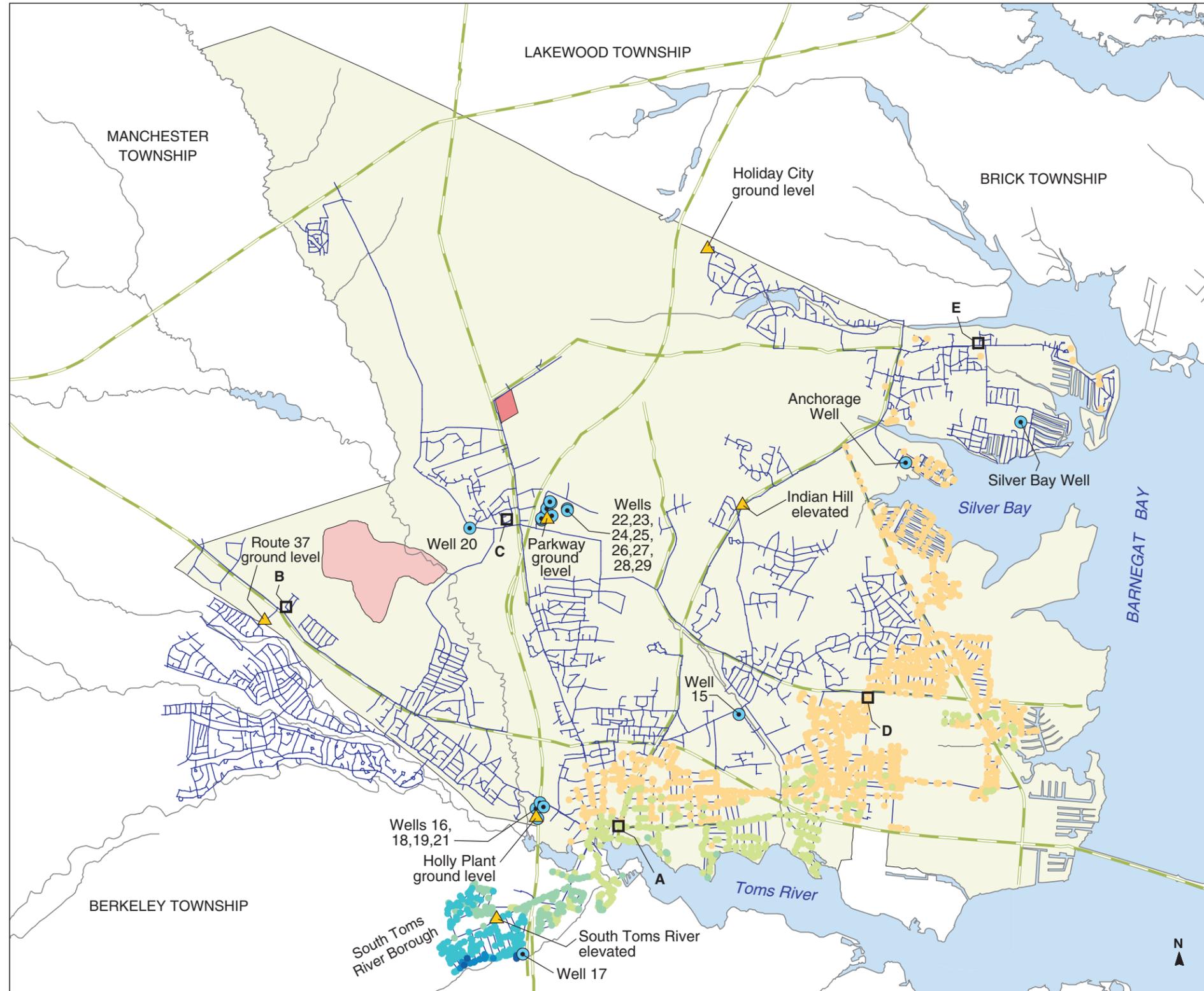
PLATE 83. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (16, 18) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1978 CONDITIONS

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.



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by South Toms River well (17), 24-hour average

- | | |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 1 to 10 | 50 to 75 |
| 10 to 25 | 75 to 90 |
| 25 to 50 | 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

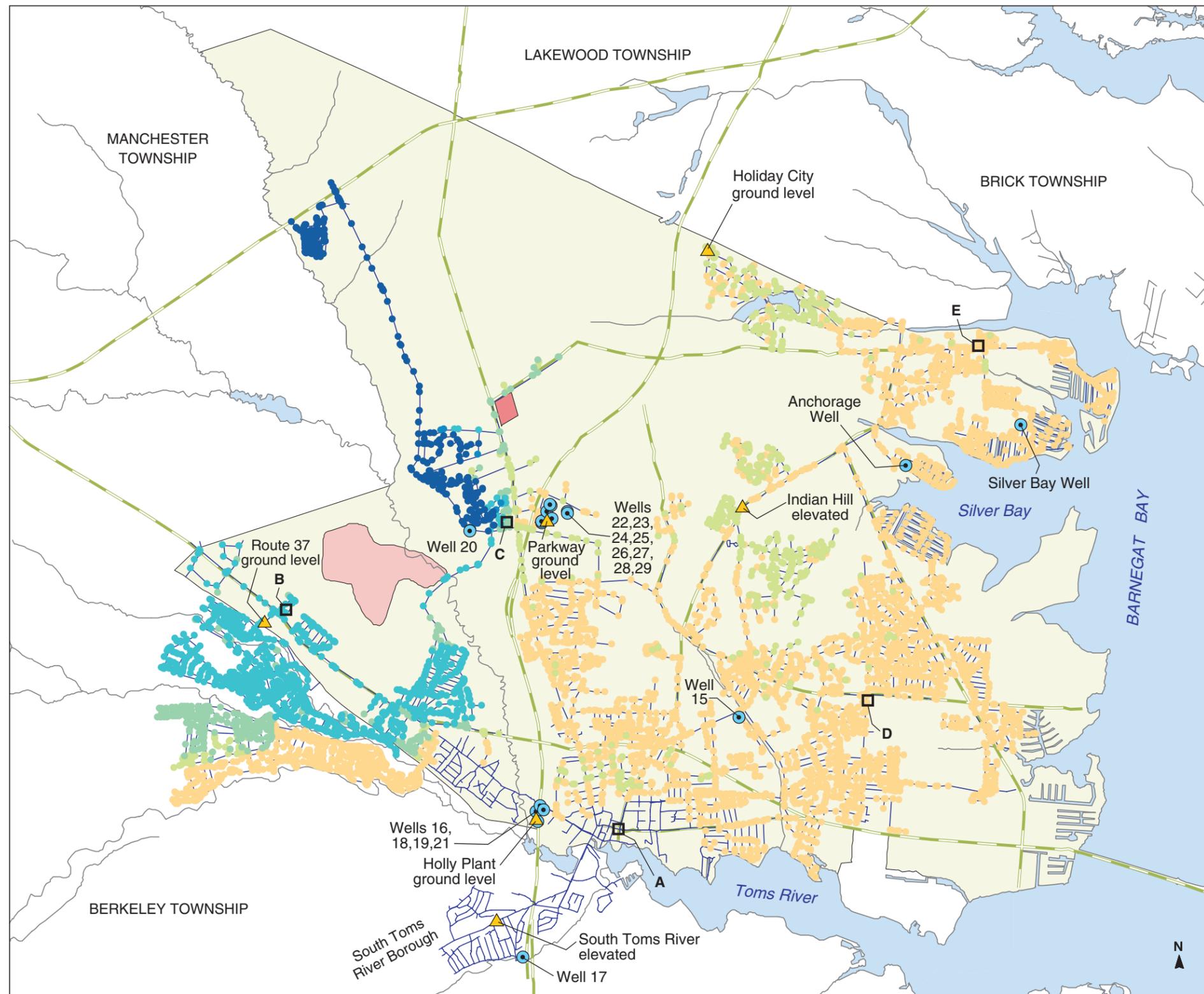


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 84. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SOUTH TOMS RIVER WELL (17) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1978 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Indian Head well (20), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



