

# **SURFACE-WATER-TEMPERATURE STATISTICS FOR STREAMS IN NEW JERSEY AND VICINITY, 1955-93**



U.S. GEOLOGICAL SURVEY  
Open-File Report 95-196

Prepared in cooperation with the  
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



SURFACE-WATER-TEMPERATURE STATISTICS FOR STREAMS IN NEW JERSEY AND VICINITY,  
1955-93

by Timothy J. Reed and Kathryn Hunchak-Kariouk

---

U.S. GEOLOGICAL SURVEY

Open File Report 95-196

Prepared in cooperation with the

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



West Trenton, New Jersey  
1995

U.S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY

Gordon P. Eaton, Director

---

For additional information  
write to:

District Chief  
U.S. Geological Survey  
Mountain View Office Park  
Suite 206  
810 Bear Tavern Road  
West Trenton, NJ 08628

Copies of this report can be  
purchased from:

U.S. Geological Survey  
Earth Science Information Center  
Open-File Reports Section  
Box 25286, MS 517  
Denver Federal Center  
Denver, CO 80225

## CONTENTS

	Page
Abstract.....	1
Introduction.....	1
Purpose and scope.....	2
Previous investigations.....	2
Acknowledgments.....	2
Methods.....	3
Data collection.....	3
Measurement of surface-water temperature.....	3
Statistical analysis.....	27
Surface-water-temperature statistics.....	28
Data presentation.....	29
Variations in surface-water temperature.....	29
Summary.....	29
Selected references.....	31
Appendix 1--Numerical index of station numbers.....	135
Appendix 2--Alphabetical index of station names.....	139

## ILLUSTRATIONS

	Page
Figures 1-22. Maps showing:	
1. Location of stream-temperature sites in New Jersey and vicinity.....	5
2. Location of stream-temperature sites, Atlantic County, New Jersey.....	6
3. Location of stream-temperature sites, Bergen County, New Jersey.....	7
4. Location of stream-temperature sites, Burlington County, New Jersey.....	8
5. Location of stream-temperature sites, Camden County, New Jersey.....	9
6. Location of stream-temperature sites, Cape May County, New Jersey.....	10
7. Location of stream-temperature sites, Cumberland County, New Jersey.....	11
8. Location of stream-temperature sites, Essex County, New Jersey.....	12
9. Location of stream-temperature sites, Gloucester County, New Jersey.....	13
10. Location of stream-temperature sites, Hudson County, New Jersey.....	14
11. Location of stream-temperature sites, Hunterdon County, New Jersey.....	15
12. Location of stream-temperature sites, Mercer County, New Jersey.....	16
13. Location of stream-temperature sites, Middlesex County, New Jersey.....	17
14. Location of stream-temperature sites, Monmouth County, New Jersey.....	18

# ILLUSTRATIONS--Continued

	Page
Figure 15. Location of stream-temperature sites, Morris County, New Jersey.....	19
16. Location of stream-temperature sites, Ocean County, New Jersey.....	20
17. Location of stream-temperature sites, Passaic County, New Jersey.....	21
18. Location of stream-temperature sites, Salem County, New Jersey.....	22
19. Location of stream-temperature sites, Somerset County, New Jersey.....	23
20. Location of stream-temperature sites, Sussex County, New Jersey.....	24
21. Location of stream-temperature sites, Union County, New Jersey.....	25
22. Location of stream-temperature sites, Warren County, New Jersey.....	26

## TABLES

	Page
Table 1. Conversion of temperature values from Celsius to Fahrenheit.	4
2. Statistical summary of temperature data for streams in New Jersey and vicinity.....	33

# CONVERSION FACTORS

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
<u>Length</u>		
mile (mi)	1.609	kilometer
<u>Area</u>		
square mile (mi <sup>2</sup> )	2.590	square kilometer
<u>Temperature</u>		
degree Fahrenheit (°F)	°C = 5/9(°F-32)	degree Celsius (°C)

# SURFACE-WATER-TEMPERATURE STATISTICS FOR STREAMS IN NEW JERSEY AND VICINITY, 1955-93

By Timothy J. Reed and Kathryn Hunchak-Kariouk

## ABSTRACT

Monthly statistical summaries of surface-water temperatures measured at 277 U.S. Geological Survey surface-water sites in New Jersey and adjoining states are presented. Of the 277 sites, 259 are in New Jersey, 10 in Pennsylvania, 6 in New York, and 2 in Delaware. The Pennsylvania, New York, and Delaware sites are included because conditions there reflect conditions in New Jersey streams. Most of the temperatures were measured during 1955-93. Measurements were made prior to 1955, but were included only if available in the computer files.

Temperature data from 265 periodic, 37 continuous, and 18 daily temperature records were used to compile monthly statistics for each site. Summaries for periodic and daily records include the number of observations; the maximum, minimum, and median temperatures; and the 25th and 75th percentile temperatures. Summaries for continuous records include the maximum, minimum, and median temperatures.

## INTRODUCTION

Water temperature affects water quality and, therefore, water use. Many water-management programs require that water temperature be maintained within an acceptable range to ensure that the quality of surface water is sufficient to meet the intended purposes. Consequently, the accurate recording and reporting of temperature is crucial in establishing acceptable limits for surface-water temperature.

Many of the physical, chemical, and biological properties of water are influenced by temperature (Stevens, Ficke, and Smoot, 1975). Temperature-dependent physical properties of water, such as viscosity, density, and specific heat, affect the stratification and evaporation of water, the rate of particle settling, and the concentrations and replacement rates of dissolved gases. Chemical properties--ionic strength, conductivity, dissociation, and solvation--and chemical reactions and corrosion processes are affected by water temperature. Biological properties, such as growth rates and microbially mediated reaction rates, are affected by water temperature. Temperature directly influences the usefulness of the stream water for domestic supplies, fish and wildlife culture, waste assimilation, and industrial and agricultural applications.

Stream temperature is affected by natural and manmade factors. Natural factors affecting stream temperature include solar radiation, shade, snowmelt contributions, streamflow discharge, air temperature, and tributary springflow (Moore, 1967). Stream orientation also affects water temperature. Streams flowing east-west are exposed to more solar radiation, due to less shading, than streams flowing north-south; therefore, streams flowing east-west can have slightly higher temperatures (Moore, 1964).

The release of upper (warmer) or lower (cooler) layers from a reservoir can raise or lower downstream temperatures, respectively (Williams, 1971). Recycling processes, such as the return of irrigation water and the discharge of industrial wastes and cooling waters, usually increase the temperature of receiving waters (Cory and Nauman, 1968; Shampine, 1975). Such releases can create a temperature barrier that blocks the spawning migrations of many species of fish (Stevens, Ficke, and Smoot, 1975). Forest management practices and urban development, which remove vegetation from stream banks, also can alter temperature patterns (Pluhowski, 1970, 1972; Beschta and Taylor, 1988).

Unnatural changes in temperature can be detrimental to aquatic biota. An increase in temperature can lower the solubility of oxygen sufficiently to kill some species of fish, whereas a rapid decrease in temperature can cause chill death among many species. Deviations from the accustomed water temperature can stress aquatic communities, causing the replacement of temperature-sensitive species with temperature-tolerant species (Stevens, Ficke, and Smoot, 1975).

Adequate documentation of seasonal and spatial variations in temperatures can facilitate water-quality management efforts in the State. This study was conducted by the U.S. Geological Survey, in cooperation with the New Jersey Department of Environmental Protection (NJDEP), to provide temperature data to characterize the conditions of streams in and near New Jersey.

#### Purpose and Scope

The purpose of this report is to present temperature statistics and descriptive information for streams in or near New Jersey. Surface-water temperatures were measured at 277 sites, and monthly statistical summaries of these data are presented. Of the 277 sites, 259 are in New Jersey, 10 in Pennsylvania, 6 in New York, and 2 in Delaware. Most temperatures included in the statistical summaries were measured during 1955-93; a few were measured before 1955.

#### Previous Investigations

Monthly statistical summaries of stream-temperature data for New Jersey streams through 1973 were reported by M.G. McDonald and J.E. McCall (1974). The U.S. Geological Survey (USGS), New Jersey District, has published hydrologic data reports annually since 1964 that include surface-water temperatures collected at water-quality sites in New Jersey (U.S. Geological Survey, 1964-92).

#### Acknowledgments

The assistance of S.E. Pustay with data entry is gratefully acknowledged.



## METHODS

Surface-water-temperature data from 265 periodic, 37 continuous, and 18 daily stream-temperature records were used to calculate the statistics for the monthly summary tables. Most of the temperature data were collected by the USGS and NJDEP as part of water-quality-monitoring studies. Other temperature data were collected as incidental to other studies. Temperature data are available for more than 1,000 sites in New Jersey; however, only those sites with at least 36 temperatures recorded were included in this report.

The USGS has been measuring surface-water temperatures in °C (degrees Celsius) since the late 1970's (Stevens, Ficke, and Smoot, 1975). All temperature values originally recorded in degrees Fahrenheit have been converted to °C. Statistics are reported to 0.5 °C. A Celsius-to-Fahrenheit conversion chart is presented in table 1.

### Data Collection

Water temperatures were measured at 259 sites in New Jersey, 10 in Pennsylvania, 6 in New York, and 2 in Delaware (fig. 1). Figures 2 through 22 show the site locations in each county of New Jersey. Temperature summaries for sites outside New Jersey are included because the streams are near sites in New Jersey and, therefore, reflect conditions in New Jersey streams. Most of the temperatures used in this report were measured during 1955-93; some were measured before 1955.

Temperature data used in this report were compiled from the USGS surface-water and water-quality data bases. Periodic and daily temperature data are stored in the USGS data base as individual measurements. Continuous temperature data are stored as maximum, minimum, and daily mean temperatures.

Periodic temperature data were collected during water-quality and sediment sampling, stream-discharge measurements, or gage inspections. Continuous temperature data were collected as part of a continuous water-quality monitoring program. Daily temperature data were collected typically once a day (usually at the same time each day) for a specified time period as part of a particular water-quality monitoring program.

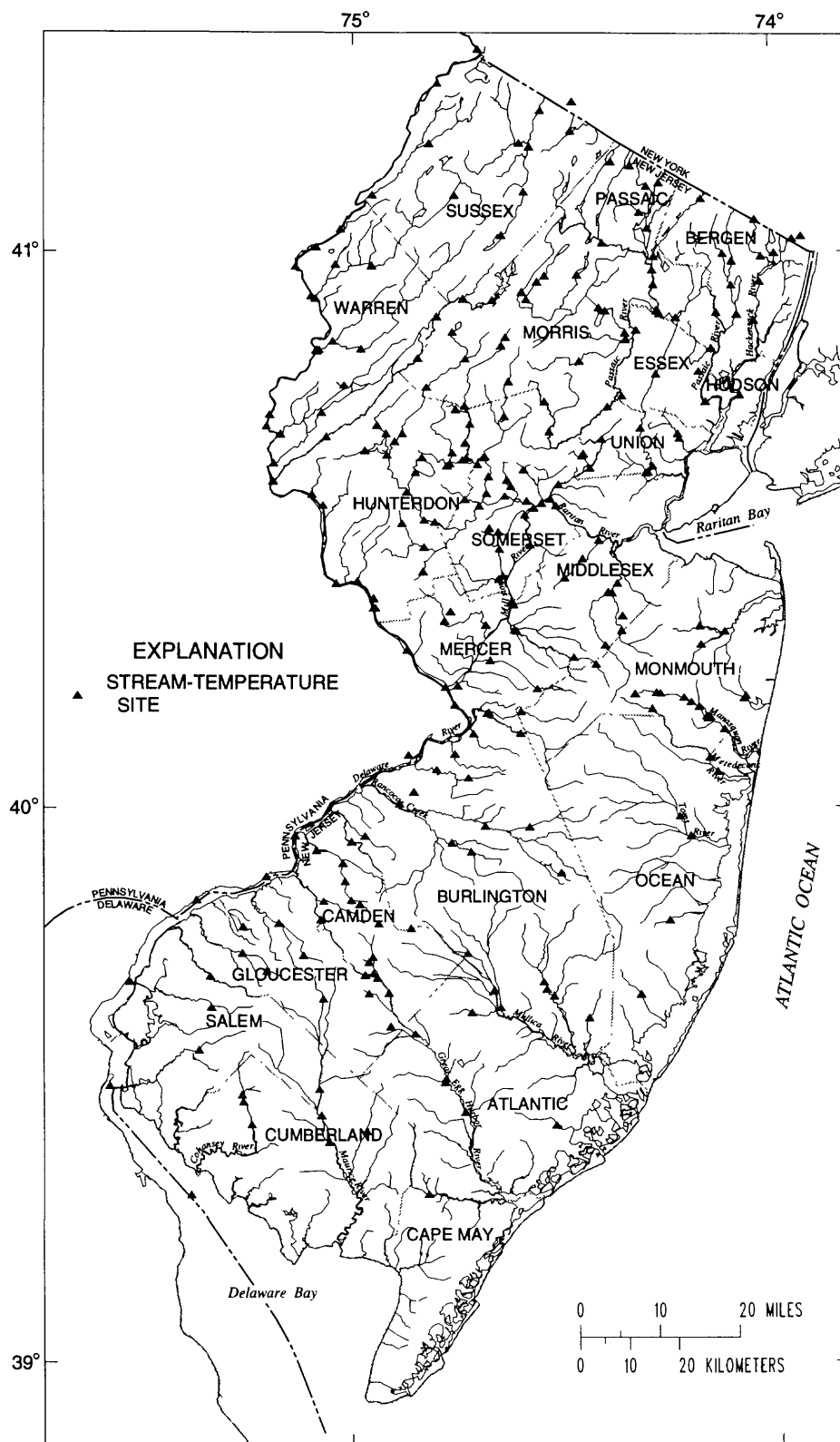
### Measurement of Surface-Water Temperature

Periodic temperatures were measured by using hand-held thermometers and probe thermistors. Continuous temperatures were measured by using a submerged sensor connected to a continuous-recording device. Daily temperatures were measured by using hand-held thermometers.

Table 1--Conversion of temperature values from Celsius to Fahrenheit

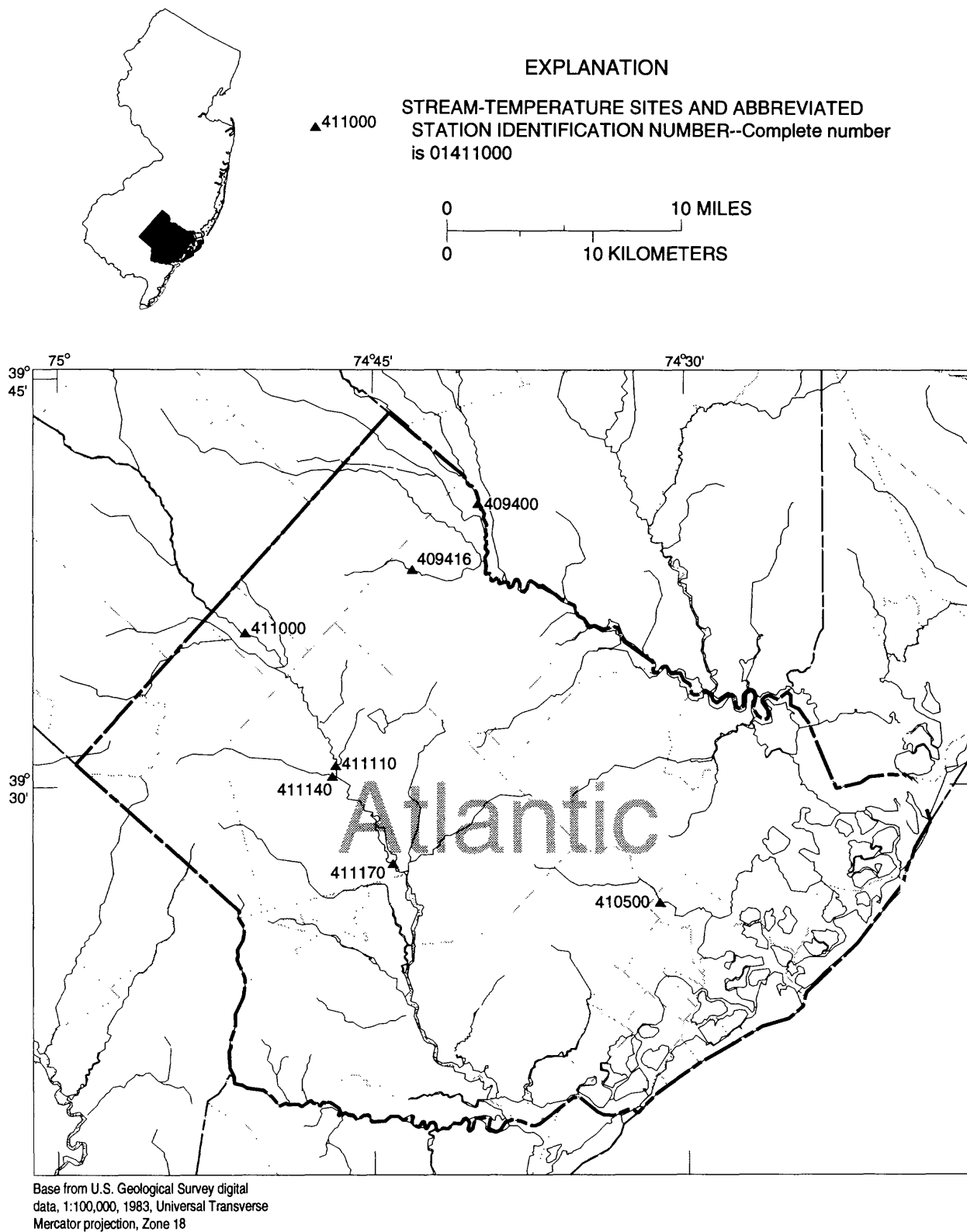
[°C, degrees Celsius; °F, degrees Fahrenheit; Fahrenheit temperatures are rounded to the nearest degree]

°C	°F	°C	°F	°C	°F	°C	°F
-0.5	31	9.5	49	19.5	67	29.5	85
.0	32	10.0	50	20.0	68	30.0	86
.5	33	10.5	51	20.5	69	30.5	87
1.0	34	11.0	52	21.0	70	31.0	88
1.5	35	11.5	53	21.5	71	31.5	89
2.0	36	12.0	54	22.0	72	32.0	90
2.5	36	12.5	54	22.5	72	32.5	90
3.0	37	13.0	55	23.0	73	33.0	91
3.5	38	13.5	56	23.5	74	33.5	92
4.0	39	14.0	57	24.0	75	34.0	93
4.5	40	14.5	58	24.5	76	34.5	94
5.0	41	15.0	59	25.0	77	35.0	95
5.5	42	15.5	60	25.5	78	35.5	96
6.0	43	16.0	61	26.0	79	36.0	97
6.5	44	16.5	62	26.5	80	36.5	98
7.0	45	17.0	63	27.0	81	37.0	99
7.5	46	17.5	64	27.5	82	37.5	100
8.0	46	18.0	64	28.0	82	38.0	100
8.5	47	18.5	65	28.5	83	38.5	101
9.0	48	19.0	66	29.0	84	39.0	102



Base from U.S. Geological Survey digital  
 data, 1:100,000, 1983, Universal Transverse  
 Mercator projection, Zone 18

Figure 1. Location of stream-temperature sites in New Jersey and vicinity.