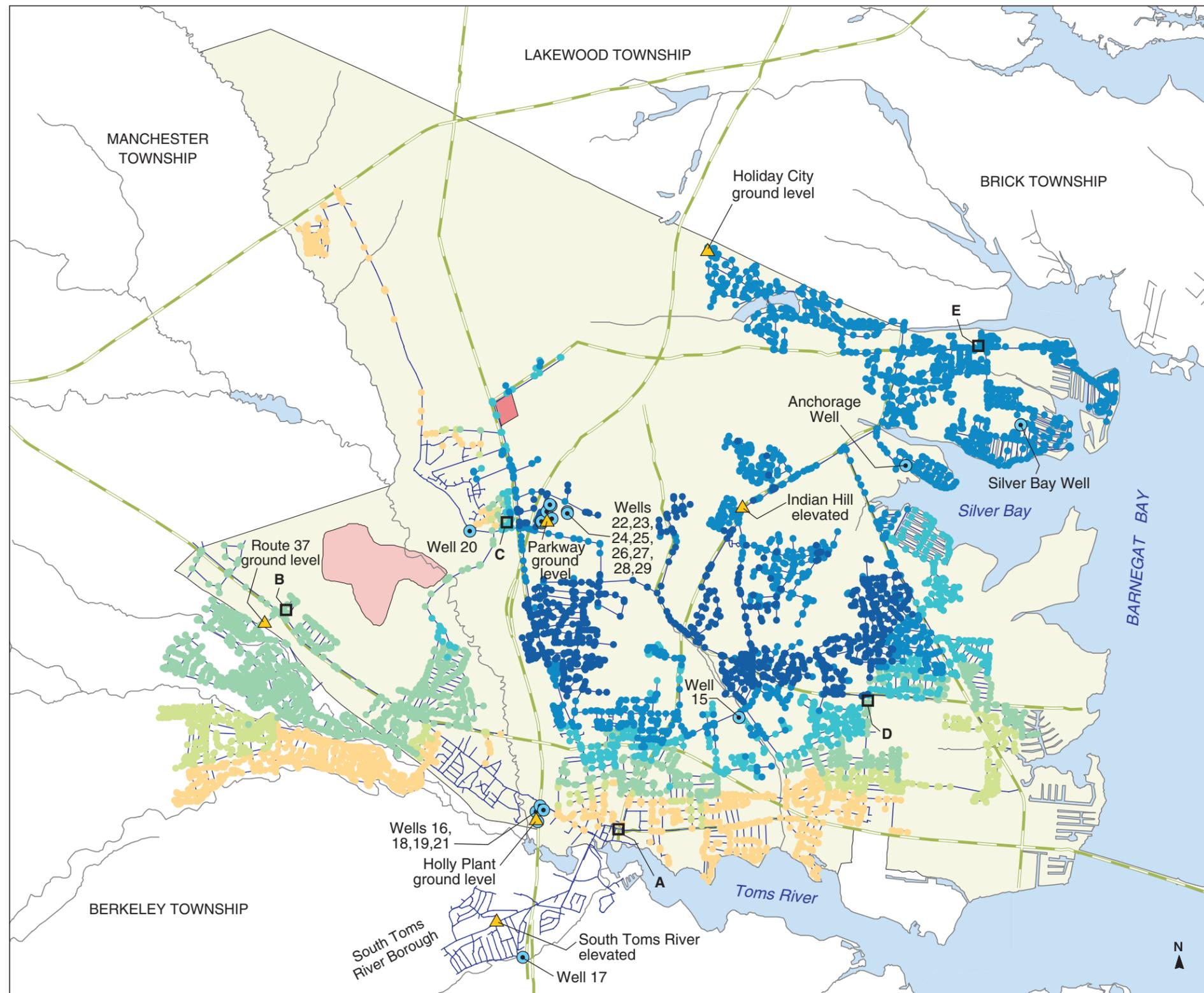
PLATE 85. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE INDIAN HEAD WELL (20) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1978 CONDITIONS

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.



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

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

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



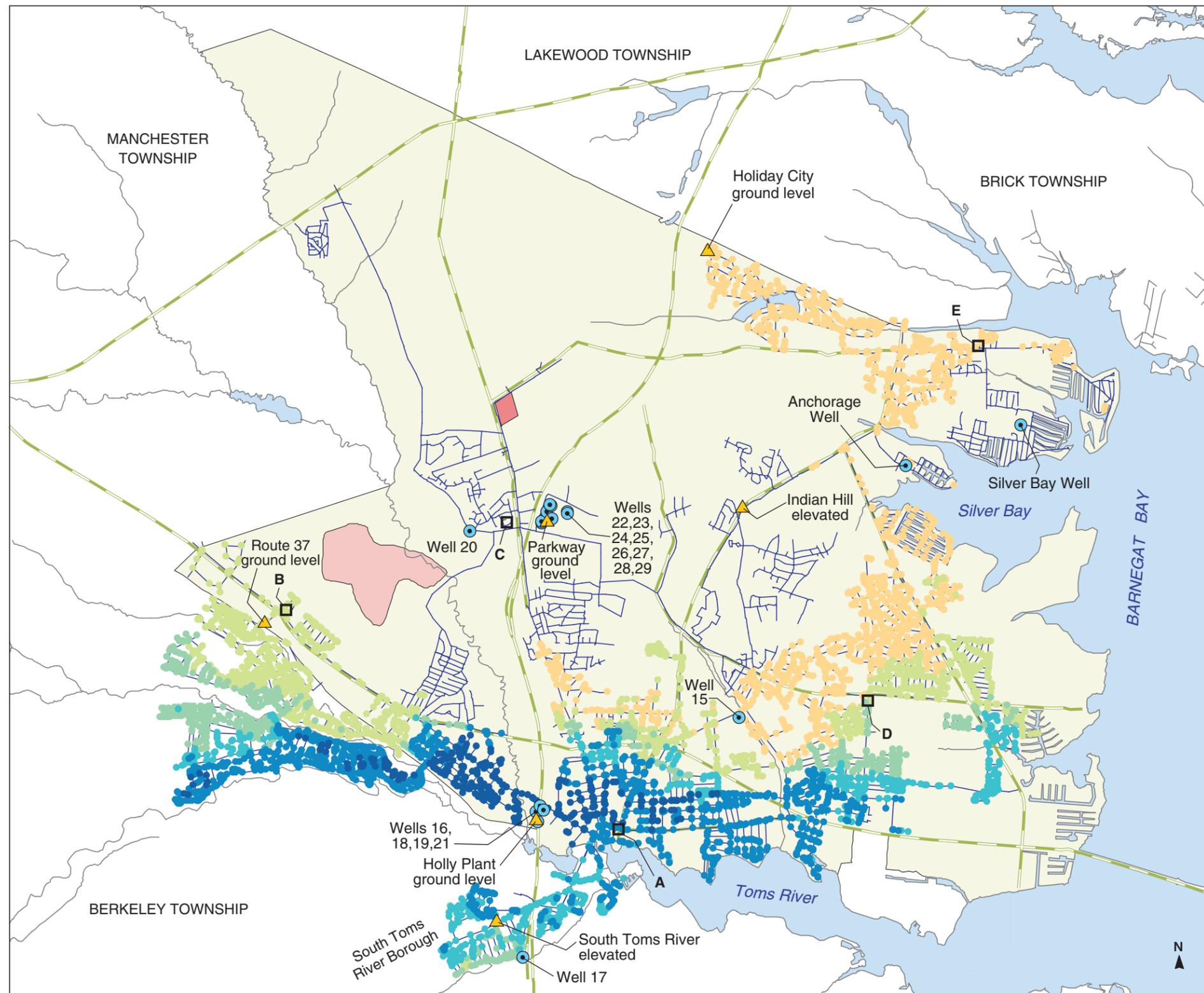
PLATE 86. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE PARKWAY WELLS (22, 24, 26, 28, 29) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1978 CONDITIONS

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.



EXPLANATION

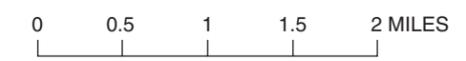
 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly wells (16, 18, 19, 21), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