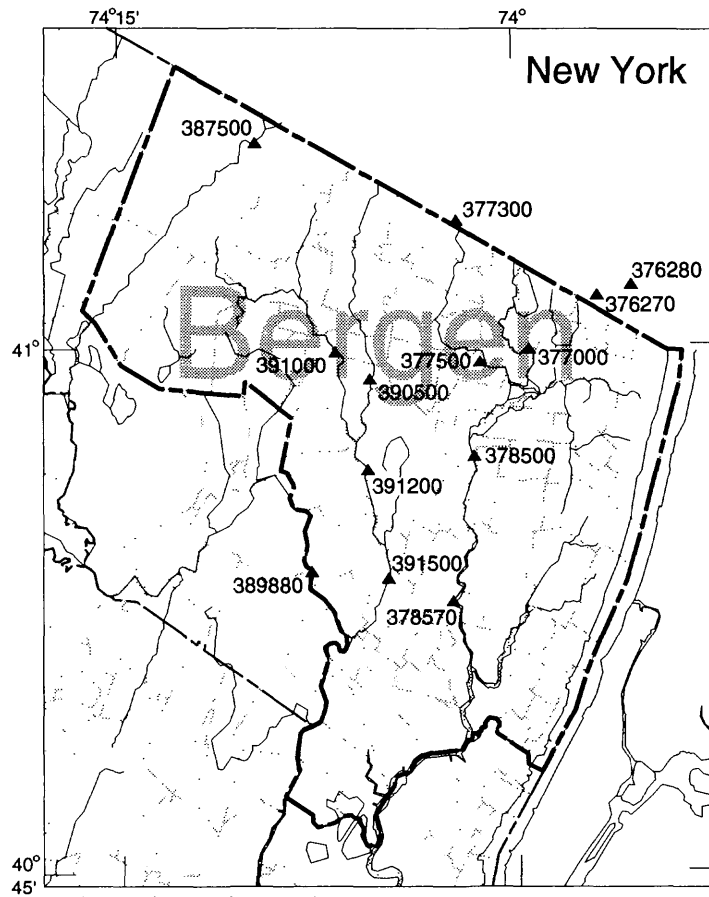
**Figure 2. Location of stream-temperature sites, Atlantic County, New Jersey.**



# EXPLANATION

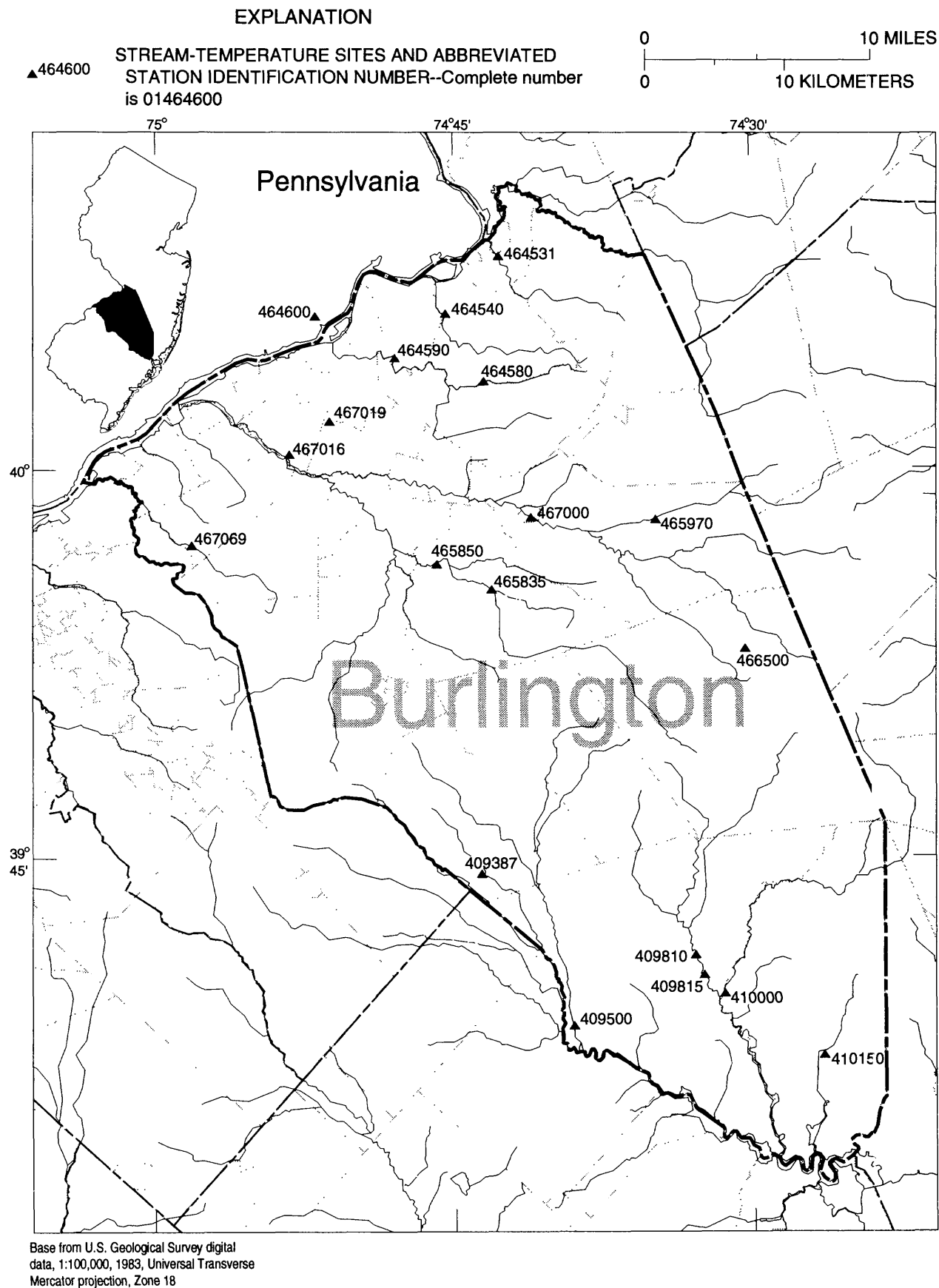
▲ 387500

STREAM-TEMPERATURE SITES AND ABBREVIATED  
STATION IDENTIFICATION NUMBER--Complete number  
is 01387500

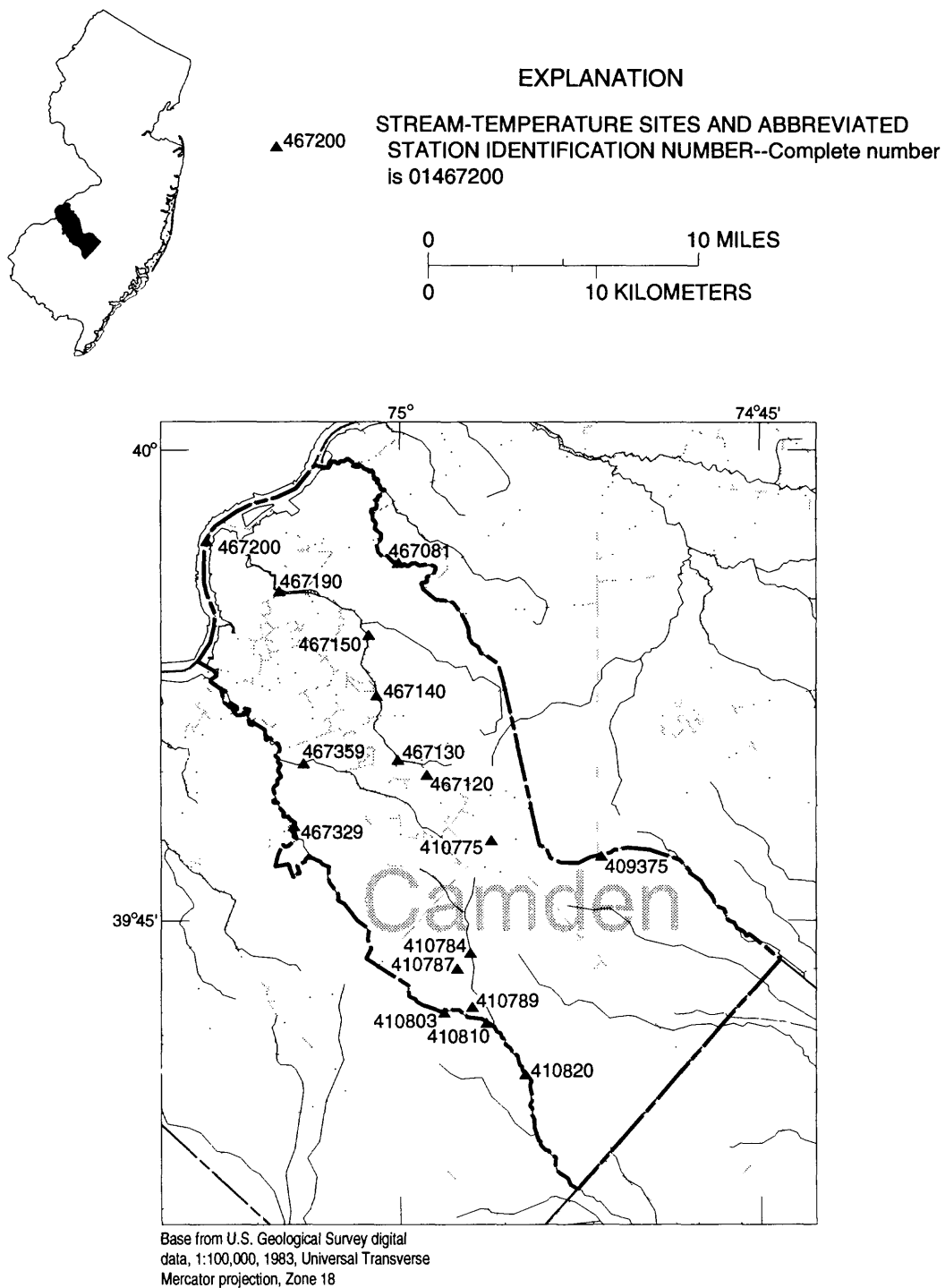


Base from U.S. Geological Survey digital  
data, 1:100,000, 1983, Universal Transverse  
Mercator projection, Zone 18

Figure 3. Location of stream-temperature sites, Bergen County, New Jersey.



**Figure 4. Location of stream-temperature sites, Burlington County, New Jersey.**



**Figure 5. Location of stream-temperature sites, Camden County, New Jersey.**

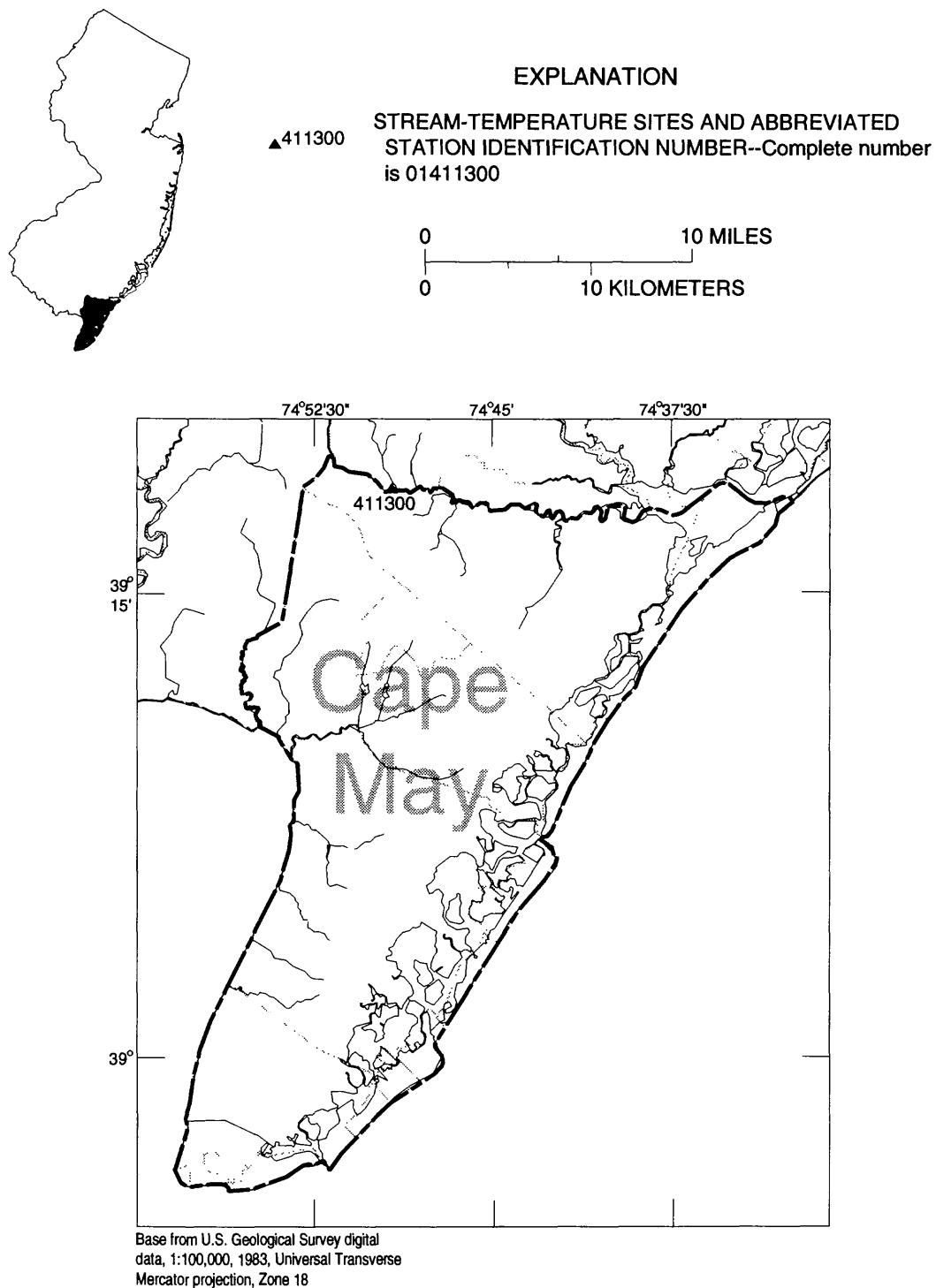


Figure 6. Location of stream-temperature sites, Cape May, New Jersey.



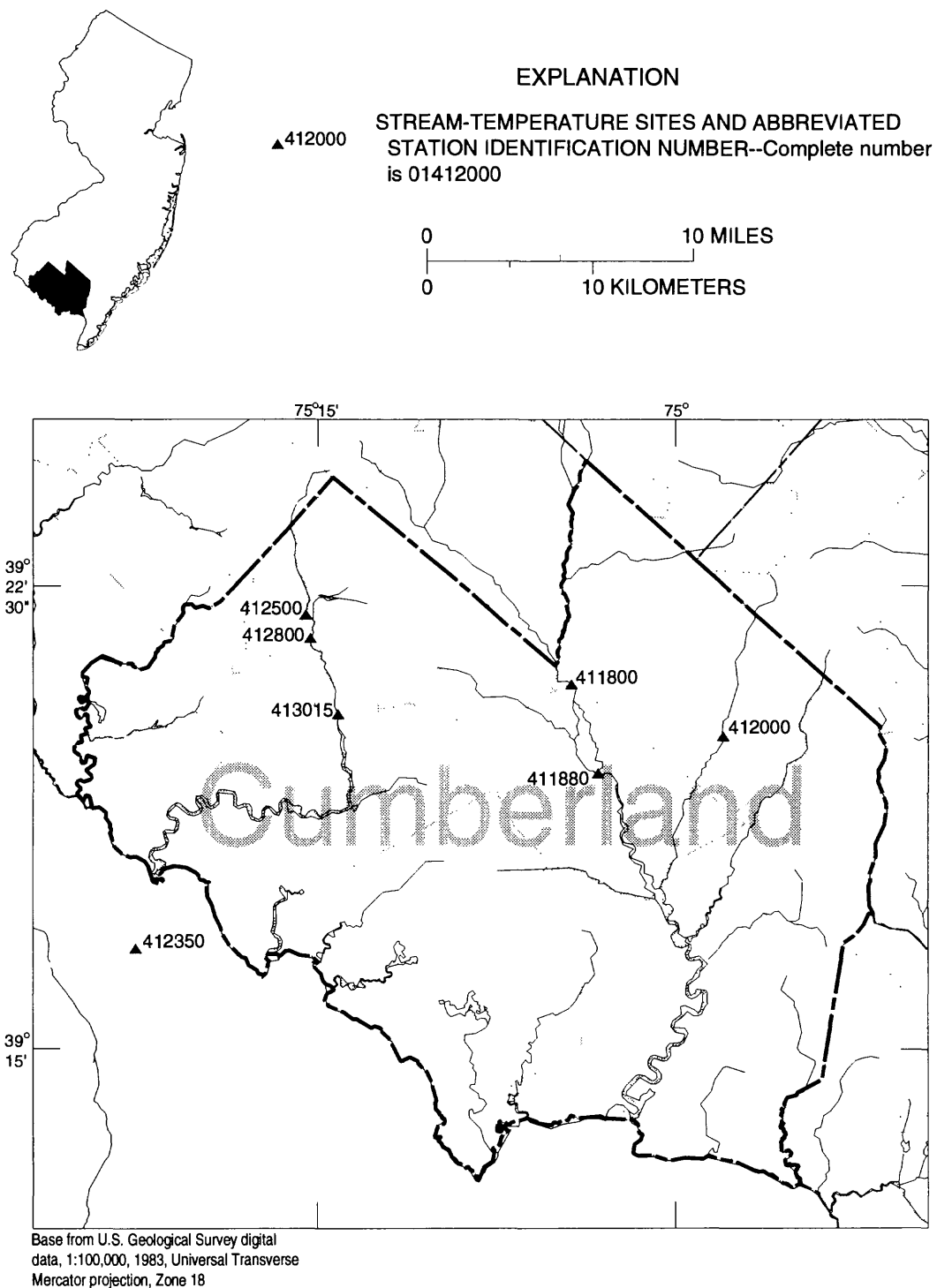
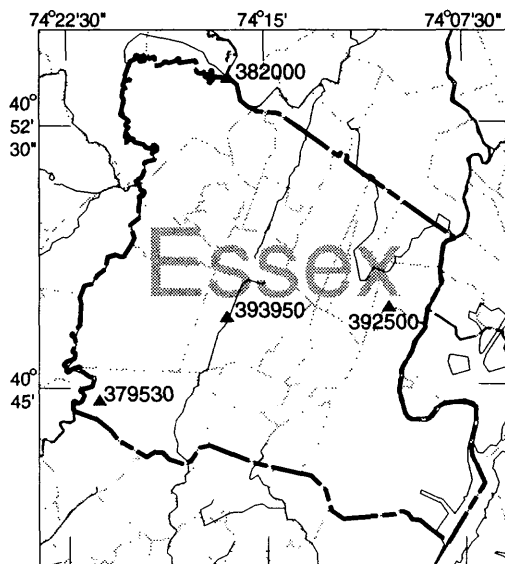


Figure 7. Location of stream-temperature sites, Cumberland County, New Jersey.



# EXPLANATION

▲ 392500  
 STREAM-TEMPERATURE SITES AND ABBREVIATED  
 STATION IDENTIFICATION NUMBER--Complete number  
 is 01392500



Base from U.S. Geological Survey digital  
 data, 1:100,000, 1983, Universal Transverse  
 Mercator projection, Zone 18

Figure 8. Location of stream-temperature sites, Essex County, New Jersey.

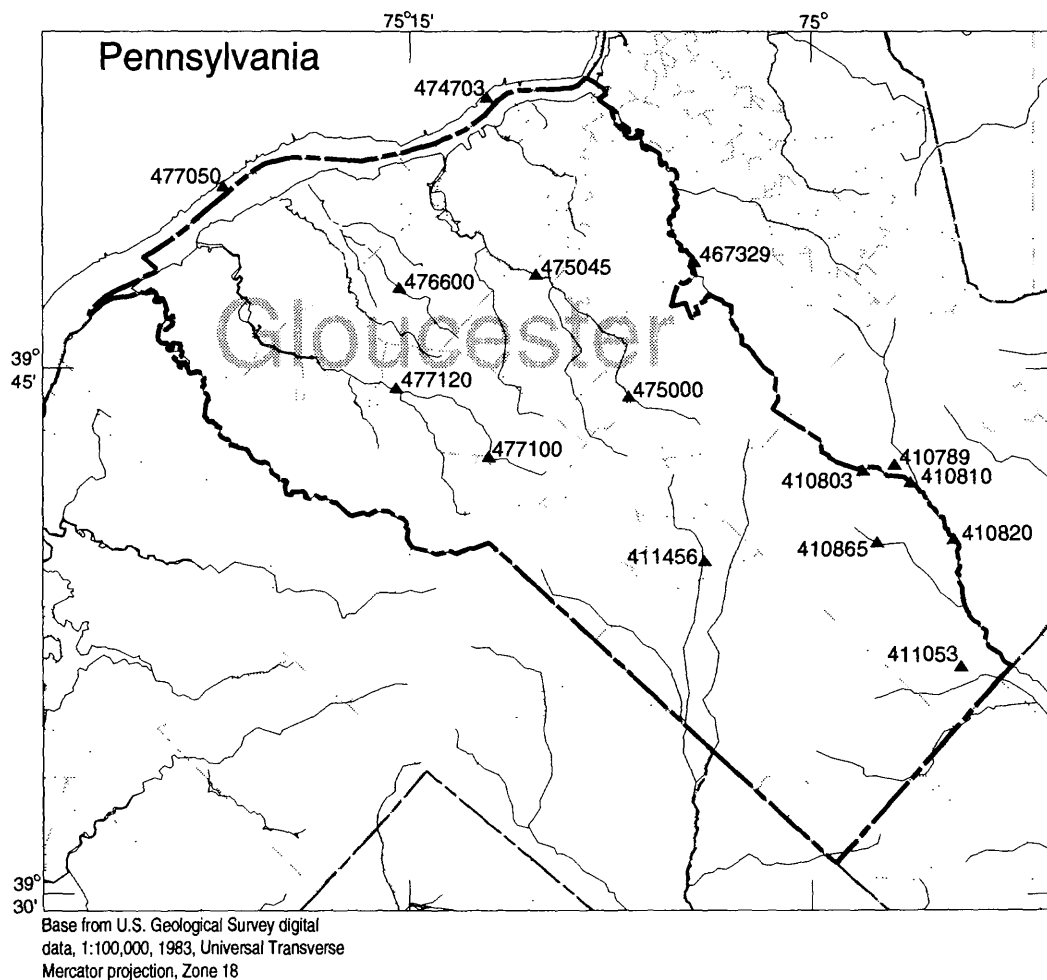
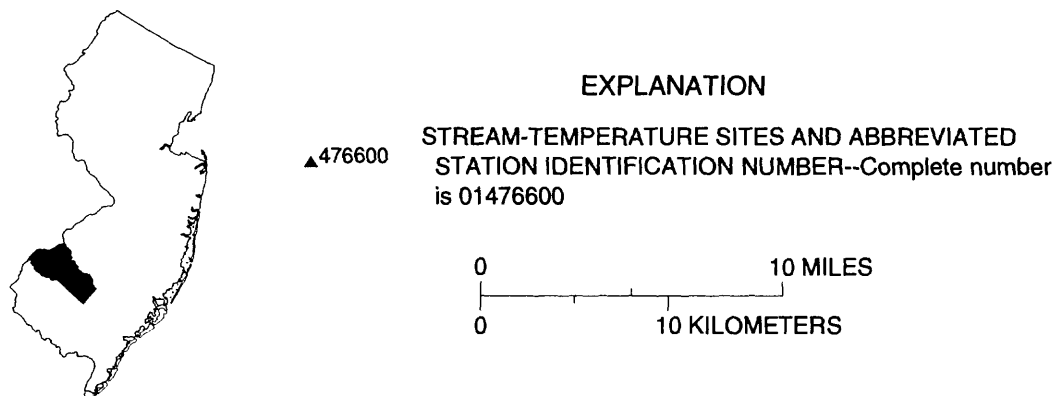


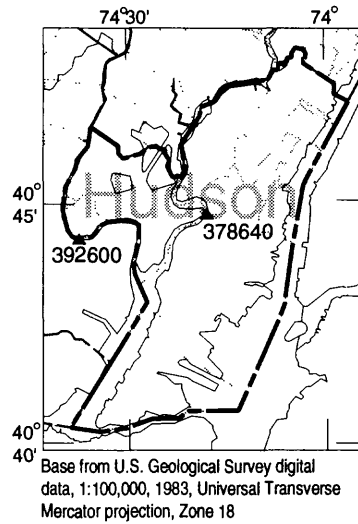
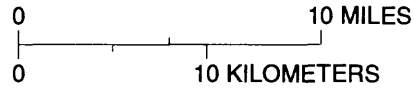
Figure 9. Location of stream-temperature sites, Gloucester County, New Jersey.



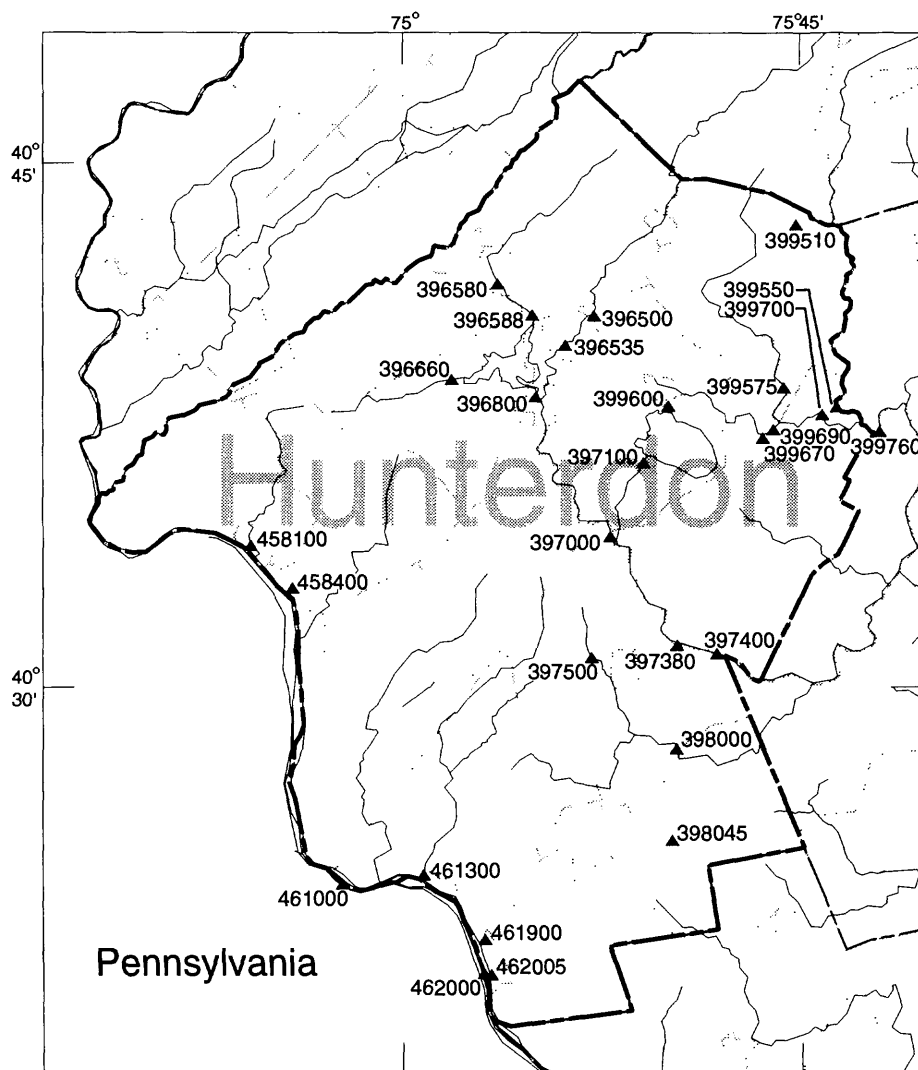
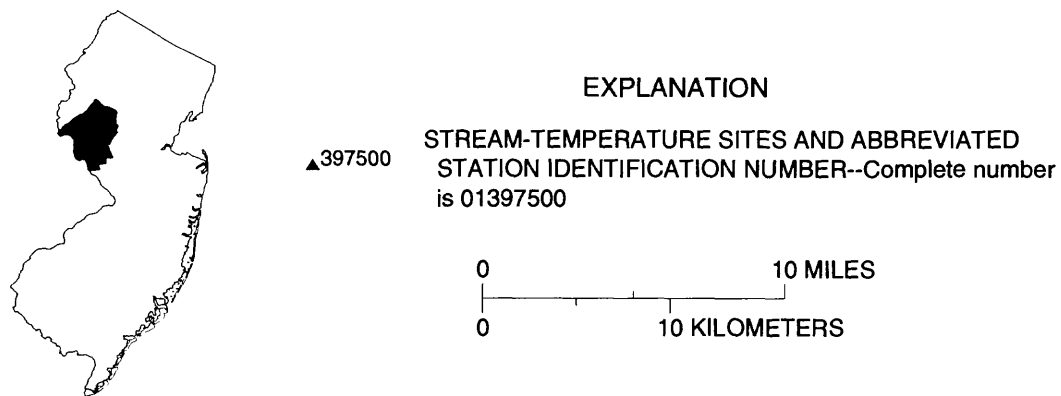
# EXPLANATION

▲ 392600

STREAM-TEMPERATURE SITES AND ABBREVIATED  
STATION IDENTIFICATION NUMBER--Complete number  
is 01392600



**Figure 10. Location of stream-temperature sites, Hudson County, New Jersey.**



Base from U.S. Geological Survey digital  
data, 1:100,000, 1983, Universal Transverse  
Mercator projection, Zone 18

**Figure 11. Location of stream-temperature sites, Hunterdon County, New Jersey.**

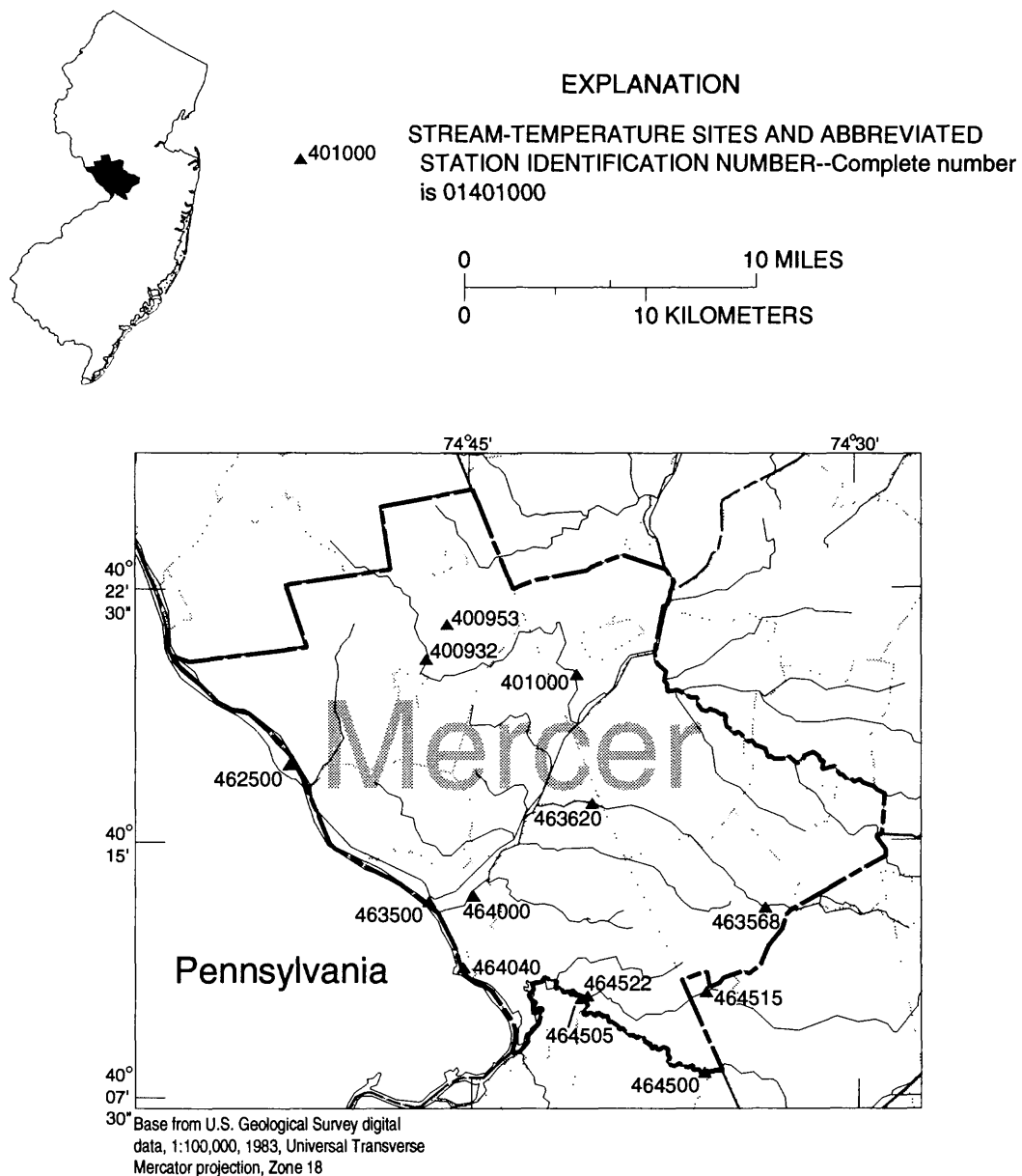
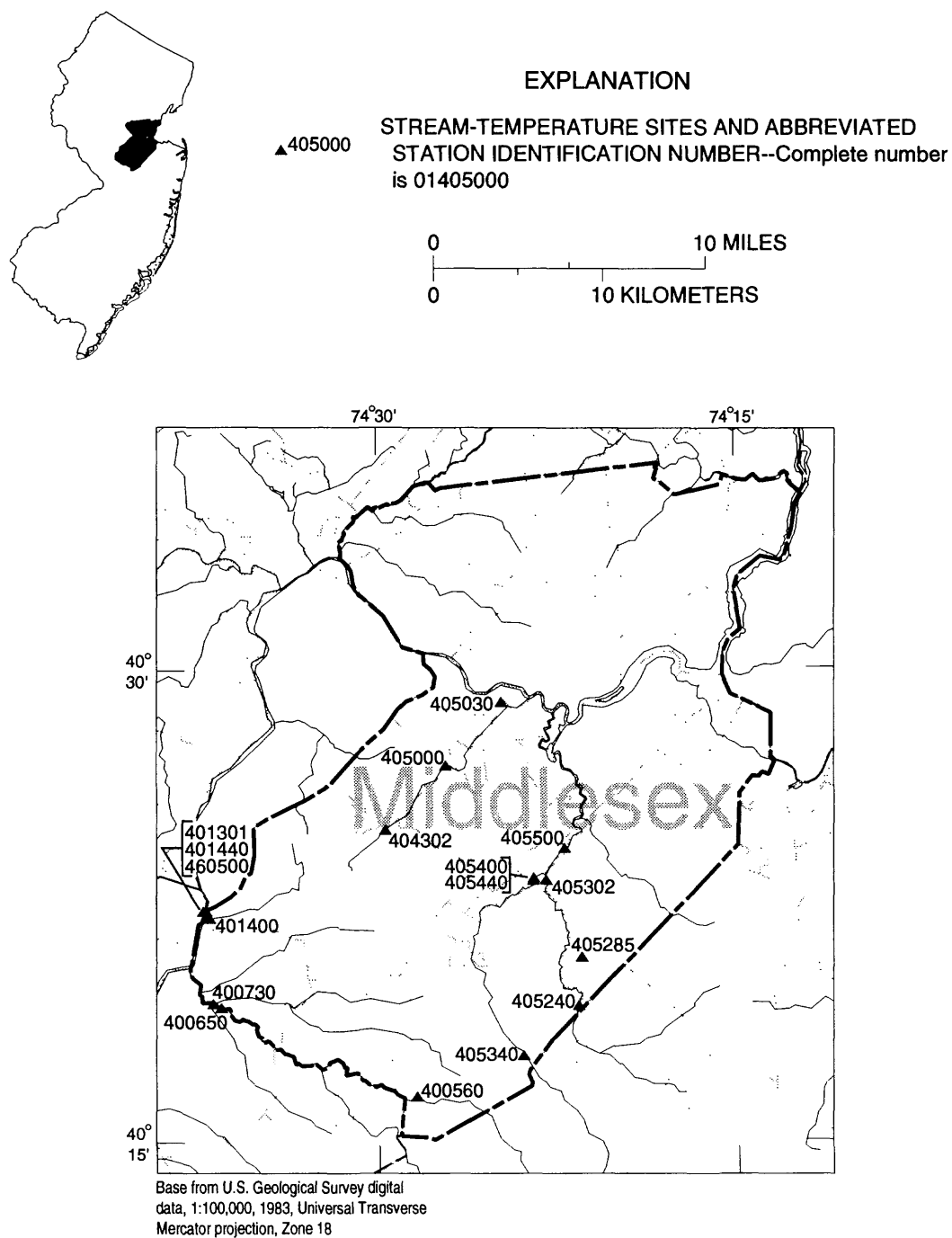


Figure 12. Location of stream-temperature sites, Mercer County, New Jersey.