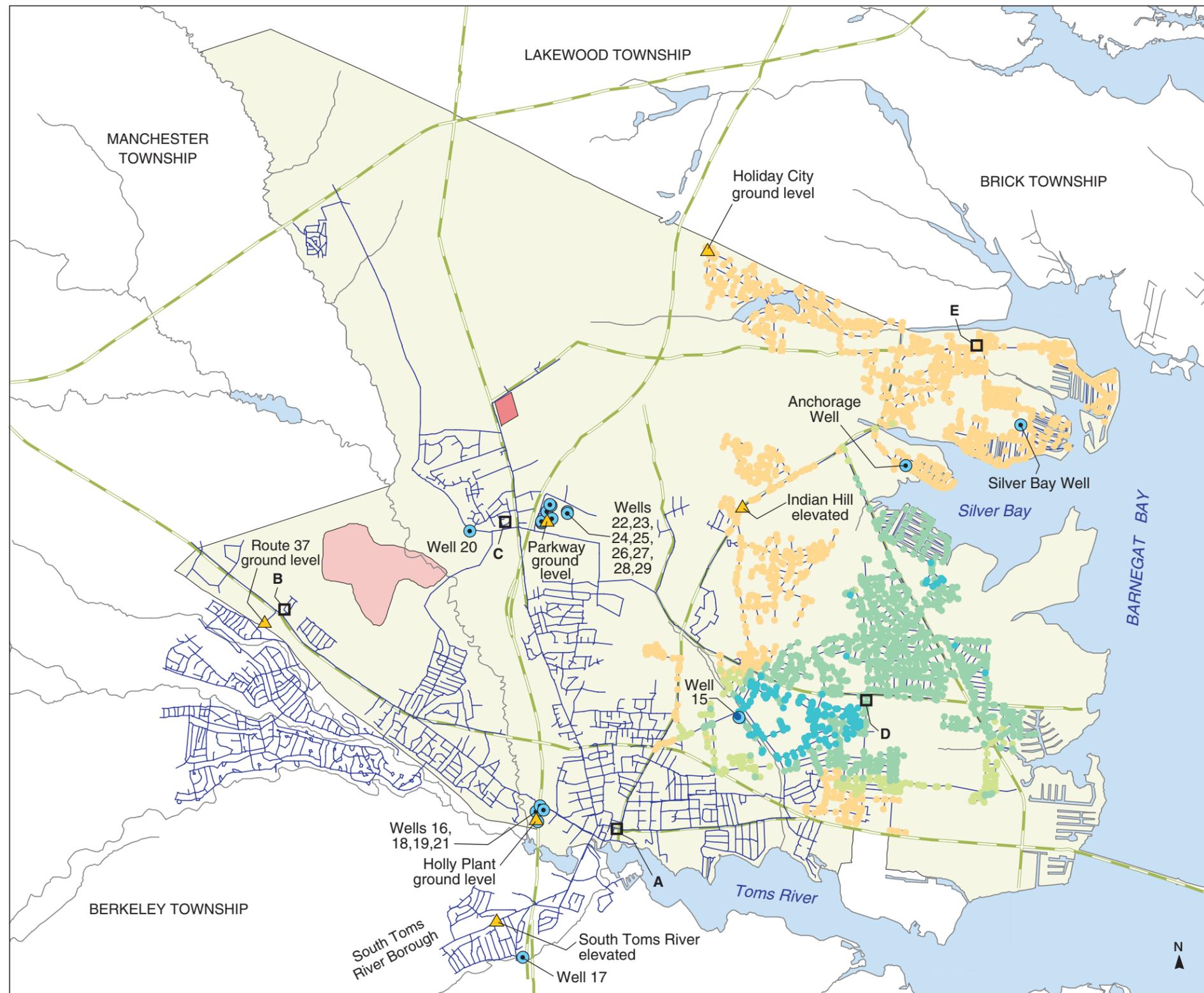
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Percentage of water based on model reaching dynamic equilibrium after 1,200 hours of simulation time



**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 87. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (16, 18, 19, 21) 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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 90 to 100

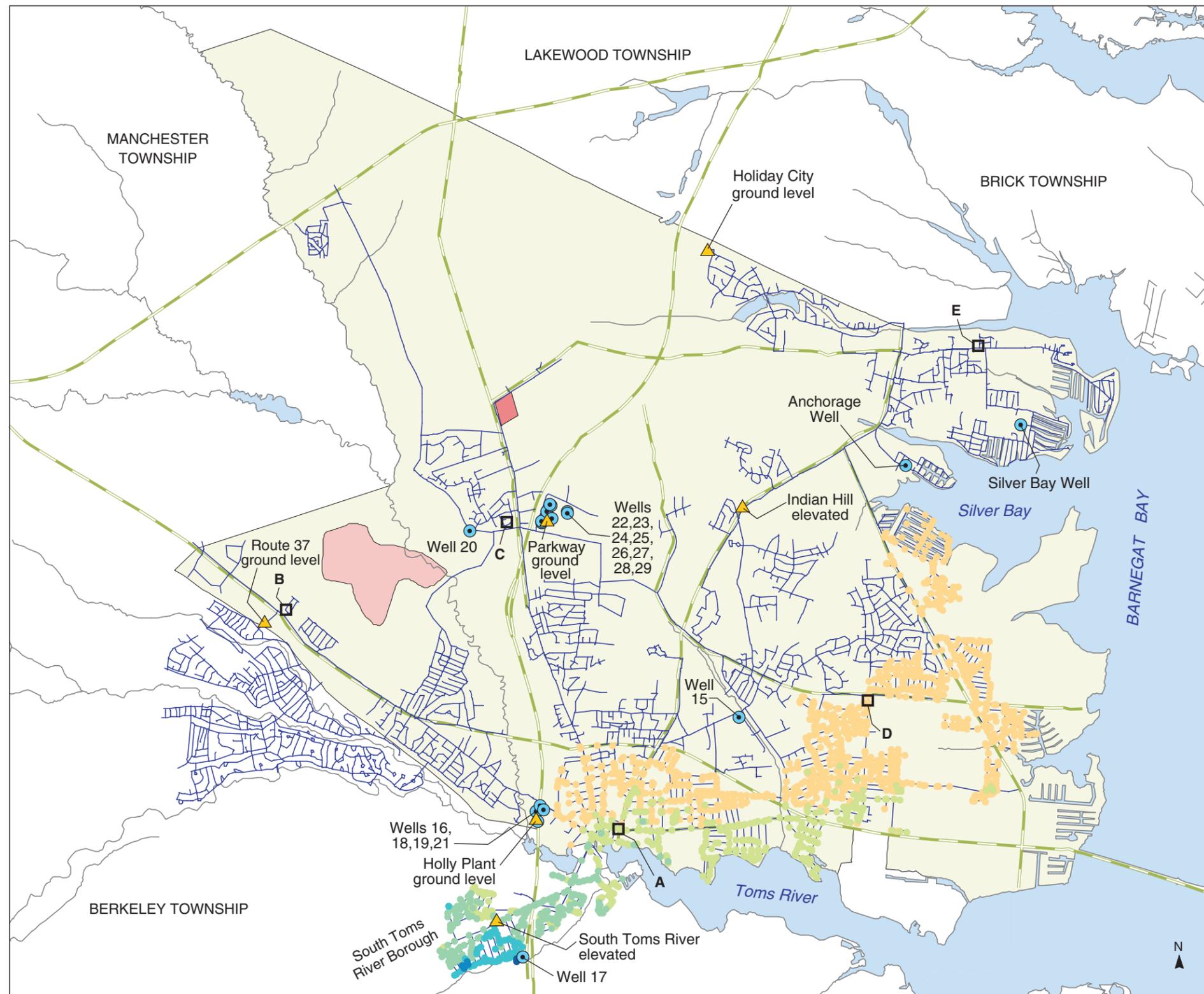
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Percentage of water based on model reaching dynamic equilibrium after 1,200 hours of simulation time



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

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PLATE 88. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) 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



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by South Toms River well (17), 24-hour average

- 1 to 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 90
- 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



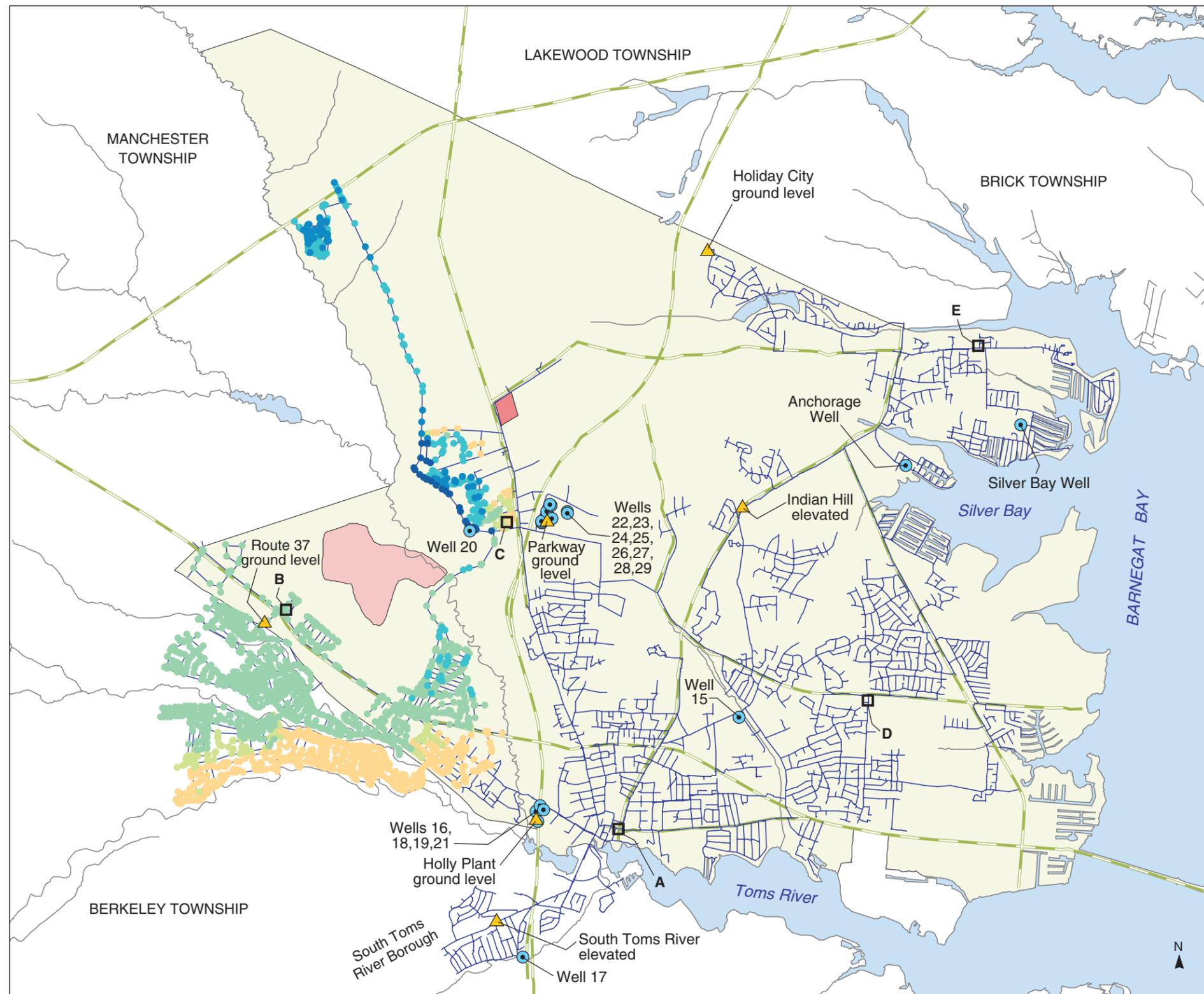
PLATE 89. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SOUTH TOMS RIVER WELL (17) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1978 CONDITIONS