**Figure 13. Location of stream-temperature sites, Middlesex County, New Jersey.**

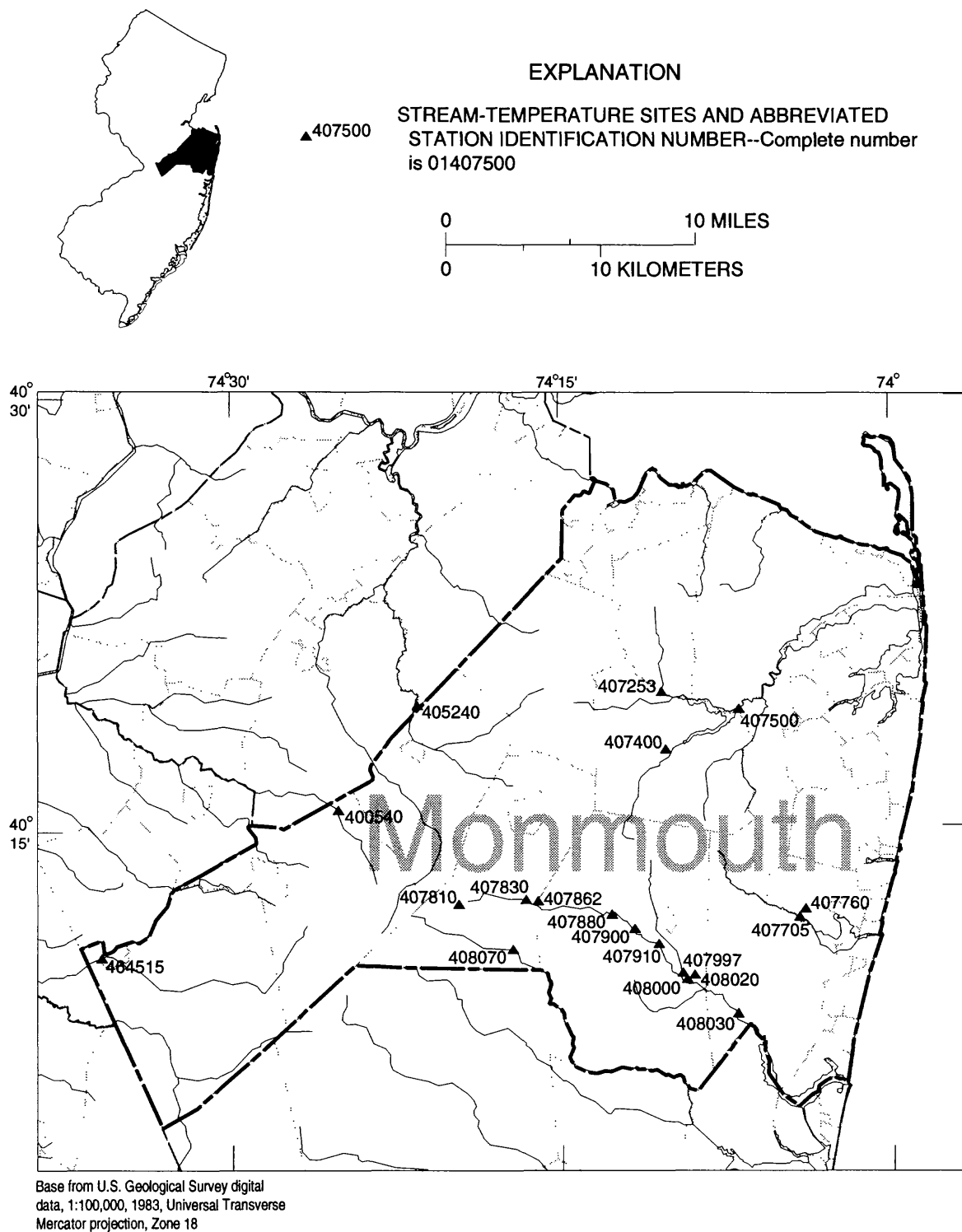


Figure 14. Location of stream-temperature sites, Monmouth County, New Jersey.



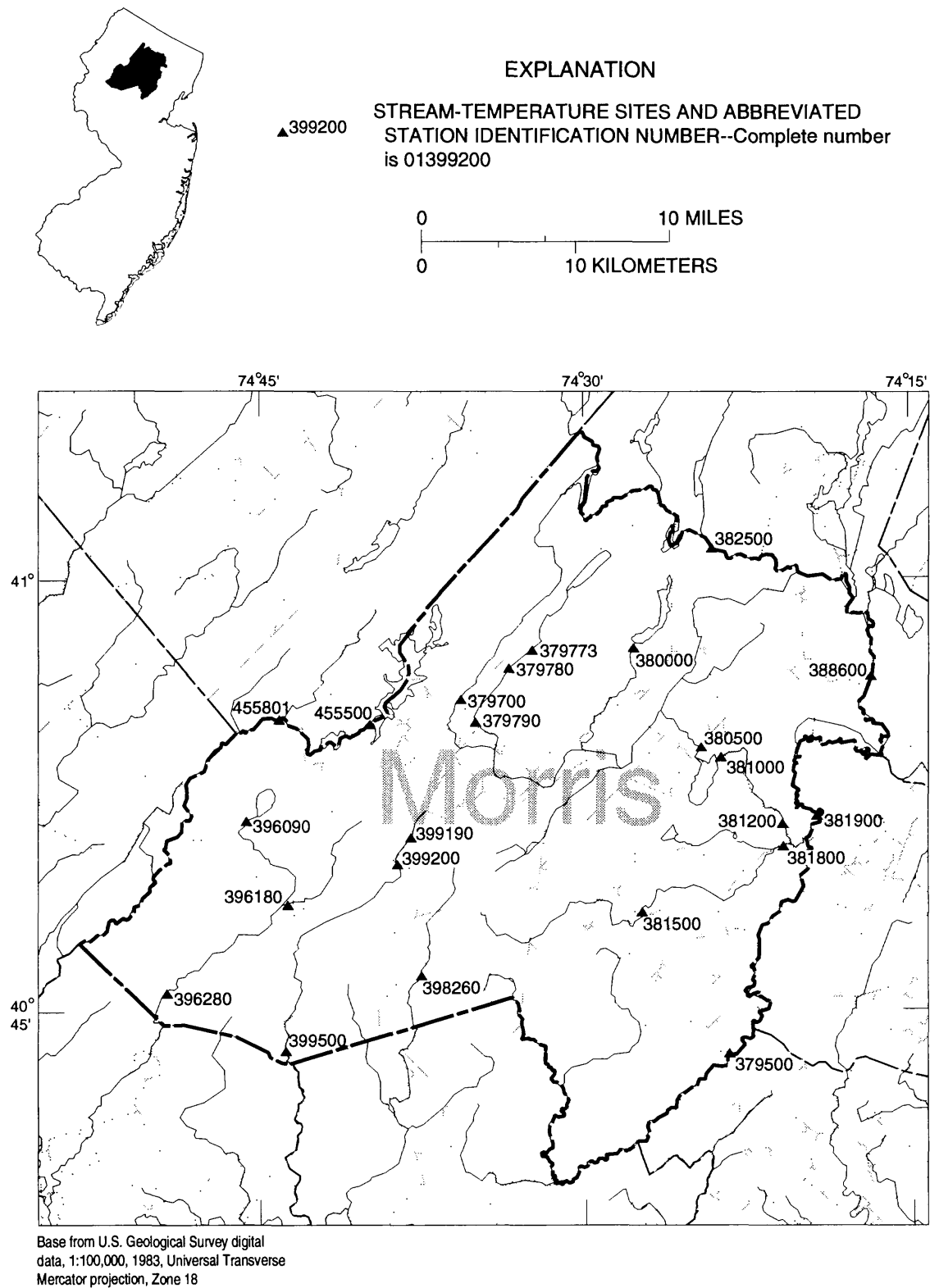
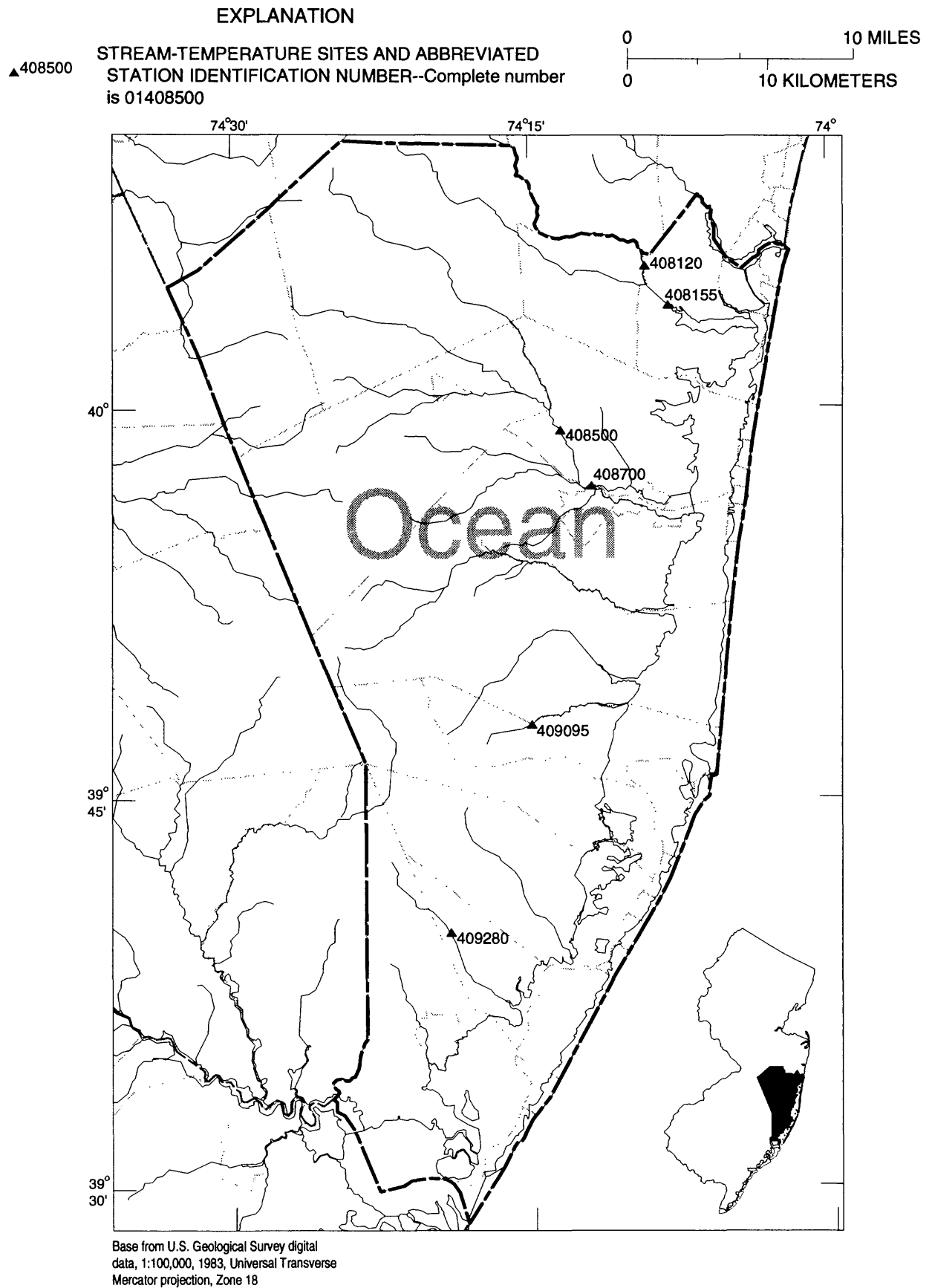


Figure 15. Location of stream-temperature sites, Morris County, New Jersey.



**Figure 16. Location of stream-temperature sites, Ocean County, New Jersey.**

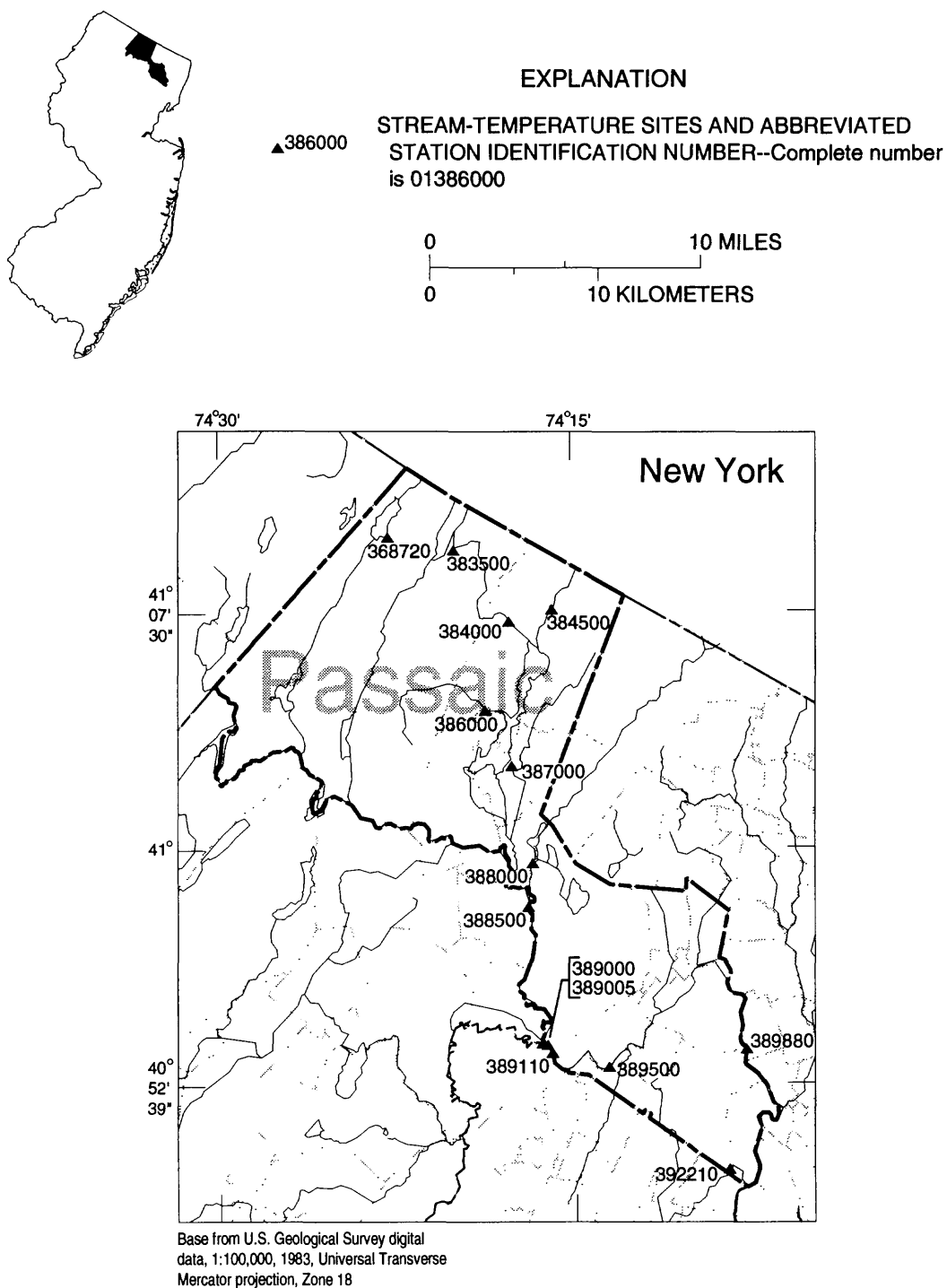
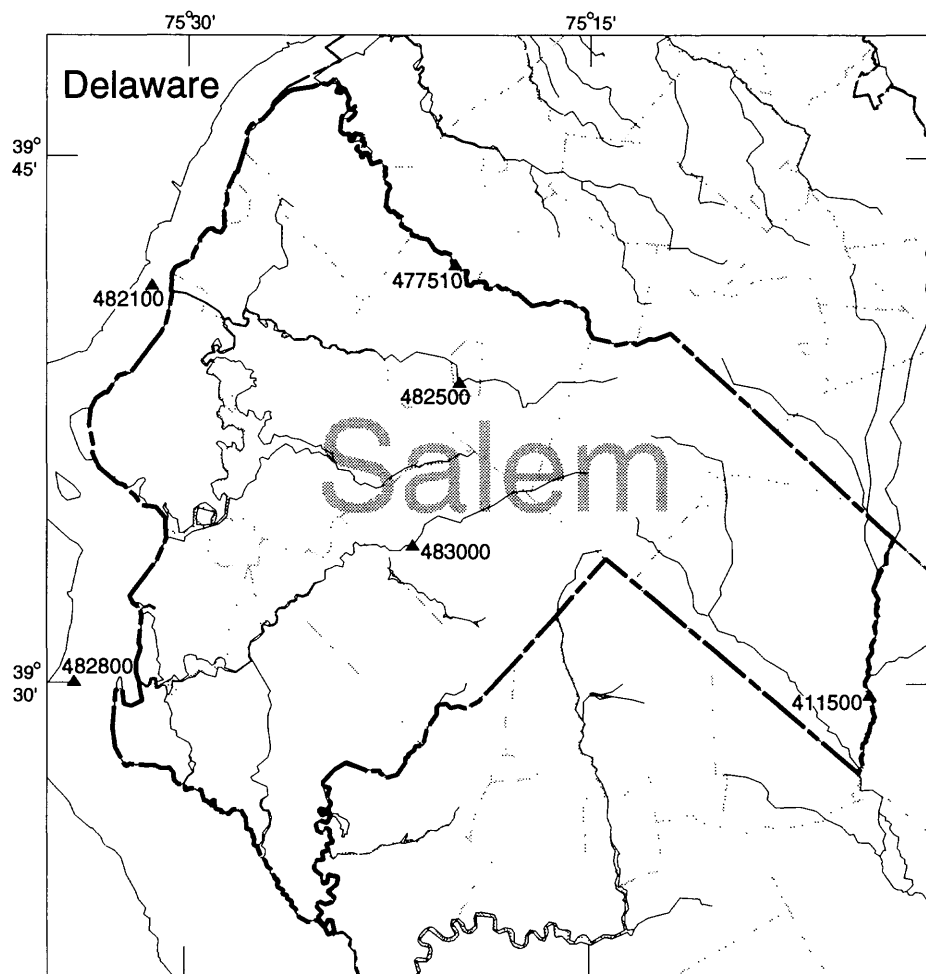
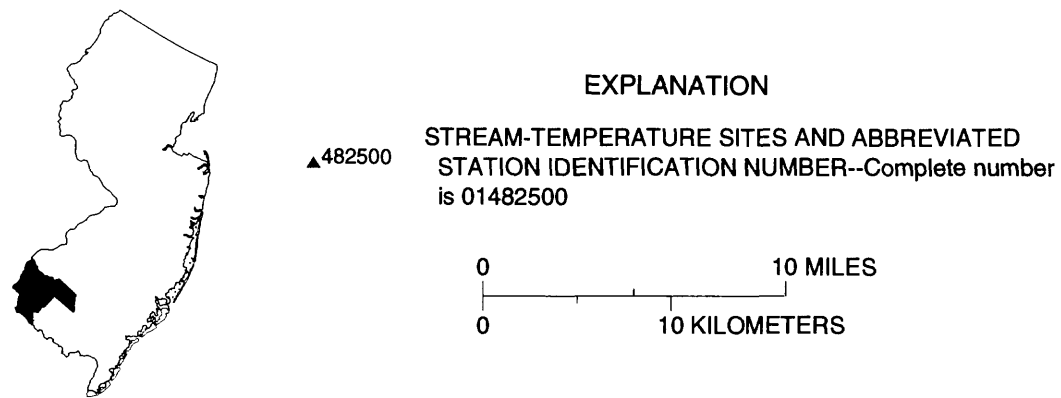
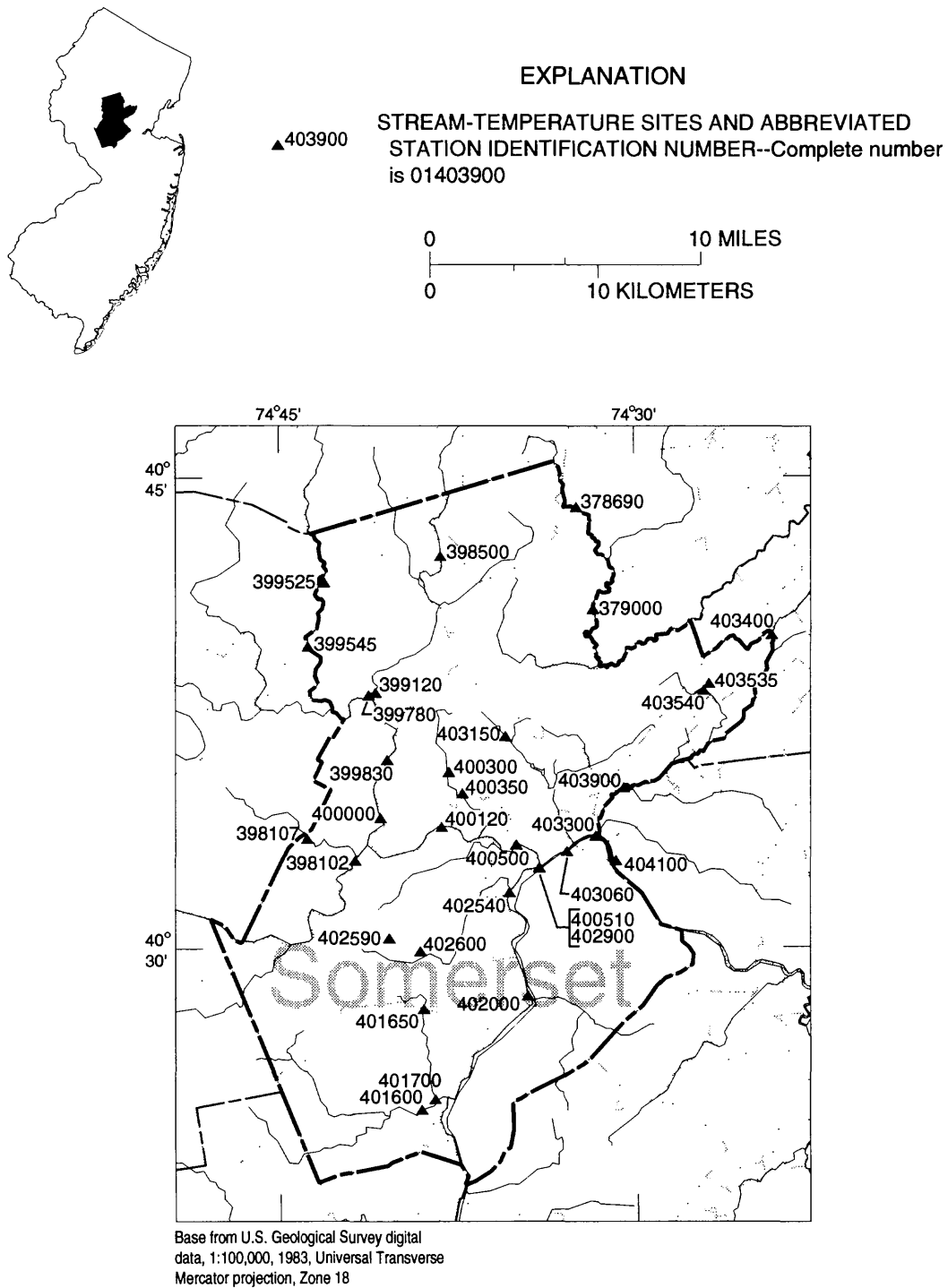


Figure 17. Location of stream-temperature sites, Passaic County, New Jersey.



Base from U.S. Geological Survey digital  
 data, 1:100,000, 1983, Universal Transverse  
 Mercator projection, Zone 18

**Figure 18. Location of stream-temperature sites, Salem County, New Jersey.**



**Figure 19. Location of stream-temperature sites, Somerset County, New Jersey.**

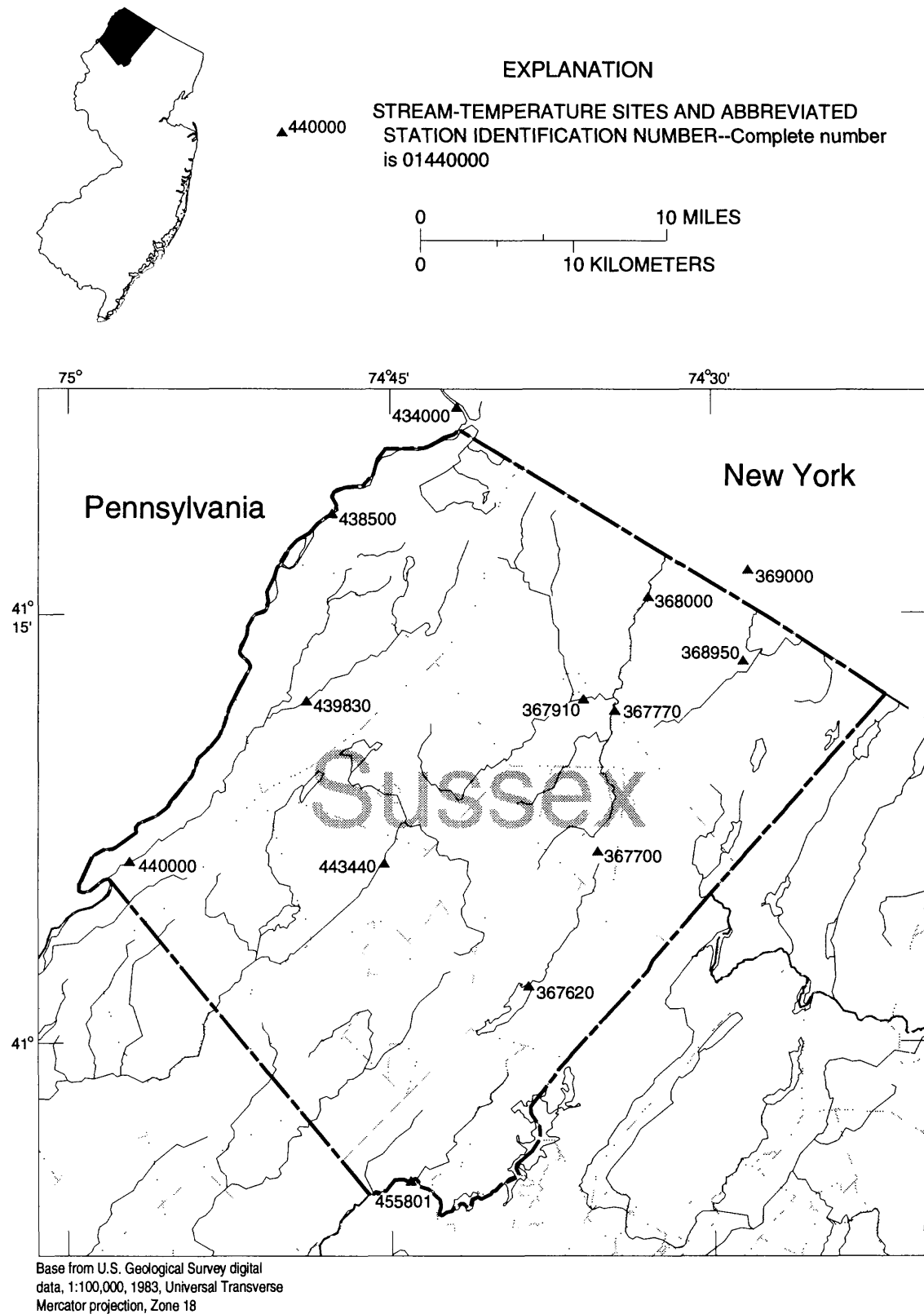
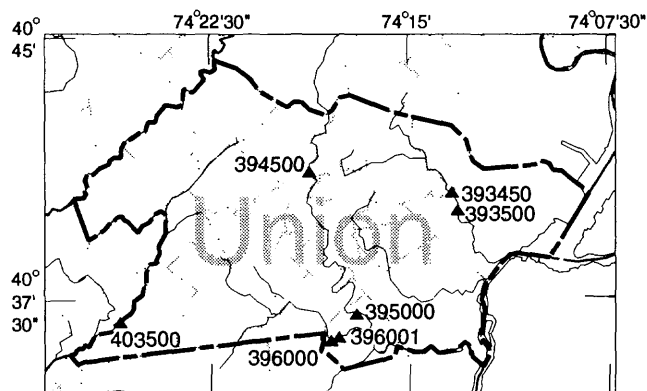
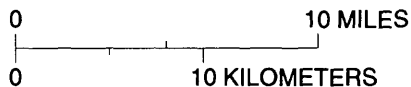


Figure 20. Location of stream-temperature sites, Sussex County, New Jersey.



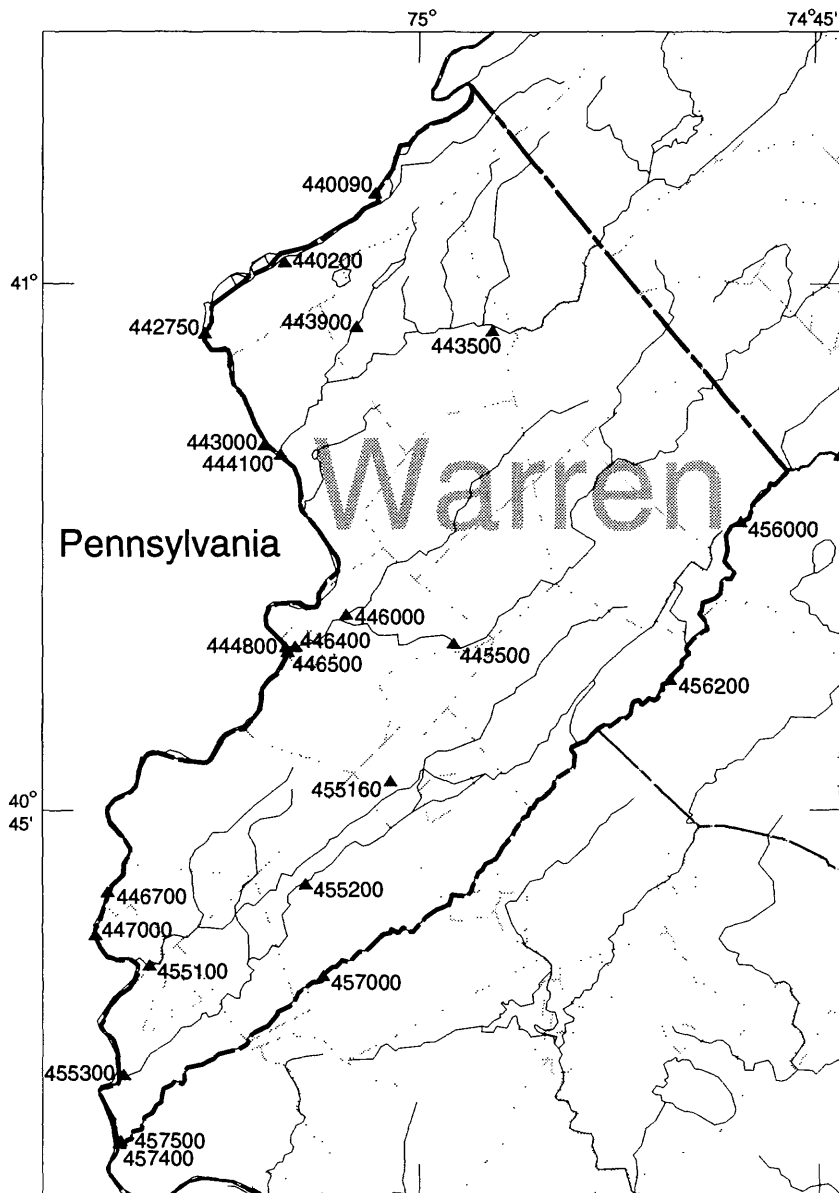
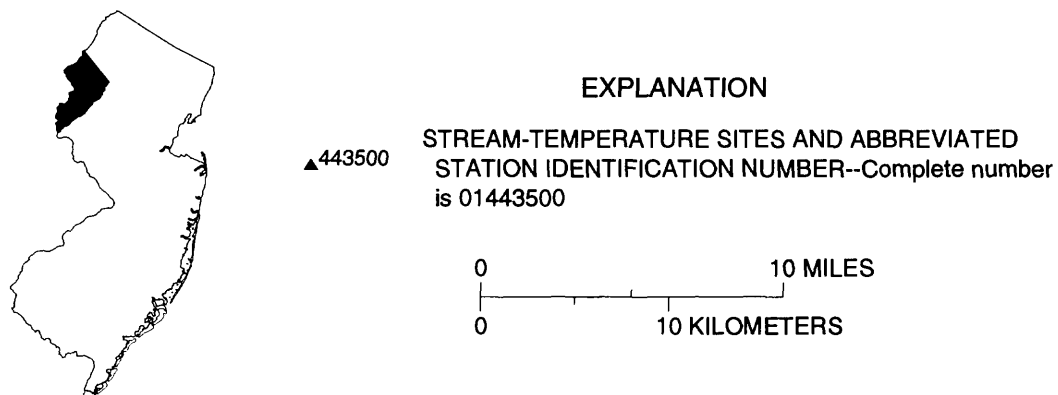
# EXPLANATION

▲ 403500  
 STREAM-TEMPERATURE SITES AND ABBREVIATED  
 STATION IDENTIFICATION NUMBER--Complete number  
 is 01403500



Base from U.S. Geological Survey digital  
 data, 1:100,000, 1983, Universal Transverse  
 Mercator projection, Zone 18

**Figure 21.** Location of stream-temperature sites, Union County, New Jersey.



Base from U.S. Geological Survey digital  
 data, 1:100,000, 1983, Universal Transverse  
 Mercator projection, Zone 18

**Figure 22. Location of stream-temperature sites, Warren County, New Jersey.**



Since September 1968, thermometers graduated in increments of 0.5 degrees from -10 to +50 degrees Celsius have been used. Prior to that time, thermometers graduated in increments of 1°F from +20°F to +110°F were used. For both types of thermometers, temperatures are reported to the nearest graduation; most thermometers are accurate to within one graduation ( $\pm 1^\circ\text{F}$  or  $\pm 0.5^\circ\text{C}$ ). Thermometers are compared periodically to laboratory-rated thermometers for accuracy and inspected for separation of the liquid column.

Temperatures also are measured with the temperature thermistor that is built into the probes of various water-quality field meters. The thermistors have an accuracy ranging from  $\pm 0.3$  to  $\pm 0.6^\circ\text{C}$ , depending on the model of the water-quality field meter. Thermistors are compared periodically to laboratory-rated thermometers and are calibrated to maintain accuracy.

Surface-water temperature is measured by holding the thermometer or probe of the water-quality field meter in flowing water below the stream surface. The thermometer or meter is read after the reading has stabilized and while the end of the thermometer bulb or probe is immersed. The sensing element of the thermometer or probe is placed at a point thermally representative of a section of the stream, usually near midstream or in substantial current. Studies have shown that a temperature taken in the main flow of a stream is usually representative of the entire water mass (Jones, 1965; Moore, 1967; Blodgett, 1970, 1971; McDonald and McCall, 1974).

To collect temperatures on a continuous basis, either flow-through or mini water-quality monitors equipped with temperature sensitive thermistors are used (Gordon and Katzenbach, 1983). The mini monitor is battery operated, and the sensors are placed directly in the stream. The flow-through monitor is designed to be used at water-quality-monitoring sites where the water is continuously pumped by a submersible pump to the sensors located in a sensor tank inside the monitor shelter. The accuracy of both monitors is  $\pm 0.5^\circ\text{C}$ .

Periodic temperatures usually are collected by several people over many years. Daily temperatures, which are collected manually, usually are collected at a specific site by the same person over the years. Therefore, errors involving instrument inaccuracy or faulty placement of sensing probes are likely to be minimized in periodic records but might persist in daily records.

### Statistical Analysis

Periodic records probably do not represent true maximum and minimum temperatures because they contain temperature measurements collected randomly (during field visits). Continuous records do provide true maximum and minimum temperatures. Daily records, which were collected manually, probably do not represent true maximum and minimum temperatures.

All temperature data were reviewed to identify possible errors due to failure to convert from degrees Fahrenheit to degrees Celsius, faulty measurement devices, and data entry errors. Data for each site were

reviewed by month or season. For each site, plots of temperatures for each month were visually inspected for potential outliers. The outliers then were evaluated by considering:

- (1) the effects of the release of water from reservoirs, industrial discharge of wastewater, or ground-water contributions to base flow;
- (2) the water temperatures at nearby sites;
- (3) the effects of an early or late change of season;
- (4) the number of temperature observations for the month or season;
- (5) the effects of air temperature, if data were available; and
- (6) the streamflow discharge.