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**

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EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Indian Head well (20), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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

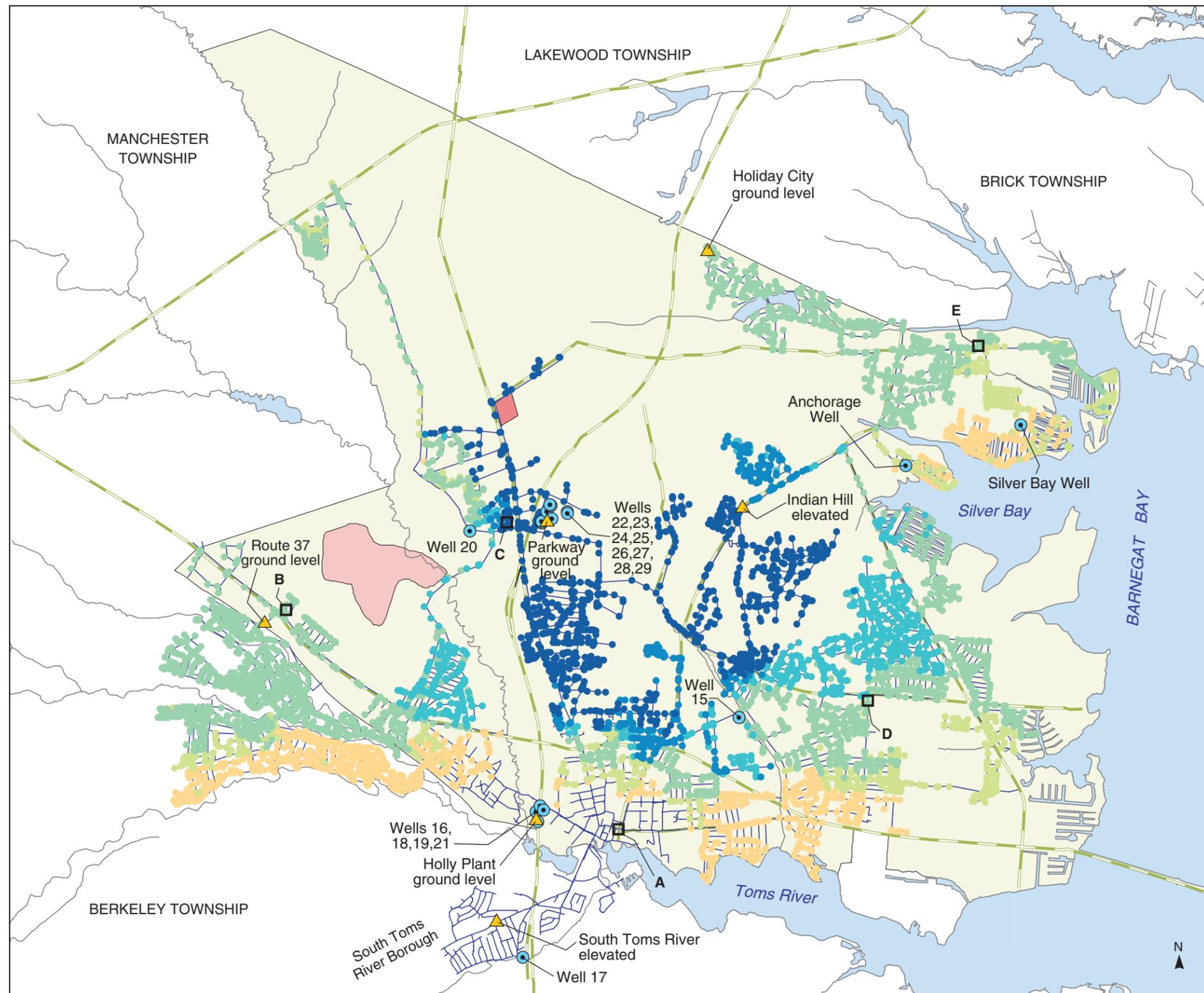


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 90. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE INDIAN HEAD WELL (20) 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



EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
■ Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ 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

● 1 to 10	● 50 to 75
● 10 to 25	● 75 to 90
● 25 to 50	● 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



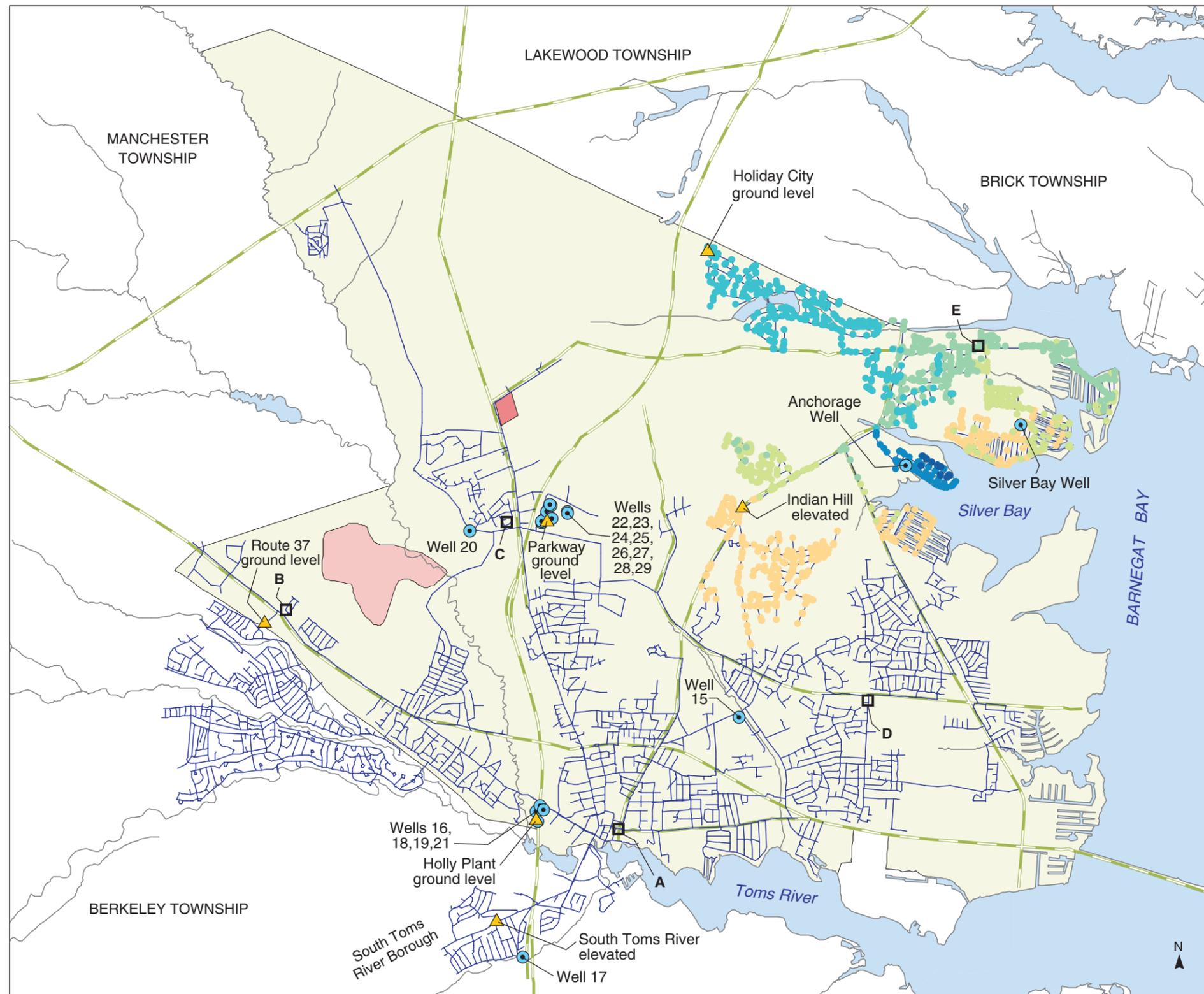
PLATE 91. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE PARKWAY WELLS (22, 23, 24, 25, 26, 27, 28, 29) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1978 CONDITIONS

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.