Outliers were deleted from the data base only if they could not be justified and after verification with original documentation. Novak (1985) determined that under some conditions water temperatures can be less than 0.0°C, and negative values of water temperature, ranging from 0.0°C to -1.0°C, may be published after thorough review.

For periodic and daily temperatures, the 25th and 75th percentiles and median were calculated (table 2, at end of the report). The number of observations indicates the number of temperatures used in the calculations.

The 25th and 75th percentile values listed for each month signify that for that month 25 percent and 75 percent, respectively, of the temperatures are at or below the value. The median value is the 50th percentile. The median rather than the mean is reported because the mean is sensitive to extreme values, especially when the number of observations is small. Statistics calculated on fewer than five observations should be used with caution.

Percentiles were not calculated for continuous temperatures. Only the monthly maximum, minimum, and median are presented (table 2, at end of the report). For continuous temperature records, daily mean temperatures are stored in the computer files; therefore, the median of the daily means were determined for each month. The number of observations is not reported for continuous records.

The statistics provided for each stream may not represent the stream temperature throughout the entire reach of the stream as a result of manmade or natural factors that occur upstream or downstream from the location of temperature recordings.

#### SURFACE-WATER-TEMPERATURE STATISTICS

Statistical analyses of water-temperature data from 277 sites were performed. The number of years of water-temperature data differs for each site. The earliest data were recorded in 1943. To facilitate the referencing of individual sites, a numerical index of station numbers is presented in appendix 1. An alphabetical index of station numbers is presented in appendix 2.

## Data Presentation

Statistical summaries and site descriptions for 277 selected sites located in New Jersey, Pennsylvania, New York, and Delaware are listed in table 2 (at end of the report). For periodic and daily records, the maximum and minimum temperatures, the median, the 25th and 75th percentiles, and the number of temperature observations are presented for each month. For continuous records, only the measured maximum and minimum temperatures and the median of the stored daily mean temperatures are presented for each month. For each site, one, two, or all three types of data--periodic, continuous, or daily--are presented.

Temperature-measurement sites are listed in table 2 (at end of the report) in downstream order and grouped by major drainage basins. Descriptions of sites include the USGS station-identification number, site name, location, drainage area, types of temperature records available, and dates of data collection. Most descriptions include a remarks section.

Each site is referenced by a unique eight-digit site-identification number, which is assigned according to downstream order. The first two digits (01) refer to North Atlantic slope basins. The remaining six digits denote the downstream order of the site within the major drainage basin. The site name includes the names of the stream and a nearby town or city. The location includes the latitude and longitude of the site, the county in which it is located, the hydrologic unit code, and the direction and distance to one or more nearby landmarks. The total surface-drainage area upstream from the data-collection site is included. A remarks section provides information on methods of data collection and manmade or natural factors that could influence temperature.

### Variations in Surface-Water Temperature

In general, maximum values are measured from June through August and minimum values from December through February. Temperatures of streams with major ground-water contributions vary only a few degrees with seasonal changes, whereas streams with major rainfall run-off contributions have greater seasonal variations (Stevens, Ficke, and Smoot, 1975). In addition, the release of water from a reservoir can affect the temperature downstream (Williams, 1971).

Periodic and daily temperatures could be biased because they are typically measured during daylight hours when water temperatures are higher (due to solar radiation) than at night. Continuous records include diurnal fluctuations and are better suited for reporting monthly temperature extremes and averages than periodic and daily temperature extremes (Flippo, 1975).

### SUMMARY

Periodic, continuous, and daily records of temperature data were used to tabulate monthly statistical summaries for 259 surface-water sites in New Jersey and 18 sites in adjoining states. A site may have one, two, or all three types of records. Monthly statistical summaries for each site include the minimum and maximum temperatures for each month. For periodic and daily

temperature records, the median, 25th and 75th percentiles, and number of observations (number of temperatures) were determined for each month. For continuous temperature records, the median of the daily means were determined for each month.

Temperatures can vary as a result of seasonal changes, solar radiation, or the release of water from a reservoir. Therefore, observed maximums and minimums could be lower and higher, respectively, than true maximums and minimums.

Statistics for each stream may not represent the stream temperature throughout the entire reach of the stream because of natural or manmade factors.

## SELECTED REFERENCES

- Beschta, R.L., and Taylor, R.L., 1988, Stream temperature increases and land use in a forested Oregon watershed: Water Resources Bulletin, v. 25, p. 19-25.
- Blodgett, J.D., 1970, Water temperatures of California streams, north coastal subregion: U.S. Geological Survey Open-File Report, 92 p.
- \_\_\_\_\_, 1971, Water temperatures of California streams, south Lahontan subregion: U.S. Geological Survey Open-File Report, 23 p.
- Cory, R.L., and Nauman, J.W., 1968, Temperature and water-quality conditions of the Patuxent River estuary, Maryland, January 1966 through December 1967: U.S. Geological Survey Open-File Report, 70 p.
- Flippo, H.N., Jr., 1975, Temperatures of streams and selected reservoirs in Pennsylvania, Pennsylvania Water Resources Bulletin No. 11, Harrisburg, Pa., Pennsylvania Department of Environmental Resources, 95 p.
- Gordon, A.B., and Katzenbach, Max, 1983, Guidelines for the use of water quality monitors: U.S. Geological Survey Open-File Report 83-681, 94 p.
- Jones, E.J., 1965, Temperature of California streams, part 1 of Evaluation of thermograph records: U.S. Geological Survey Open-File Report, 31 p.
- Keighton, W.B., 1965, Delaware River water quality, Bristol to Marcus Hook, Pennsylvania, August 1949 to December 1963: U.S. Geological Survey Water-Supply Paper 1809-0, 57 p.
- McDonald, M.G., and McCall, J.E., 1974, Temperature of natural waters in New Jersey: U.S. Geological Survey Open-File Report, 122 p.
- Moore, A.M., 1964, Correlation and analysis of water-temperature data for Oregon streams: U.S. Geological Survey Professional Paper 501-OD, p. D185-D189.
- \_\_\_\_\_, 1967, Correlation and analysis of water-temperature data for Oregon streams: U.S. Geological Survey Water-Supply Paper 1819-K, 53 p.
- Novak, C.E., 1985, WRD Data Reports Preparation Guide: U.S. Geological Survey Water Resources Division, 199 p.
- Pluhowski, E.J., 1970, Urbanization and its effects on the temperature of the streams on Long Island, New York: U.S. Geological Survey Professional Paper 627-D, p. D1-110.
- Pluhowski, E.J., 1972, Clear-cutting and its effects on the water temperature of a small stream in northern Virginia: U.S. Geological Survey Professional Paper 800-C, p. C257-262.

#### SELECTED REFERENCES--Continued

- Shampine, W.J., 1975, A river-quality assessment of the upper White River, Indiana: U.S. Geological Survey Water-Resources Investigations 1C-75, 68 p.
- Stevens, Jr., H.H., Ficke, J.F., and Smoot, G.F., 1975, Water temperature-influential factors, field measurement, and data presentation: Techniques of Water-Resources Investigations of the U.S. Geological Survey, book 1, chap. D1, 65 p.
- U.S. Geological Survey, 1964-92, Water resources data--New Jersey, water year 1992, v. 1: U.S. Geological Survey Water-Data Reports NJ-64 to NJ-92-1 (published annually).
- Williams, O.O., 1971, Analysis of stream-temperature variations in the upper Delaware River basin, New York: U.S. Geological Survey Water-Supply Paper 1999-K, 45 p.

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity

[All values are in degrees Celsius; mi, miles; mi<sup>2</sup>, square miles; ft, feet; ft<sup>3</sup>/s, cubic feet per second; gal, gallons; --, no observations available for statistical analysis; ---, daily mean values not available; no. of obs., number of observations; USGS, U.S. Geological Survey; EPA, U.S. Environmental Protection Agency. Years mentioned are calendar year. Statistics calculated on fewer than five observations should be used with caution.]

## HUDSON RIVER BASIN

## 01367620 WALLKILL RIVER AT OUTFLOW OF LAKE MOHAWK AT SPARTA, NJ

LOCATION.--Latitude 41°01'59", longitude 74°37'36", Sussex County, Hydrologic Unit 02020007, at bridge 200 ft downstream from outflow of Lake Mohawk, and 1.2 mi southwest of Sparta Station.

DRAINAGE AREA.--4.38 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82, 1986

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	9.0	10.5	20.0	22.5	28.5	28.0	23.5	17.0	7.0	--	--
Median	3.5	4.0	10.0	18.5	21.5	24.0	24.0	22.5	16.0	6.0	--	--
Minimum	2.0	4.0	9.0	14.5	20.0	21.0	22.5	18.0	15.0	5.0	--	--
25th percentile	2.0	4.0	9.0	16.0	20.0	22.5	23.0	20.0	15.0	5.0	--	--
75th percentile	5.5	9.0	10.5	19.5	22.5	26.5	27.0	23.5	17.0	7.0	--	--
No. of obs.	4	3	3	6	2	5	5	5	2	2	0	0

## HUDSON RIVER BASIN

## 01367700 WALLKILL RIVER AT FRANKLIN, NJ

LOCATION.--Latitude 41°06'43", longitude 74°35'21", Sussex County, Hydrologic Unit 02030103, at bridge 120 ft downstream from dam at outlet of Franklin Pond in Franklin, and 0.8 mi upstream from Wildcat Brook.

DRAINAGE AREA.--29.4 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	2.5	9.0	17.5	17.0	24.0	26.0	28.5	26.0	17.0	11.0	--
Median	1.5	1.5	4.5	9.5	15.0	19.5	22.0	21.0	19.0	14.0	5.0	--
Minimum	.0	.0	1.0	6.0	13.0	15.0	19.5	17.5	17.0	8.0	2.5	--
25th percentile	.5	1.0	1.5	7.5	14.0	16.0	21.5	19.5	17.5	10.0	3.0	--
75th percentile	3.0	2.0	6.0	10.5	16.0	22.0	23.0	23.5	20.0	15.0	8.5	--
No. of obs.	5	9	10	10	11	9	15	15	8	8	6	0

## HUDSON RIVER BASIN

## 01367770 WALLKILL RIVER NEAR SUSSEX, NJ

LOCATION.--Latitude 41°11'38", longitude 74°34'32", Sussex County, Hydrologic Unit 02020007, at bridge on Glenwood Road, 0.8 mi upstream of Papakating Creek, 1.7 mi southwest of Independence Corner, 2.0 mi southeast of Sussex, and 2.1 mi northwest of McAfee.

DRAINAGE AREA.--60.8 mi<sup>2</sup>

RECORD.--Periodic record, 1959-64, 1976-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	4.0	10.5	15.5	18.0	22.5	24.0	28.0	23.0	14.5	11.0	3.0
Median	1.5	1.0	5.0	10.5	14.0	18.5	20.0	20.0	16.0	9.5	4.5	1.5
Minimum	.0	.0	.5	4.0	11.0	15.5	17.0	16.5	13.5	7.0	3.0	1.0
25th percentile	1.0	.0	2.0	6.5	13.5	16.0	19.5	19.5	15.0	8.0	3.5	1.0
75th percentile	2.5	2.5	6.0	13.5	16.0	20.5	22.0	21.0	17.0	11.0	10.5	2.5
No. of obs.	6	9	13	10	12	9	20	15	7	10	5	4

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## HUDSON RIVER BASIN

## 01367910 PAPA KATING CREEK AT SUSSEX, NJ

LOCATION.--Latitude 41°12'02", longitude 74°35'59", Sussex County, Hydrologic Unit 02020007, at bridge on State Route 23 in Sussex, 0.7 mi downstream from Clove Brook, 2.6 mi southwest of Independence Corner, and 3.4 mi northwest of McAfee.

DRAINAGE AREA.--59.4 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.0	5.0	6.0	16.5	17.0	23.5	25.0	24.0	23.5	12.0	12.5	1.5
Median	.5	1.0	3.0	10.0	15.0	18.5	22.0	21.0	16.5	9.5	6.5	1.5
Minimum	.0	.0	.5	5.0	11.0	15.0	20.0	15.0	12.5	7.5	3.0	1.0
25th percentile	.0	.5	1.5	7.0	14.0	16.5	21.0	19.5	15.0	8.0	4.0	1.0
75th percentile	1.0	3.5	5.5	15.0	16.0	21.5	23.5	22.0	19.5	11.0	8.5	1.5
No. of obs.	5	7	11	12	11	10	19	16	6	9	6	2

## HUDSON RIVER BASIN

## 01368000 WALLKILL RIVER NEAR UNIONVILLE, NY

LOCATION.--Latitude 41°15'36", longitude 74°32'56", Sussex County, Hydrologic Unit 02020007, on right bank on downstream side of bridge on the Bassetts Bridge Road, 0.6 mi upstream from small tributary, 2.0 mi south of the New York-New Jersey State line, and 3.0 mi south of Unionville.

DRAINAGE AREA.--140 mi<sup>2</sup>

RECORD.--Periodic record, 1958-81, 1991-93

REMARKS.--Water diverted from Morris Lake, upstream from station, by the Newton Water and Sewer Authority for municipal use in New Jersey. After use, the water is released into Paulins Kill (Delaware River Basin).

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	1.5	7.0	16.0	24.5	25.0	29.5	26.0	25.0	17.0	13.5	4.0
Median	.5	.5	3.0	7.5	16.5	19.0	24.0	22.0	19.0	13.5	7.5	1.0
Minimum	.0	.0	.0	2.0	11.0	17.0	20.0	16.0	12.0	5.0	.0	.0
25th percentile	.0	.0	1.5	6.0	14.0	18.0	22.5	20.5	15.5	10.0	4.5	.5
75th percentile	1.0	1.0	5.0	10.5	20.0	23.5	25.5	24.5	20.5	14.5	9.5	3.0
No. of obs.	15	16	17	22	17	15	21	20	23	17	17	15

## HUDSON RIVER BASIN

## 01368720 AUXILIARY OUT OF UPPER GREENWOOD LAKE AT MOE, NJ

LOCATION.--Latitude 41°09'57", longitude 74°22'47", Passaic County, Hydrologic Unit 02020007.

RECORD.--Periodic record, 1968-80

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	7.0	10.0	11.0	21.0	21.0	17.0	26.0	23.0	17.0	9.0	2.5
Median	1.0	1.0	3.0	7.5	17.0	17.0	15.0	26.0	19.5	16.0	5.5	1.5
Minimum	.0	.0	2.0	2.0	13.0	15.5	13.0	26.0	16.0	14.0	3.0	1.0
25th percentile	.5	.0	2.0	2.0	15.0	15.5	13.0	26.0	16.0	14.0	4.0	1.0
75th percentile	3.0	7.0	7.5	11.0	19.5	20.5	17.0	26.0	23.0	17.0	8.5	2.5
No. of obs.	5	3	5	3	5	4	2	1	2	3	5	3



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## HUDSON RIVER BASIN

01368950 BLACK CREEK NEAR VERNON, NJ

LOCATION.--Latitude 41°13'21", longitude 74°28'33", Sussex County, Hydrologic Unit 02020007, at bridge on Maple Grange Road, 0.6 mi upstream of confluence with Wawayanda Creek, 0.7 mi northwest of Maple Grange, and 1.7 mi northeast of Vernon.

DRAINAGE AREA.--17.3 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	4.5	6.0	17.0	17.0	22.0	26.0	27.0	27.0	14.5	13.5	2.0
Median	3.0	1.0	3.0	10.0	15.5	17.5	21.0	20.5	17.0	10.0	4.5	1.5
Minimum	.5	.5	.5	6.5	11.0	15.5	17.0	17.0	14.0	5.5	2.0	1.0
25th percentile	1.0	.5	2.0	8.0	13.0	16.5	20.0	19.0	15.5	7.5	3.0	1.0
75th percentile	5.0	3.0	5.0	13.0	16.0	22.0	23.0	21.5	21.0	13.0	8.5	2.0
No. of obs.	4	10	9	13	11	9	19	17	9	9	9	2

## HUDSON RIVER BASIN

01369000 POCHUCK CREEK NEAR PINE ISLAND, NY

LOCATION.--Latitude 41°16'32", longitude 74°28'18", Orange County, Hydrologic Unit 02020007, on right bank 75 ft downstream from bridge on Newport Bridge Road at Newport, 1.5 mi south of Pine Island, 3.2 mi west of Edenville, and 4.1 mi upstream from mouth.

DRAINAGE AREA.--98 mi<sup>2</sup>

RECORD.--Periodic record, 1958-78

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	1.0	9.0	17.0	21.0	26.0	29.5	26.0	26.5	19.0	14.0	4.5
Median	.5	.5	4.0	8.5	17.0	20.0	23.0	22.5	18.5	14.0	7.0	1.0
Minimum	.0	.0	.0	4.0	13.0	15.5	20.0	18.5	11.0	4.0	3.0	.0
25th percentile	.0	.5	1.0	6.0	13.0	18.5	21.5	20.0	16.5	12.0	5.5	.5
75th percentile	1.0	1.0	5.5	11.0	19.0	23.5	25.0	24.0	20.5	16.0	9.5	2.5
No. of obs.	23	10	18	17	15	21	19	16	20	14	15	18

## HUDSON RIVER BASIN

01376270 SPARKILL CREEK AT TAPPAN, NY

LOCATION.--Latitude 41°01'26", longitude 72°56'52", Rockland County, Hydrologic Unit 02030103, on left bank 100 ft downstream from Kings Highway bridge, Tappan, 0.5 mi upstream from New York-New Jersey State line, and 1 mi upstream from Sparkill Brook.

DRAINAGE AREA.--4.94 mi<sup>2</sup>

RECORD.--Periodic record, 1959-66; continuous record, 1961-63

REMARKS.--Diurnal fluctuations of flow from manufacturing plant sewer outfall above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.5	10.5	11.5	18.0	24.5	24.5	27.0	22.0	17.0	13.0	4.0
Median	2.5	1.0	6.5	7.0	15.0	21.0	21.0	21.0	19.5	12.0	8.5	2.5
Minimum	.0	.5	1.0	5.5	13.5	16.5	19.0	16.5	17.0	8.0	5.5	.5
25th percentile	.5	1.0	1.5	6.5	14.0	17.5	20.0	20.5	17.0	11.0	6.0	1.0
75th percentile	3.5	5.0	10.0	9.5	17.5	24.0	23.5	23.5	20.0	16.0	10.0	4.0
No. of obs.	4	5	7	7	5	5	7	8	7	7	7	6

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	7.0	15.5	23.0	24.0	25.5	26.5	24.5	23.5	20.0	17.0	10.0
Median	...	...	...	...	...	...	...	...	...	...	...	...
Minimum	.5	.5	.0	4.5	9.5	15.0	16.0	15.5	10.0	8.0	4.0	.0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## HUDSON RIVER BASIN

01376280 SPARKILL CREEK AT SPARKILL, NY

LOCATION.--Latitude 41°01'44", longitude 73°55'34", Rockland County, Hydrologic Unit 02030101, on right downstream wingwall of New Street Bridge, at Sparkill, 1.25 mi upstream from mouth, and 1.25 mi downstream from Sparkill Brook.

DRAINAGE AREA.--11.1 mi<sup>2</sup>

RECORD.--Periodic record, 1975-80

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	12.0	13.5	24.0	29.0	24.0	17.0	12.0	--	--	--	--
Median	5.0	12.0	13.5	21.0	25.0	22.0	16.0	10.0	--	--	--	--
Minimum	5.0	12.0	13.5	17.5	19.5	20.0	14.5	8.0	--	--	--	--
25th percentile	5.0	12.0	13.5	17.5	19.5	20.5	15.0	8.0	--	--	--	--
75th percentile	5.0	12.0	13.5	24.0	29.0	23.5	16.5	12.0	--	--	--	--
No. of obs.	1	1	1	2	3	4	5	2	0	0	0	0

## HACKENSACK RIVER BASIN

01377000 HACKENSACK RIVER AT RIVERVALE, NJ

LOCATION.--Latitude 40°59'55", longitude 73°59'27", Bergen County, Hydrologic Unit 02030103, on upstream right bank at bridge on Westwood Avenue in Riverdale, 1.5 mi upstream from Pascack Brook, 4.6 mi upstream from Oradell Dam, and 27.2 mi upstream from mouth.

DRAINAGE AREA.--58.0 mi<sup>2</sup>

RECORD.--Periodic record, 1960-93

REMARKS.--Flow regulated by De Forest Lake since February 1956, and Lake Tappan since 1965. Diversions from De Forest Lake and West Nyack, N.Y., for municipal water supply. Water occasionally diverted from Oradell Reservoir to Lake Tappan.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	4.0	10.0	18.0	20.5	27.0	27.0	26.0	24.0	18.0	13.0	8.5
Median	1.5	2.0	5.0	10.0	15.5	20.0	24.0	23.0	18.5	12.5	8.0	3.0
Minimum	.0	.0	.5	4.0	4.5	16.0	20.0	19.5	15.0	8.0	.0	.0
25th percentile	.5	1.0	3.5	8.0	15.0	19.0	22.5	22.0	17.0	10.5	6.0	2.0
75th percentile	3.5	2.5	6.0	12.0	18.0	22.0	25.0	24.0	21.5	14.0	10.5	5.0
No. of obs.	28	23	30	31	22	38	37	36	31	36	25	14

## HACKENSACK RIVER BASIN

01377300 PASSAIC BROOK AT PEARL RIVER, NY

LOCATION.--Latitude 41°03'35", longitude 74°02'11", Rockland County, Hydrologic Unit 02030103, on left bank 150 ft upstream from Washington Avenue Bridge, at Pearl River, and 0.3 mi upstream from New York-New Jersey State line.

DRAINAGE AREA.--10.2 mi<sup>2</sup>

RECORD.--Continuous record, 1961-63

REMARKS.--Discharge includes about 2.5 ft<sup>3</sup>/s of effluent from Spring Valley sewage disposal plant which enters stream above station and which causes slight diurnal fluctuation of flow.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	3.0	10.5	13.0	20.0	23.5	25.5	26.5	19.5	15.5	14.5	5.5
Median	---	---	---	---	---	---	---	---	---	---	---	---
Minimum	.0	.5	.5	5.0	11.0	15.0	15.0	18.5	11.5	10.0	4.0	.0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## HACKENSACK RIVER BASIN

## 01377500 PASCACK BROOK AT WESTWOOD, NJ

LOCATION.--Latitude 40°59'33", longitude 74°01'19", Bergen County, Hydrologic Unit 02030103, on right bank 75 ft upstream from Harrington Avenue in Westwood, 500 ft downstream from Musquapsink Brook, and 2.3 mi upstream from mouth.

DRAINAGE AREA.--29.6 mi<sup>2</sup>

RECORD.--Periodic record, 1959, 1961-93

REMARKS.--Flow regulated by Woodcliff Lake 3.0 mi above station. Water diverted for municipal supply by Spring Valley Water Company, by pumpage from well fields in headwater area of Pascack Brook in vicinity of Spring Valley, N.Y., and by pumpage from wells above Woodcliff Lake by Park Ridge Water Department. This water diversion probably reduces the flow past this station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	6.0	10.0	18.0	20.5	26.5	26.5	24.0	23.5	17.0	13.0	10.0
Median	3.0	3.0	6.0	14.0	16.0	20.0	23.0	21.5	19.5	13.0	8.5	5.0
Minimum	.5	1.5	1.0	7.0	6.0	12.0	20.0	15.0	15.0	9.5	3.0	1.0
25th percentile	1.5	2.5	5.0	10.0	13.5	19.0	21.0	20.5	16.5	11.5	6.0	3.0
75th percentile	5.0	3.5	7.5	14.5	18.0	22.0	24.5	22.0	21.0	14.0	11.5	7.5
No. of obs.	17	15	15	12	16	19	12	16	16	18	20	12

## HACKENSACK RIVER BASIN

## 01378500 HACKENSACK RIVER AT NEW MILFORD, NJ

LOCATION.--Latitude 40°56'52", longitude 74°01'34", Bergen County, Hydrologic Unit 02030103, on right bank upstream from two masonry dams and two lift gates at pumping plant of Hackensack Water Company, New Milford, 4.0 mi downstream from Pascack Brook, and 21.8 mi upstream from mouth.

DRAINAGE AREA.--113 mi<sup>2</sup>

RECORD.--Periodic record, 1959-64, 1966-80, 1982-83, 1985-93

REMARKS.--Flow regulated by DeForest Lake, Lake Tappan, Woodcliff Lake 9.0 mi upstream from station, and Oradell Reservoir 0.6 mi upstream from station. Water pumped into basin above gage from Sparkill Creek (Hudson River basin), Saddle River and Ramapo River (Passaic River basin) by Hackensack Water Company for municipal supply.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	7.0	7.0	16.0	20.0	23.0	26.5	27.5	24.0	18.5	13.0	6.0
Median	2.0	3.0	4.5	11.0	16.0	21.0	24.5	25.0	21.0	15.0	8.5	4.0
Minimum	.0	1.0	1.0	5.5	12.5	17.0	23.0	22.0	19.0	10.5	5.0	2.0
25th percentile	1.5	1.0	4.0	10.0	15.5	20.0	24.0	23.5	19.0	12.5	6.5	2.5
75th percentile	3.0	3.5	5.5	13.5	19.0	22.0	25.0	25.0	22.0	16.0	11.5	5.0
No. of obs.	17	11	18	21	11	23	18	14	19	13	19	11

## HACKENSACK RIVER BASIN

## 01378570 HACKENSACK RIVER AT HACKENSACK, NJ

LOCATION.--Latitude 40°52'45", longitude 74°02'25", Bergen County, Hydrologic Unit 02030103, at Court Street bridge in Hackensack.

DRAINAGE AREA.--128 mi<sup>2</sup>

RECORD.--Periodic record, 1970-74

REMARKS.--Possible tidal influence on water temperature. Operated as part of the USGS-EPA (Environmental Protection Agency) Surveillance Network.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	4.5	8.5	18.0	24.0	26.0	29.5	28.0	24.0	24.0	12.0	7.0
Median	1.5	4.0	7.0	14.5	20.0	24.5	29.0	26.5	21.0	15.5	8.0	7.0
Minimum	.0	2.0	5.5	11.5	18.5	22.5	28.0	17.5	18.0	12.0	5.5	6.5
25th percentile	.0	2.0	5.5	12.0	18.5	23.0	28.0	19.5	18.5	12.5	5.5	6.5
75th percentile	2.5	4.5	8.5	17.5	23.5	26.0	29.5	28.0	23.5	22.0	11.5	7.0
No. of obs.	2	3	2	4	4	4	4	4	4	4	4	2

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## HACKENSACK RIVER BASIN

01378640 HACKENSACK RIVER AT JERSEY CITY, NJ

LOCATION.--Latitude 40°44'41", longitude 74°04'30", Hudson County, Hydrologic Unit 02030103, at intake of Marion Plant, Public Service Electric and Gas Company of New Jersey in Jersey City.

DRAINAGE AREA.--190 mi<sup>2</sup>, approximately

RECORD.--Periodic record, 1968-69

REMARKS.--Possible tidal influence on water temperature. Water-quality data was collected as part of the Desalination Project study and is not representative of the entire cross section of the stream.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	17.0	19.0	13.0	25.0	25.0	27.0	37.0	34.0	36.0	25.0	25.0	20.0
Median	15.5	13.0	9.5	16.0	20.0	26.0	27.0	30.0	31.0	23.0	16.5	11.0
Minimum	9.0	6.0	6.0	10.0	17.0	24.0	25.0	27.0	23.0	21.0	9.0	8.0
25th percentile	13.0	7.5	8.0	12.5	19.0	24.5	26.0	29.0	24.0	22.0	13.5	9.0
75th percentile	17.0	16.0	11.0	18.0	22.0	27.0	30.5	33.0	35.5	25.0	20.0	18.0
No. of obs.	10	13	14	12	11	12	13	9	8	7	10	19

## PASSAIC RIVER BASIN

01378690 PASSAIC RIVER NEAR BERNARDSVILLE, NJ

LOCATION.--Latitude 40°44'03", longitude 74°32'26", Somerset County, Hydrologic Unit 02030103, on right bank on downstream wingwall of bridge on U.S. Route 202, 1.8 mi northeast of Bernardsville, and 3.0 mi upstream from Great Brook.

DRAINAGE AREA.--8.83 mi<sup>2</sup>

RECORD.--Periodic record, 1965, 1967-76, 1979, 1983, 1987, 1992-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	4.0	10.0	21.5	18.0	19.5	21.5	21.0	22.5	17.0	13.0	6.5
Median	1.5	2.5	6.5	12.5	15.0	18.0	21.0	19.0	18.5	12.5	8.0	2.5
Minimum	.5	.0	3.5	5.5	10.0	16.0	19.5	18.0	11.5	10.0	3.0	.5
25th percentile	1.0	1.0	3.5	9.5	13.5	16.0	20.0	18.0	16.5	11.0	5.5	1.0
75th percentile	3.5	3.5	10.0	15.0	17.0	19.0	21.5	21.0	20.0	15.0	10.5	5.5
No. of obs.	5	6	4	9	8	6	5	4	9	6	7	8

## PASSAIC RIVER BASIN

01379000 PASSAIC RIVER NEAR MILLINGTON, NJ

LOCATION.--Latitude 40°40'48", longitude 74°31'45", Somerset County, Hydrologic Unit 02030103, on right bank 200 ft downstream from Davis Bridge on Maple Avenue, 0.7 mi northwest of Millington, and 1.8 mi downstream from Black Brook.

DRAINAGE AREA.--55.4 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

REMARKS.--Diversion from Osborn Pond by Commonwealth Water Company, Bernards Division, was discontinued in 1979.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	5.5	8.0	20.5	25.0	24.0	28.0	27.5	24.5	17.0	13.0	4.5
Median	.5	.5	4.0	9.5	18.0	20.5	23.0	22.0	18.0	12.0	8.0	1.0
Minimum	.0	.0	.0	4.0	11.5	16.5	19.0	18.0	13.0	5.5	1.0	.0
25th percentile	.0	.0	1.5	8.5	15.0	19.0	22.0	20.5	16.5	10.0	4.5	.0
75th percentile	.5	2.0	7.0	12.5	19.0	22.0	25.0	23.0	19.5	14.0	10.5	2.5
No. of obs.	22	37	26	37	31	29	43	38	35	40	24	21

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

01379500 PASSAIC RIVER NEAR CHATHAM, NJ

LOCATION.--Latitude 40°43'31", longitude 74°23'23", Morris County, Hydrologic Unit 02030103, on left bank 150 ft downstream from Stanley Avenue bridge in Chatham, and 3.0 mi upstream from Canoe Brook.

DRAINAGE AREA.--100 mi<sup>2</sup>

RECORD.--Periodic record, 1960-93; daily record, 1966-68

REMARKS.--Diversion from Osborn Pond by Commonwealth Water Company, Bernards Division, 1903-79.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	7.5	10.0	20.0	27.0	26.0	31.0	27.0	24.0	19.0	15.0	8.0
Median	1.0	1.5	5.0	12.0	18.0	22.0	24.0	23.0	19.0	13.0	8.0	2.0
Minimum	.0	.0	.0	5.0	11.5	17.5	20.0	19.5	13.0	7.0	1.0	.0
25th percentile	.0	.5	3.0	10.0	16.0	20.5	22.5	22.0	16.0	10.0	5.0	.5
75th percentile	3.5	2.0	7.0	13.0	20.0	23.5	26.0	25.0	21.5	15.5	12.0	4.5
No. of obs.	22	34	29	43	27	30	40	39	36	37	21	20

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	3.5	15.0	18.0	20.0	27.0	28.0	27.0	25.5	18.0	14.0	7.0
Median	1.0	1.5	5.0	13.0	16.0	22.0	25.5	25.0	20.0	13.5	5.0	3.0
Minimum	.5	.0	2.0	10.0	13.0	16.0	21.0	18.0	16.0	9.0	1.0	.5
25th percentile	1.0	1.0	3.0	12.0	15.0	19.0	24.0	23.5	19.0	11.5	4.0	1.0
75th percentile	2.0	3.0	9.0	14.0	18.0	24.5	27.0	25.5	21.0	17.0	8.5	4.0
No. of obs.	26	27	28	26	29	32	29	28	30	27	25	27

## PASSAIC RIVER BASIN

01379530 CANOE BROOK NEAR SUMMIT, NJ

LOCATION.--Latitude 40°45'21", longitude 74°21'43", Essex County, Hydrologic Unit 02030103, just downstream of New Jersey-American Water Company pumping station, 0.5 mi upstream of mouth, and 2.0 mi north of Summit.

DRAINAGE AREA.--11.0 mi<sup>2</sup>

RECORD.--Periodic record, 1959-71, 1973-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	6.5	7.0	19.0	27.0	29.0	26.0	25.0	23.0	18.0	15.5	10.0
Median	2.0	1.5	3.5	11.0	16.0	21.0	24.0	23.5	18.0	13.0	8.0	2.0
Minimum	-.5	-.5	1.0	4.5	9.0	19.0	21.0	19.0	13.0	9.5	4.0	1.0
25th percentile	.5	.5	1.0	9.0	14.5	19.0	22.0	21.5	15.0	10.0	6.0	1.5
75th percentile	5.0	3.5	7.0	13.0	20.0	23.0	25.0	24.5	20.0	16.0	11.0	4.5
No. of obs.	9	13	3	17	15	10	10	14	11	12	10	10

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

## 01379700 ROCKAWAY RIVER AT BERKSHIRE VALLEY, NJ

LOCATION.--Latitude 40°55'51", longitude 74°35'42", Morris County, Hydrologic Unit 02030103, on left bank 60 ft downstream from bridge on Berkshire Valley Road in Berkshire Valley, 2.7 mi upstream from Stephens Brook, and 3.8 mi northwest of Dover.

DRAINAGE AREA.--24.4 mi<sup>2</sup>

RECORD.--Periodic record, 1960-68, 1980-81, 1984-93

REMARKS.--Some regulation of flow from lakes and reservoirs upstream.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	3.5	12.0	17.0	21.0	23.0	24.0	26.5	25.5	13.5	9.5	5.5
Median	2.0	1.5	8.0	10.0	18.5	20.5	20.5	21.0	19.5	10.0	6.0	1.5
Minimum	.0	.5	3.0	5.0	16.0	17.5	19.0	18.0	16.5	5.0	4.5	.0
25th percentile	1.0	.5	3.0	7.5	17.0	18.5	20.0	19.5	17.0	8.0	5.0	.5
75th percentile	4.0	2.5	12.0	14.5	20.5	21.5	23.5	22.0	23.5	11.5	8.5	4.5
No. of obs.	8	6	6	15	7	11	6	8	8	6	9	4

## PASSAIC RIVER BASIN

## 01379773 GREEN POND BROOK AT PICATINNY ARSENAL, NJ

LOCATION.--Latitude 40°57'34", longitude 74°32'24", Morris County, Hydrologic Unit 02030103, on left bank at Picatinny Arsenal, 500 ft upstream from Picatinny Lake, and 0.6 mi downstream from Burnt Meadow Brook.

DRAINAGE AREA.--7.65 mi<sup>2</sup>

RECORD.--Periodic record, 1982-93; continuous record, 1983-86

REMARKS.--Some regulation of flow by Lake Denmark and Green Pond.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	4.0	10.5	14.5	20.0	21.5	25.0	25.0	21.5	16.0	12.0	7.0
Median	2.5	3.0	5.0	9.0	15.5	19.5	22.0	23.0	18.5	13.5	6.0	3.0
Minimum	.0	1.0	1.5	7.0	11.5	15.0	20.0	19.5	15.0	8.0	4.0	1.5
25th percentile	1.0	1.5	4.0	8.5	12.5	18.5	20.5	20.0	16.5	10.0	5.5	2.0
75th percentile	3.0	4.0	7.0	11.0	19.0	20.0	24.0	25.0	20.5	15.0	8.5	4.5
No. of obs.	15	9	13	11	8	10	5	7	9	10	9	8

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	6.0	13.5	19.5	22.0	24.5	25.5	25.5	24.0	20.0	13.5	6.5
Median	1.0	2.0	4.0	9.5	15.5	19.0	21.5	21.0	17.0	13.5	7.5	2.5
Minimum	.0	.0	.0	2.0	9.5	14.5	16.5	15.0	12.5	6.0	.5	.0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

01379780 GREEN POND BROOK BELOW PICATINNY LAKE AT PICATINNY ARSENAL, NJ

LOCATION.--Latitude 40°56'56", longitude 74°33'29", Morris County, Hydrologic Unit 02030103, on left bank 100 ft upstream from bridge on Whitmore Avenue at Picatinny Arsenal, and 200 ft downstream from dam on Picatinny Lake.