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by Anchorage well, 24-hour average

- 1 to 10
- 10 to 25
- 25 to 50
- 50 to 75
- 75 to 90
- 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

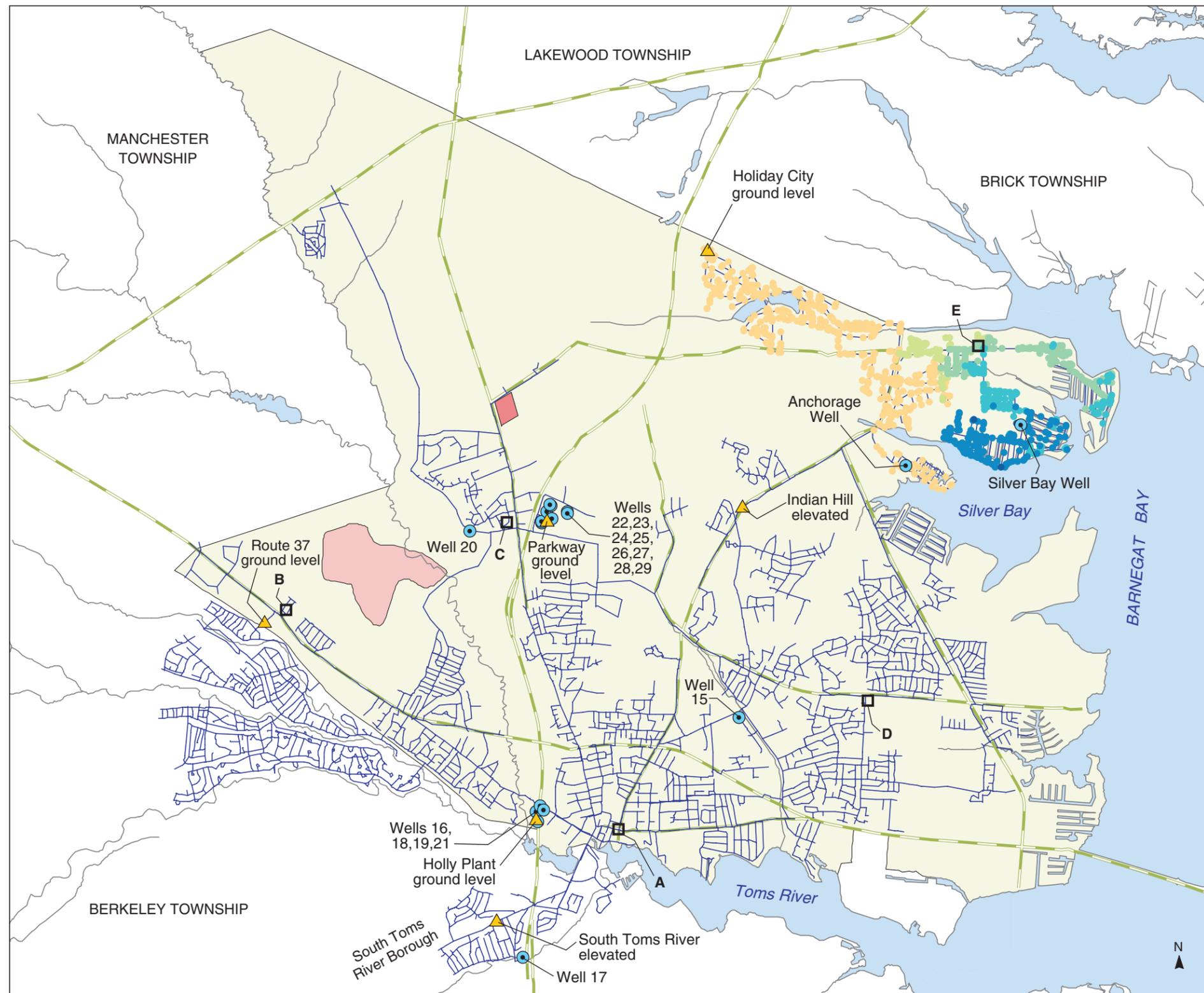


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 92. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE ANCHORAGE WELL 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



- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank
 - Water pipeline

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

Percentage of water contributed by Silver Bay well, 24-hour average

- 1 to 10
- 50 to 75
- 10 to 25
- 75 to 90
- 25 to 50
- 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



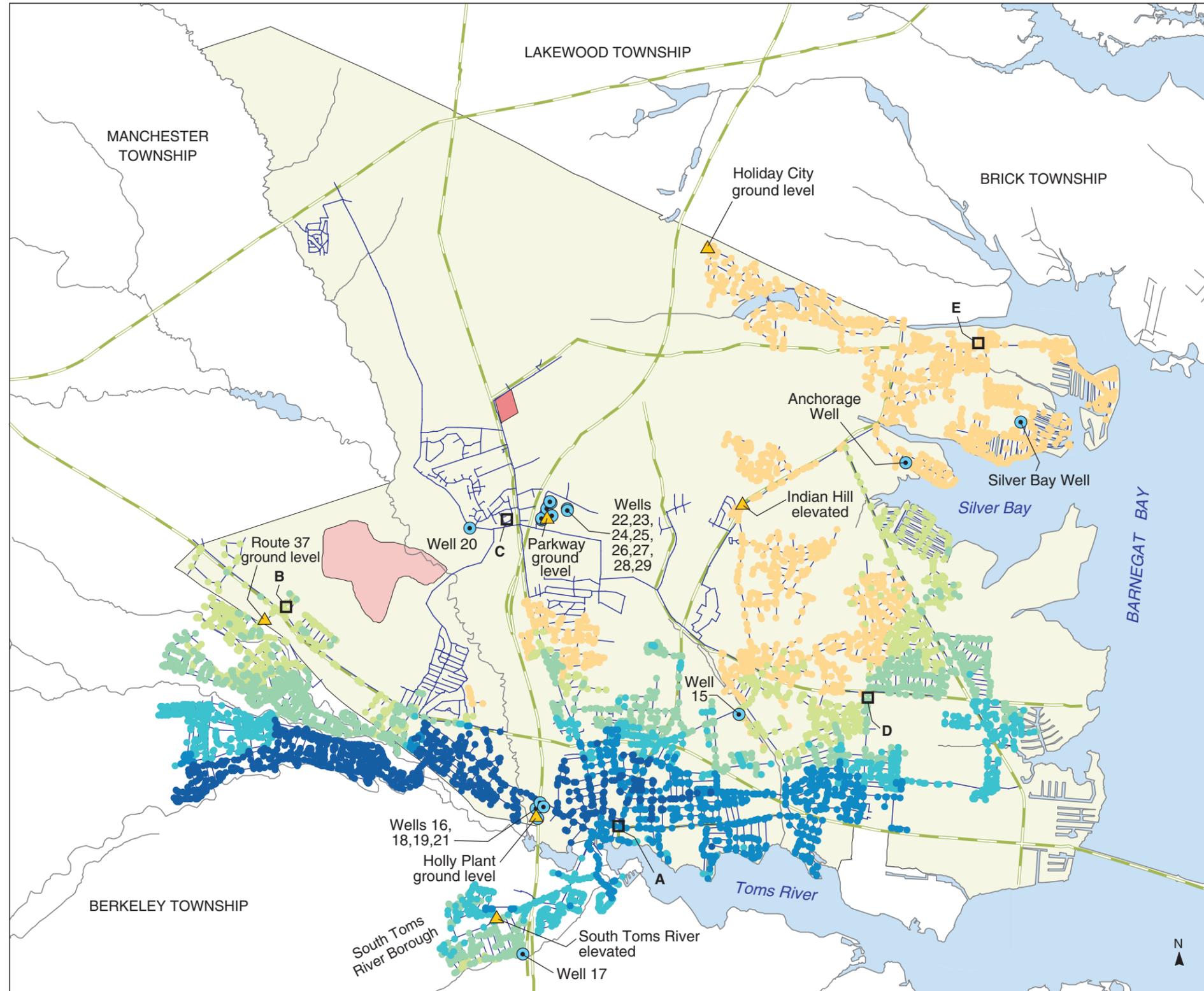
PLATE 93. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SILVER BAY WELL TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, JUNE 1978 CONDITIONS

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.

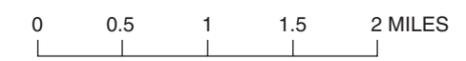


- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

- Percentage of water contributed by Holly wells (16, 18, 19), 24-hour average
- 1 to 10
 - 10 to 25
 - 25 to 50
 - 50 to 75
 - 75 to 90
 - 90 to 100

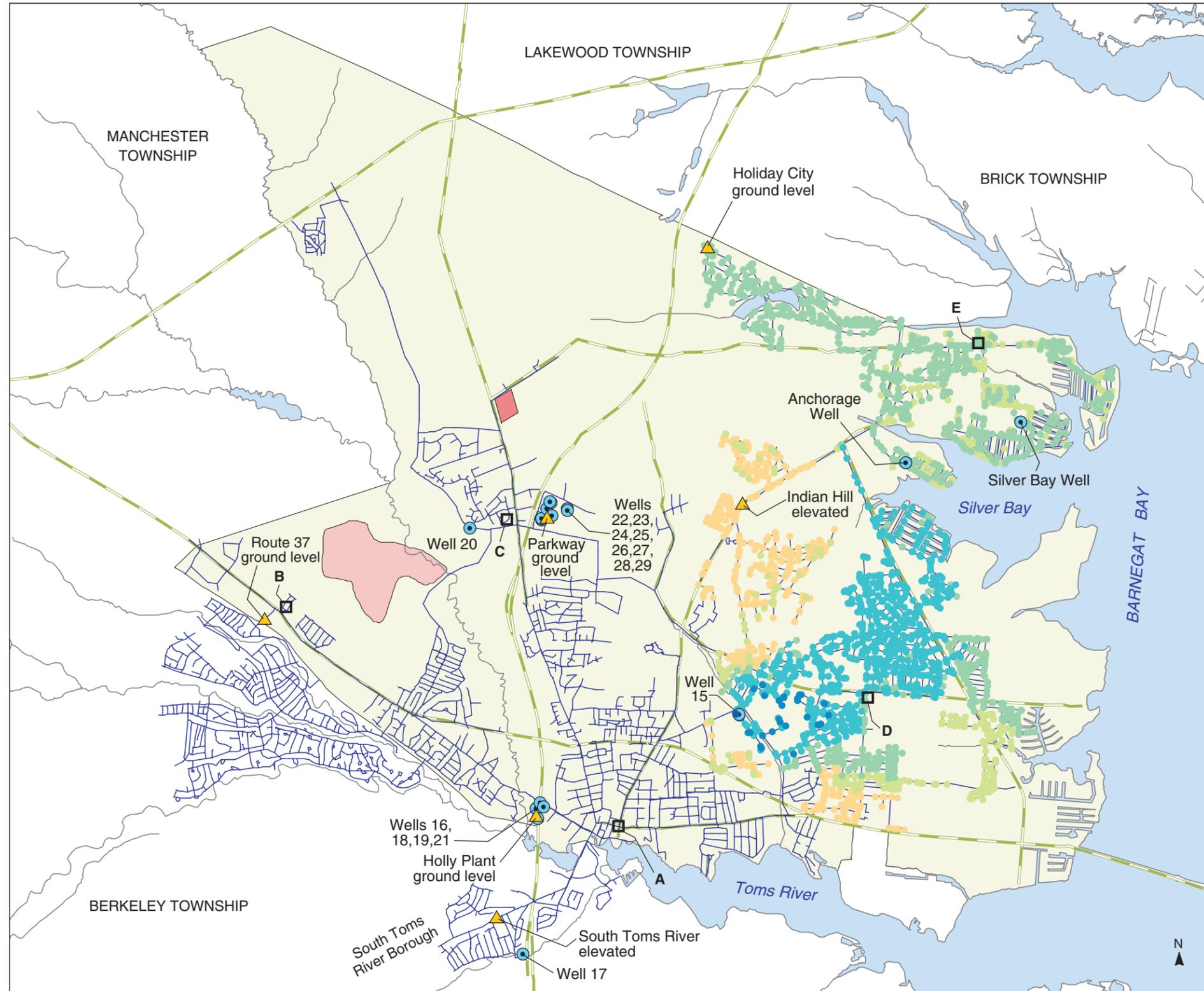
Notes: (1) Water pipelines range in diameter from 2 inches to 16 inches
 (2) Roads, hydrography, and boundaries based on 1995 TIGER/Line data
 (3) Pipeline from water-utility database (Flegal 1997)
 (4) Percentage of water based on model reaching dynamic equilibrium after 1,200 hours of simulation time



**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 94. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELLS (16, 18, 19) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1978 CONDITIONS
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



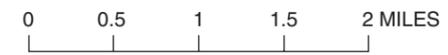
- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

- 1 to 10
- 50 to 75
- 10 to 25
- 75 to 90
- 25 to 50
- 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

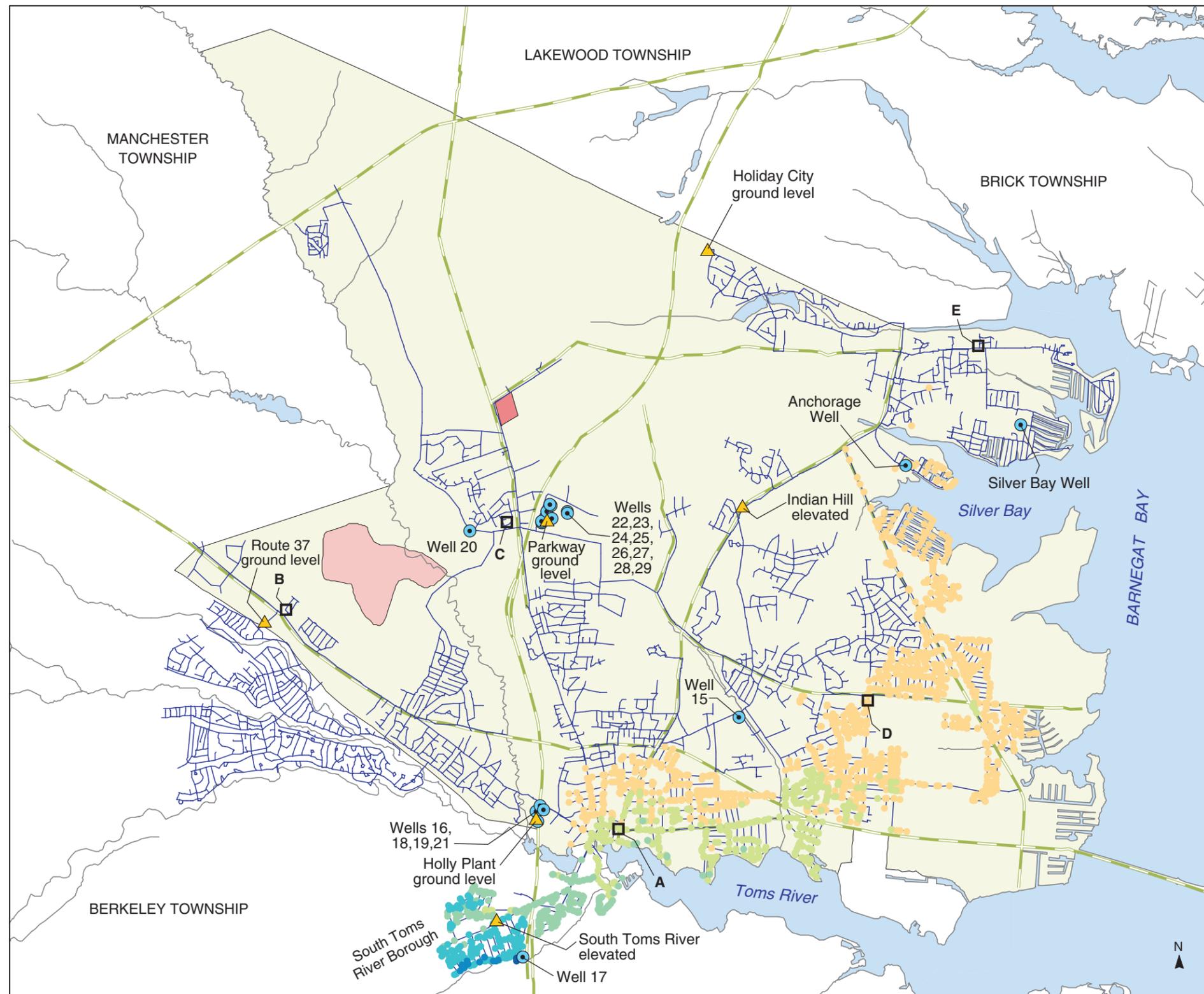


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 95. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1978 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by South Toms River well (17), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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



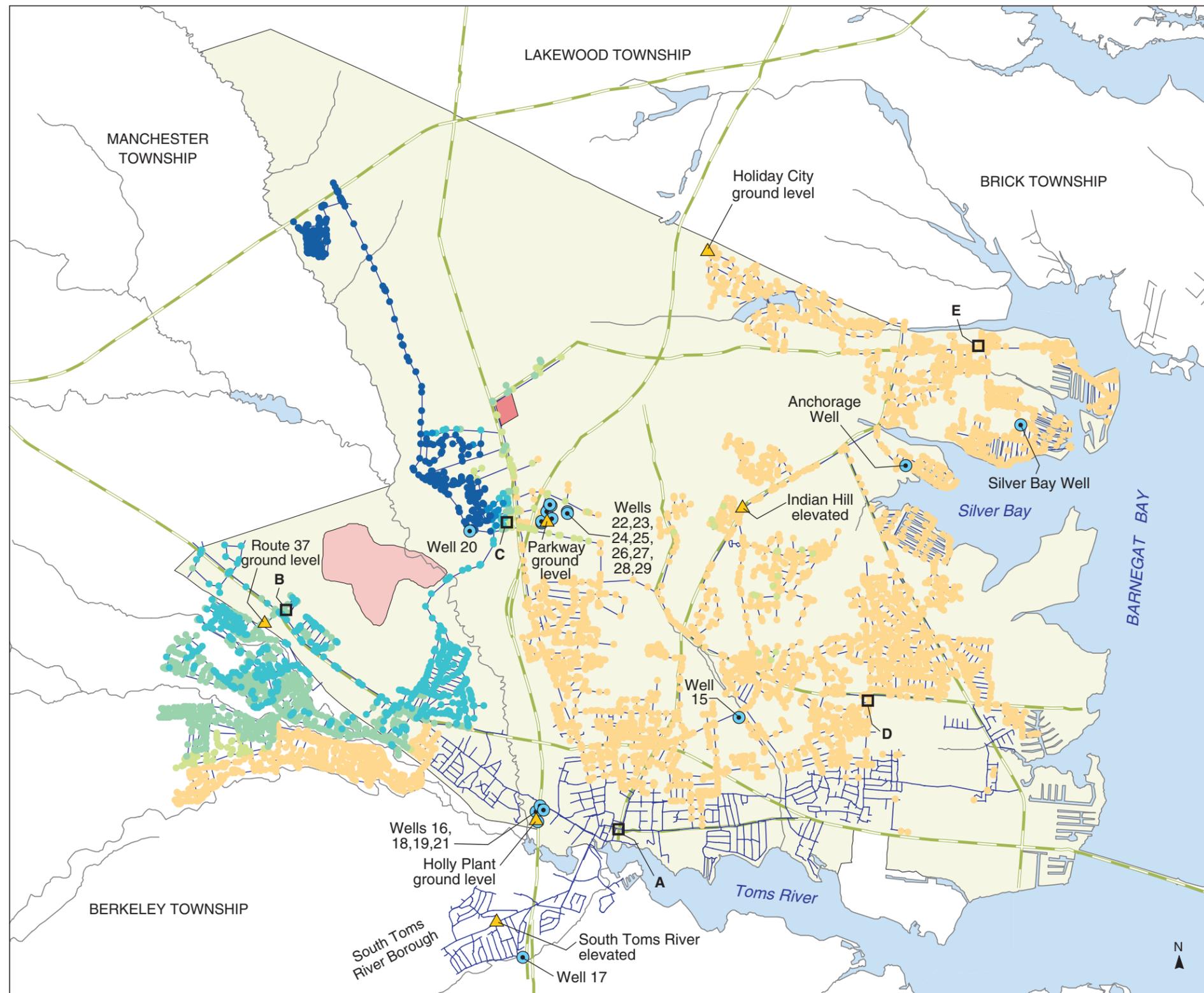
PLATE 96. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE SOUTH TOMS RIVER WELL (17) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1978 CONDITIONS

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**

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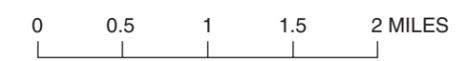
- EXPLANATION**
- Reich Farm NPL Site
 - Ciba-Geigy NPL Site
 - Dover Township
 - Water body
 - Water pipeline
 - Major road
 - Hydrography
 - Municipal well
 - Storage tank

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

Percentage of water contributed by Indian Head well (20), 24-hour average

- 1 to 10
- 50 to 75
- 10 to 25
- 75 to 90
- 25 to 50
- 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

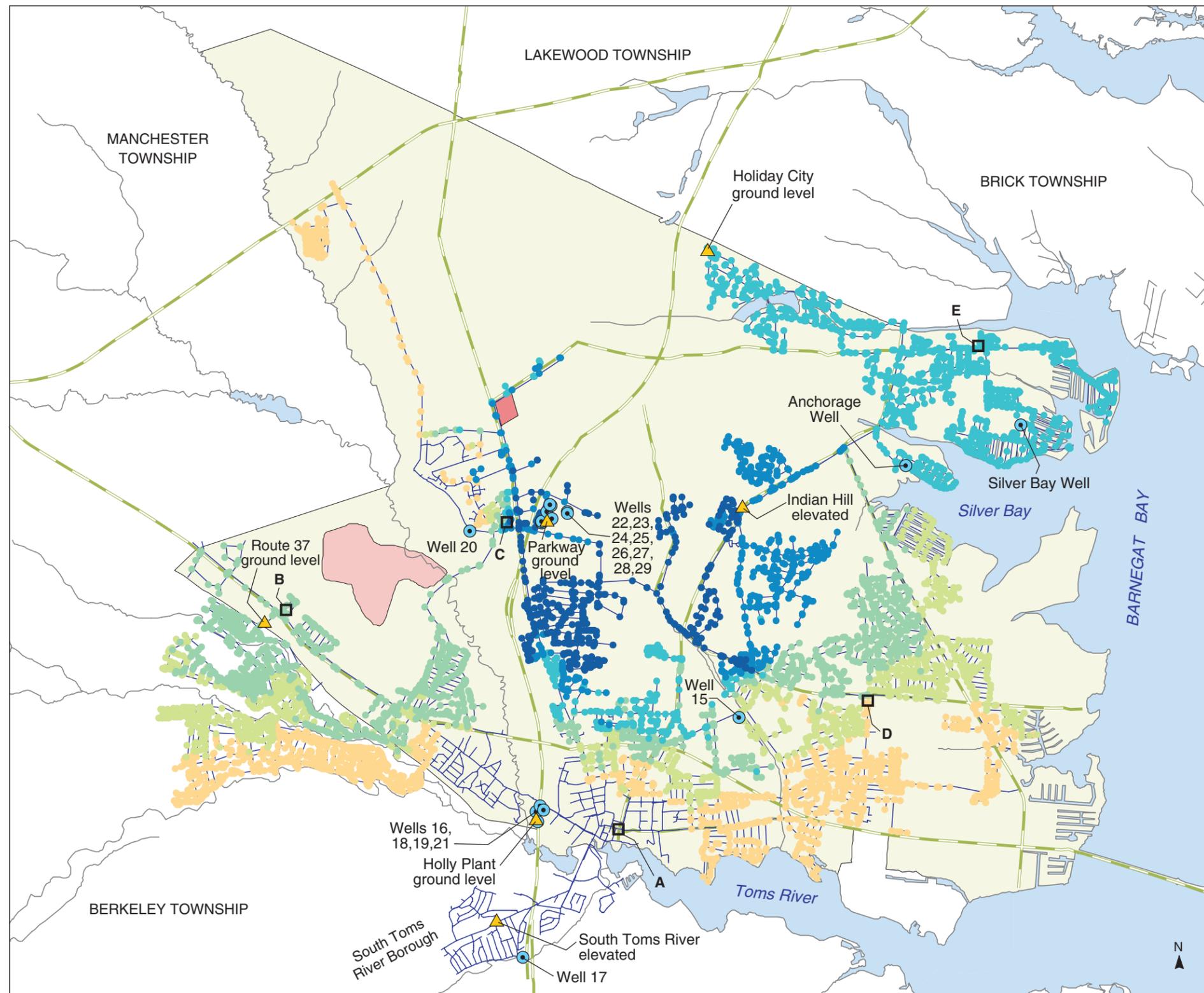


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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 97. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE INDIAN HEAD WELL (20) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1978 CONDITIONS

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



EXPLANATION

■ Reich Farm NPL Site	— Water pipeline
■ Ciba-Geigy NPL Site	— Major road
 Dover Township	— Hydrography
■ Water body	● Municipal well
	▲ Storage tank

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

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

● 1 to 10	● 50 to 75
● 10 to 25	● 75 to 90
● 25 to 50	● 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

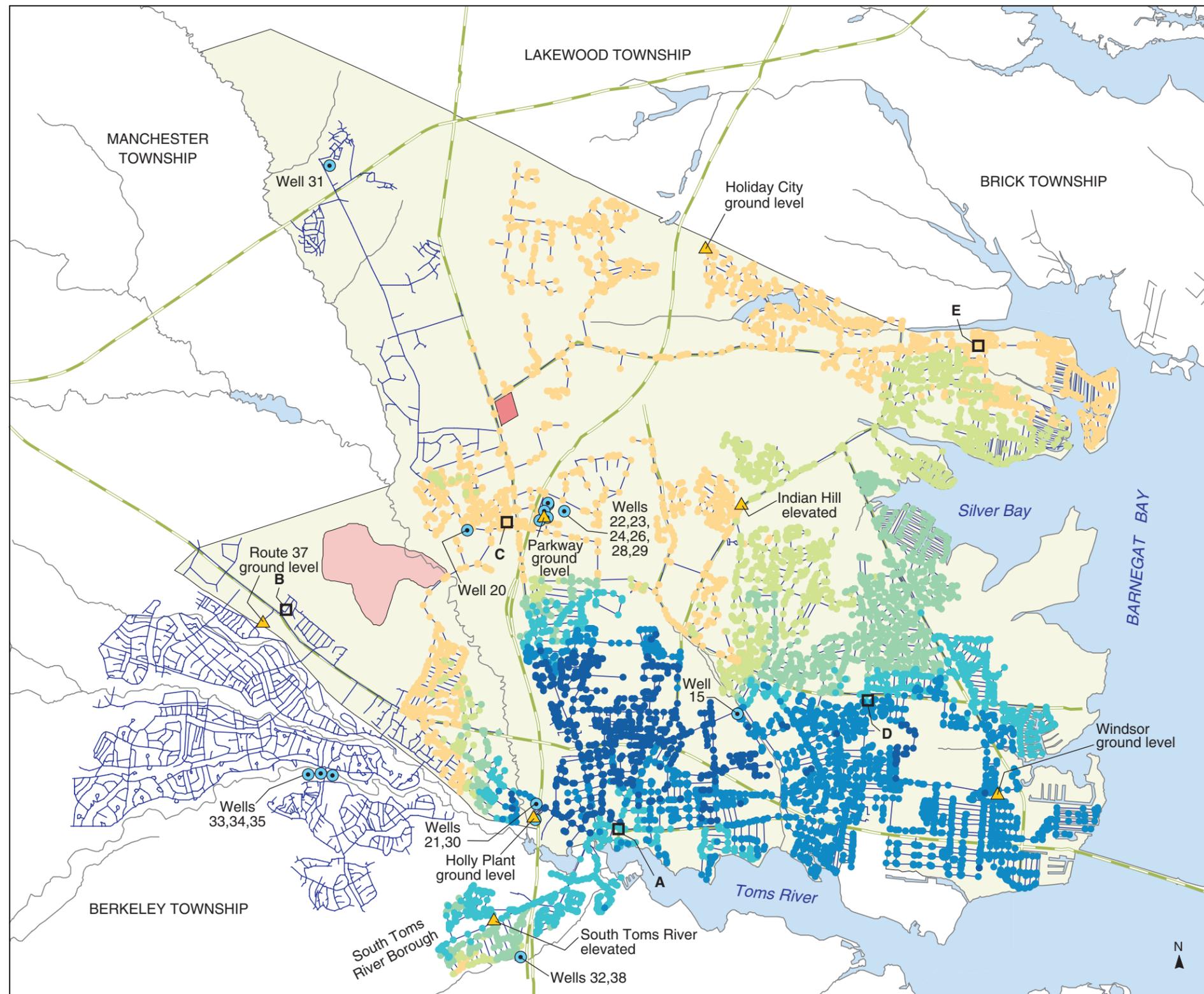


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**Dover Township Area, New Jersey
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PLATE 98. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE PARKWAY WELLS (24, 26, 28, 29) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, OCTOBER 1978 CONDITIONS
 By Morris L. Maslia, Jason B. Sautner, Mustafa M. Aral, Richard E. Gillig, Juan J. Reyes, and Robert C. Williams



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Holly well (30), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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

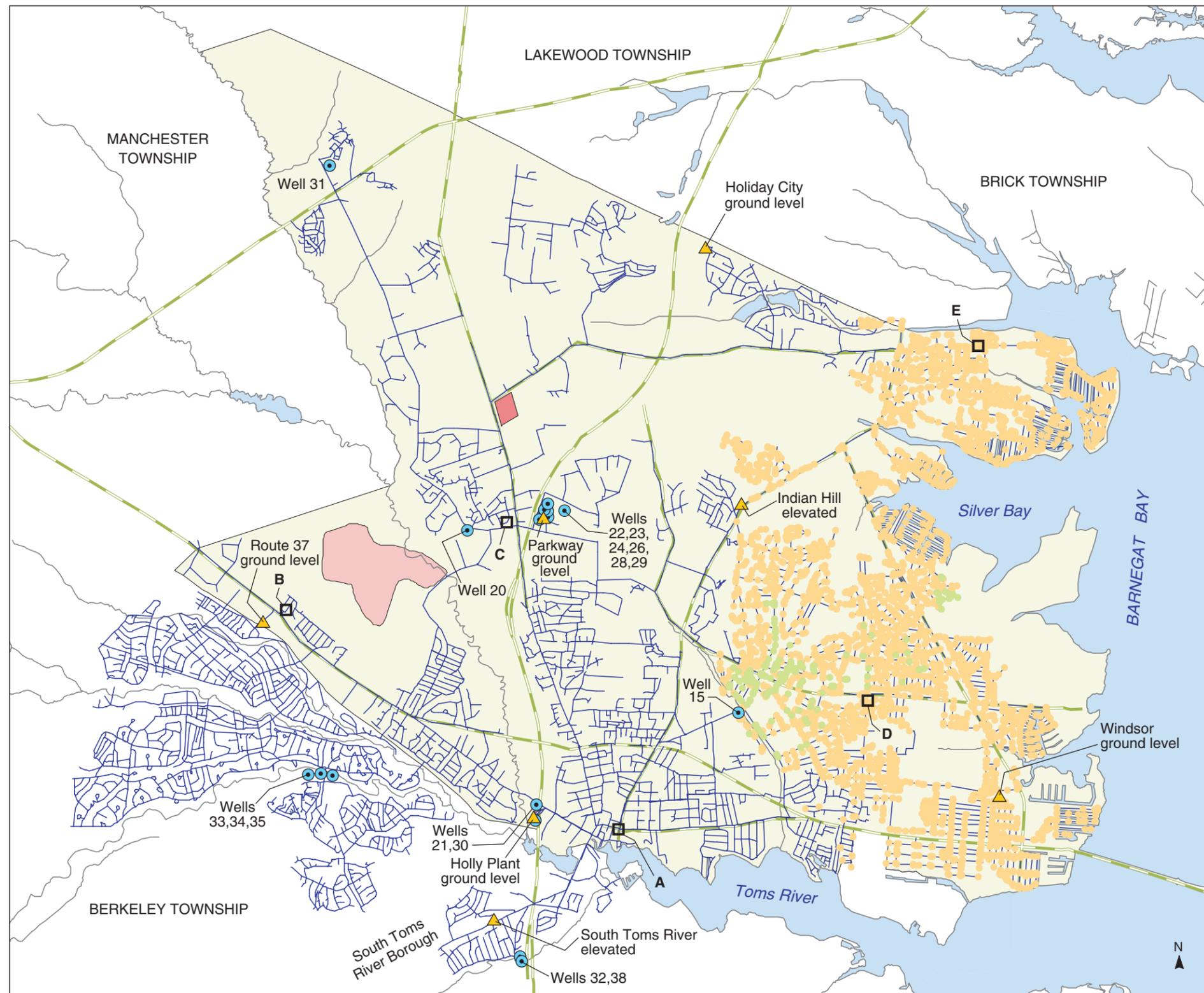


**Dover Township Area, New Jersey
 Water-Distribution System Model
 Historical Reconstruction Analysis**

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PLATE 99. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE HOLLY WELL (30) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1988 CONDITIONS

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



EXPLANATION

 Reich Farm NPL Site	 Water pipeline
 Ciba-Geigy NPL Site	 Major road
 Dover Township	 Hydrography
 Water body	 Municipal well
	 Storage tank

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

Percentage of water contributed by Brookside well (15), 24-hour average

 1 to 10	 50 to 75
 10 to 25	 75 to 90
 25 to 50	 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 100. AREAL DISTRIBUTION OF SIMULATED PROPORTIONATE CONTRIBUTION OF WATER FROM THE BROOKSIDE WELL (15) TO LOCATIONS IN THE DOVER TOWNSHIP AREA, NEW JERSEY, FEBRUARY 1988 CONDITIONS

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