DRAINAGE AREA.--9.16 mi<sup>2</sup>

RECORD.--Periodic record, 1958, 1982, 1984-93

REMARKS.--Occasional regulation of flow at Picatinny Lake.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	5.0	12.0	17.0	20.0	25.0	28.5	26.0	23.5	18.5	13.0	5.0
Median	4.0	2.5	5.0	11.5	17.0	23.0	22.0	26.0	21.0	16.5	7.5	4.5
Minimum	1.0	.5	1.5	8.5	12.5	19.0	22.0	25.5	17.0	13.0	6.0	1.0
25th percentile	1.0	1.0	4.0	9.0	14.0	21.0	22.0	25.5	19.0	13.5	7.0	1.0
75th percentile	4.5	4.5	8.5	16.0	19.5	24.5	27.5	26.0	22.0	17.5	12.0	5.0
No. of obs.	6	6	6	4	5	9	5	2	7	5	7	3

## PASSAIC RIVER BASIN

01379790 GREEN POND BROOK AT WHARTON, NJ

LOCATION.--Latitude 40°55'04", longitude 74°35'02", Morris County, Hydrologic Unit 02030103, on left bank 600 ft upstream from bridge on northbound lane of State Route 15, 0.2 mi northwest of Wharton, and 1.7 mi upstream from mouth.

DRAINAGE AREA.--12.6 mi<sup>2</sup>

RECORD.--Periodic record, 1982-93

REMARKS.--Some regulation of flow from Lake Picatinny, Picatinny Arsenal sewage treatment plant, and flood gates located about 800 ft upstream of gage.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	6.0	12.0	13.0	19.0	23.0	26.0	25.0	22.0	17.0	11.0	9.0
Median	3.0	4.0	6.5	10.5	16.0	20.5	22.5	22.0	18.0	13.5	7.0	4.5
Minimum	.5	1.0	1.5	8.0	12.5	15.0	21.0	19.0	15.0	9.0	6.0	1.0
25th percentile	1.0	2.0	4.0	9.0	14.5	16.5	21.5	19.5	17.0	11.0	6.0	3.0
75th percentile	4.0	5.0	7.5	12.0	19.0	21.5	24.0	23.5	20.0	15.0	9.5	6.5
No. of obs.	15	9	13	8	6	9	6	6	12	6	7	8

## PASSAIC RIVER BASIN

01380000 BEAVER BROOK AT OUTLET OF SPLIT ROCK RESERVOIR, NJ

LOCATION.--Latitude 40°57'38", longitude 74°27'43", Morris County, Hydrologic Unit 02030103, 50 ft below sluice gates at outlet of Splitrock Reservoir, 2 mi northeast of Hibernia, and 3.5 mi upstream of mouth of Hibernia Brook.

DRAINAGE AREA.--5.50 mi<sup>2</sup>

RECORD.--Periodic record, 1959, 1961-63, 1965-66, 1969-78, 1980-88

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.5	10.5	15.0	19.0	21.5	23.0	24.0	23.0	18.0	13.0	22.0
Median	2.0	3.0	4.0	8.0	15.0	20.0	22.0	23.0	21.0	15.0	8.5	4.0
Minimum	.0	.5	2.5	4.5	12.0	18.0	18.0	21.0	20.0	8.0	5.5	1.5
25th percentile	1.0	1.0	3.5	6.0	14.0	18.5	19.0	22.0	20.0	12.0	6.0	3.5
75th percentile	3.0	4.5	5.5	12.0	17.5	21.0	23.0	23.5	22.0	17.0	11.0	5.5
No. of obs.	6	8	10	9	11	8	6	11	9	16	7	12

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

## 01380500 ROCKAWAY RIVER ABOVE RESERVOIR AT BOONTON, NJ

LOCATION.--Latitude 40°54'10", longitude 74°24'36", Morris County, Hydrologic Unit 02030103, on right bank, under New Jersey Transit railroad bridge, just downstream of bridge on Morris Avenue in Boonton, 1.8 mi upstream from dam at Boonton Reservoir.

DRAINAGE AREA.--116 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

REMARKS.--Flow regulated by Splitrock Reservoir on Beaver Brook, 14.5 mi upstream of station. Town of Boonton diverts water for municipal supply from Taylortown Reservoir on Stony Brook and by pumping from wells in vicinity of Boonton.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	2.0	14.0	19.0	22.5	23.5	28.0	26.0	25.0	19.0	12.5	7.0
Median	.5	.5	5.0	10.0	18.0	20.5	24.0	23.0	18.0	12.5	7.0	2.0
Minimum	.0	.0	.5	5.5	11.0	13.5	21.0	19.0	12.0	9.0	.5	.0
25th percentile	.0	.0	3.0	8.0	16.0	19.5	22.5	22.0	16.5	11.0	5.0	1.0
75th percentile	1.0	1.5	7.0	12.5	21.0	22.0	24.5	23.5	20.0	14.0	10.0	5.0
No. of obs.	13	17	26	22	21	23	24	30	25	26	20	24

## PASSAIC RIVER BASIN

## 01381000 ROCKAWAY RIVER BELOW RESERVOIR AT BOONTON, NJ

LOCATION.--Latitude 40°53'49", longitude 74°23'42", revised, Morris County, Hydrologic Unit 02030103, on right bank 2,000 ft downstream from Boonton Reservoir Dam at Boonton, and 0.4 mi upstream at bridge on Greenback Road.

DRAINAGE AREA.--119 mi<sup>2</sup>

RECORD.--Periodic record, 1959-71, 1973-93

REMARKS.--Records represent temperature in river only. Sewage effluent enters river about 600 ft below station. Flow regulated by Boonton Reservoir, 2,000 ft upstream of station, and by Splitrock Reservoir, 16.5 mi above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	4.0	9.5	20.0	21.0	25.5	25.0	25.0	22.5	21.0	14.0	9.0
Median	1.5	2.0	4.5	9.5	15.5	19.0	21.5	23.0	19.0	16.0	9.0	4.0
Minimum	.0	.0	2.0	6.0	9.5	15.5	14.5	18.0	11.0	11.0	3.5	-.5
25th percentile	.5	1.5	3.0	7.5	13.5	18.0	18.0	20.0	17.5	13.5	5.5	4.0
75th percentile	3.5	2.5	6.5	11.0	18.5	20.5	23.5	25.0	21.5	17.0	11.0	6.0
No. of obs.	11	14	12	13	14	11	11	13	11	16	9	17

## PASSAIC RIVER BASIN

## 01381200 ROCKAWAY RIVER AT PINE BROOK, NJ

LOCATION.--Latitude 40°51'29", longitude 74°20'53", Morris County, Hydrologic Unit 02030103, at bridge on U.S. Route 46 at intersection with New Road in Pine Brook, and 1.1 mi upstream of mouth.

DRAINAGE AREA.--136 mi<sup>2</sup>

RECORD.--Periodic record, 1963-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	5.0	9.5	18.0	21.0	27.0	28.0	24.0	22.5	18.0	15.0	7.5
Median	1.0	2.0	5.0	9.0	17.5	20.0	23.5	21.5	18.5	14.0	11.0	4.0
Minimum	.0	.0	2.5	4.0	11.0	17.5	19.5	18.0	11.0	9.5	5.5	2.0
25th percentile	.0	1.5	4.0	6.5	13.0	18.5	22.5	20.5	16.5	13.0	9.0	3.5
75th percentile	3.0	3.5	6.0	12.0	18.0	22.0	25.0	23.0	21.0	14.0	12.5	6.0
No. of obs.	9	17	9	27	15	23	27	25	27	20	8	9



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

## 01381500 WHIPPANY RIVER AT MORRISTOWN, NJ

LOCATION.--Latitude 40°48'26", longitude 74°27'22", Morris County, Hydrologic Unit 02030103, on left bank at Morristown sewage-disposal plant, 0.8 mi northeast of Morristown, and 9.0 mi upstream from mouth.

DRAINAGE AREA.--29.4 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

REMARKS.--Flow occasionally regulated by operation of gates in Pocahontas Dam, 2.5 mi above station. Diurnal fluctuations of flow from unknown source at low flow.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	7.0	13.0	19.5	24.5	26.0	30.0	27.0	23.0	19.0	15.0	10.0
Median	2.5	3.0	6.0	10.0	18.0	20.5	24.0	22.5	18.5	12.5	7.5	4.0
Minimum	.0	.0	1.0	6.0	14.0	17.0	17.5	16.5	12.0	9.0	2.0	.5
25th percentile	1.5	1.5	4.5	7.5	15.5	19.0	22.0	21.0	17.0	11.0	6.0	2.5
75th percentile	4.0	4.0	9.0	12.5	20.0	22.5	25.5	24.0	21.5	15.5	11.0	6.0
No. of obs.	28	28	27	32	31	29	42	36	28	30	22	20

## PASSAIC RIVER BASIN

## 01381800 WHIPPANY RIVER NEAR PINE BROOK, NJ

LOCATION.--Latitude 40°50'42", longitude 74°20'51", Morris County, Hydrologic Unit 02030103, at bridge on New Road, 0.3 mi southwest of overpass of Interstate 280, 0.4 mi upstream of Rockaway River, and 1.4 mi southwest of Pine Brook.

DRAINAGE AREA.--68.5 mi<sup>2</sup>

RECORD.--Periodic record, 1963-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	7.0	9.5	22.0	22.5	28.5	28.0	26.0	24.5	20.0	14.0	6.5
Median	2.0	3.0	6.0	11.5	18.0	22.0	24.5	22.0	19.0	14.0	10.5	4.0
Minimum	.0	.0	4.0	3.0	11.0	17.5	22.0	18.0	12.5	9.0	4.0	1.0
25th percentile	.5	1.5	4.5	9.0	15.0	20.5	23.5	21.5	18.0	12.0	6.5	2.5
75th percentile	3.0	4.5	8.0	15.5	20.0	23.0	26.0	24.0	20.0	16.0	13.0	6.0
No. of obs.	9	19	11	24	14	23	25	29	27	20	12	7

## PASSAIC RIVER BASIN

## 01381900 PASSAIC RIVER AT PINE BROOK, NJ

LOCATION.--Latitude 40°51'45", longitude 74°19'18", Morris County, Hydrologic Unit 02030103, on downstream left wingwall of bridge on U.S. Route 46, 0.5 mi east of Pine Brook, and 1.3 mi downstream from Rockaway River.

DRAINAGE AREA.--349 mi<sup>2</sup>

RECORD AVAILABLE.--Periodic record, 1963-68, 1979-83, 1985-93

REMARKS.--Flow regulated by Boonton and Splitrock Reservoirs and many small lakes. Water diverted from Boonton Reservoir for municipal supply of Jersey City.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	3.0	7.5	15.0	20.0	27.5	29.0	25.0	23.5	15.0	13.0	7.0
Median	2.5	2.5	5.0	11.5	17.0	20.5	25.0	23.5	19.5	14.0	9.5	5.5
Minimum	.0	1.0	3.0	5.5	14.0	16.0	22.0	21.0	14.0	13.0	8.0	3.0
25th percentile	1.5	1.5	4.5	9.0	15.5	18.5	24.5	22.0	16.0	13.0	8.0	3.5
75th percentile	3.0	3.0	6.0	13.0	19.5	26.5	26.5	25.0	22.0	15.0	12.5	6.5
No. of obs.	9	4	8	6	5	7	9	5	8	4	6	6

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

01382000 PASSAIC RIVER AT TWO BRIDGES, NJ

LOCATION.--Latitude 40°53'40", longitude 74°16'23", Essex County, Hydrologic Unit 02030103, at bridge on Two Bridges Road in Two Bridges, 50 ft upstream from Pompton River.

DRAINAGE AREA.--361 mi<sup>2</sup>

RECORD.--Periodic record, 1963-93; continuous record, 1969-74; daily record, 1962-70, 1972

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	5.0	13.0	22.0	24.0	26.5	28.5	27.5	26.0	19.5	15.0	5.0
Median	.5	1.5	6.5	13.0	16.0	22.5	25.0	23.5	20.0	13.0	7.5	3.5
Minimum	.0	.0	1.0	8.5	13.5	17.0	21.5	20.0	13.5	9.5	4.5	.0
25th percentile	.0	.5	4.5	10.0	15.5	20.0	24.0	22.0	18.0	11.5	6.0	1.0
75th percentile	3.0	3.0	8.0	15.5	19.0	25.0	26.0	25.0	21.5	14.5	10.5	4.0
No. of obs.	10	25	18	22	20	36	31	30	34	25	17	14

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	5.5	10.0	19.5	20.5	28.0	28.0	28.0	26.5	20.0	13.5	10.0
Median	2.5	2.0	5.5	11.0	15.5	22.0	24.0	24.0	20.0	14.0	7.5	4.0
Minimum	.0	.0	1.0	3.0	11.0	16.5	19.5	20.0	14.0	7.0	2.5	.0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	6.5	13.0	19.0	25.0	26.5	28.5	27.0	24.5	19.0	14.5	11.0
Median	1.5	1.5	5.5	12.0	17.0	21.5	24.5	23.5	20.0	14.0	9.0	3.5
Minimum	.0	.0	.5	4.0	9.5	16.0	20.0	19.0	10.0	7.0	2.0	.0
25th percentile	.5	.5	4.0	10.0	16.0	20.0	23.0	22.0	18.0	12.0	7.0	1.0
75th percentile	3.0	3.0	7.0	13.5	19.0	23.5	25.5	24.0	21.0	16.0	10.0	4.5
No. of obs.	230	210	258	244	253	256	204	208	203	271	251	237

## PASSAIC RIVER BASIN

01382500 PEQUANNOCK RIVER AT MACOPIN INTAKE DAM, NJ

LOCATION.--Latitude 41°01'05", longitude 74°24'07", Morris County, Hydrologic Unit 02030103, on left bank 15 ft downstream of culvert at crossover between northbound and southbound lanes on State Route 23, 1,000 ft downstream from Macopin Intake Dam, 0.6 mi downstream from Macopin River, and 2.8 mi northwest of Butler.

DRAINAGE AREA.--63.7 mi<sup>2</sup>

RECORD.--Periodic record, 1962-93

REMARKS.--Flow regulated by Canistear, Oak Ridge, Clinton, and Charlotteburg Reservoirs, and Echo Lake. Water diverted at Charlotteburg Reservoir for municipal supply for the City of Newark.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	4.0	9.5	22.0	22.0	23.0	27.0	26.0	24.5	18.0	11.0	8.5
Median	2.0	2.0	4.0	9.0	14.5	19.5	24.0	23.0	18.5	14.0	8.0	4.5
Minimum	.5	.0	1.0	3.0	11.0	16.0	18.0	16.5	11.5	7.0	2.0	1.0
25th percentile	1.0	1.0	2.5	7.5	12.5	17.0	22.0	21.0	16.5	11.0	5.5	2.0
75th percentile	3.5	3.0	6.0	10.5	18.0	22.0	25.0	24.0	22.0	15.5	10.0	6.0
No. of obs.	13	14	17	20	13	14	17	15	20	18	16	11

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

## 01383500 WANAQUE RIVER AT AWOSTING, NJ

LOCATION.--Latitude 41°09'31", longitude 74°20'00", Passaic County, Hydrologic Unit 02030103, on right bank 700 ft downstream from dam at outlet of Greenwood Lake at Awosting.

DRAINAGE AREA.--27.1 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

REMARKS.--Flow completely regulated by Greenwood Lake. Water diverted into basin above gage from Upper Greenwood Lake by North Jersey District Water Supply Commission since 1968.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	8.5	12.0	13.5	20.0	23.5	28.5	28.0	27.0	17.0	12.0	6.0
Median	2.0	2.0	4.5	9.5	16.0	21.0	24.5	24.0	20.5	14.0	8.0	2.5
Minimum	.5	1.0	3.0	1.5	11.5	13.0	21.5	19.0	14.0	10.0	3.0	.0
25th percentile	1.0	1.0	3.5	7.5	13.0	18.5	24.0	21.5	17.5	12.0	7.0	1.0
75th percentile	3.0	3.5	5.5	10.5	19.0	23.0	25.0	26.0	24.0	15.0	10.0	4.5
No. of obs.	18	8	19	13	14	14	15	7	19	18	13	15

## PASSAIC RIVER BASIN

## 01384000 WANAQUE RIVER AT MONKS, NJ

LOCATION.--Latitude 41°07'14", longitude 74°17'41", Passaic County, Hydrologic Unit 02030103, on left bank just upstream from Wanaque Reservoir, and 0.3 mi downstream from highway bridge at Monks.

DRAINAGE AREA.--40.0 mi<sup>2</sup>

RECORD.--Periodic record, 1959-60, 1962-85

REMARKS.--Gage destroyed in 1985.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	2.0	7.5	14.5	24.5	27.0	27.0	27.0	23.0	18.0	12.0	9.0
Median	3.0	2.0	5.5	11.0	15.5	20.5	23.5	23.0	20.5	14.0	7.5	2.0
Minimum	.0	.0	.5	6.5	10.5	16.5	17.0	19.5	15.0	8.0	2.0	.0
25th percentile	.5	.0	3.0	9.5	12.5	18.0	21.5	23.0	16.5	10.5	5.5	1.0
75th percentile	5.5	2.0	6.0	11.5	17.0	25.0	26.5	26.0	22.0	15.5	9.5	4.5
No. of obs.	9	8	15	12	10	10	7	8	9	10	10	15

## PASSAIC RIVER BASIN

## 01384500 RINGWOOD CREEK NEAR WANAQUE, NJ

LOCATION.--Latitude 41°07'36", longitude 74°15'52", Passaic County, Hydrologic Unit 02030103, on right bank 500 ft upstream from Wanaque Reservoir, 0.7 mi downstream from Ringwood Mill Pond dam, and 6.5 mi north of Wanaque.

DRAINAGE AREA.--19.1 mi<sup>2</sup>

RECORD.--Periodic record, 1959-78, 1985-93

REMARKS.--Flow slightly regulated by Ringwood Mill Pond, Sterling and Sterling Forest Lakes, and several smaller lakes above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	8.0	13.0	12.5	20.5	28.5	28.5	27.0	23.0	18.0	12.0	6.5
Median	1.0	1.5	4.5	10.5	16.0	21.5	24.0	23.0	20.0	14.0	8.0	2.5
Minimum	.0	.0	1.0	6.5	11.5	15.0	22.0	19.0	13.0	9.0	3.0	.5
25th percentile	1.0	1.0	2.0	9.0	14.0	20.0	23.0	21.5	16.5	11.0	4.5	1.5
75th percentile	3.5	2.0	6.0	11.5	19.0	23.0	25.5	25.5	22.0	15.0	10.0	4.5
No. of obs.	10	9	15	10	11	16	13	9	17	12	13	11

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

01386000 WEST BROOK NEAR WANAQUE, NJ

LOCATION.--Latitude 41°04'16", longitude 74°18'45", Passaic County, Hydrologic Unit 02030103, on right bank just upstream from Wanaque Reservoir, 0.3 mi downstream from Burnt Meadow Brook, and 2.5 mi northwest of Wanaque.

DRAINAGE AREA.--11.8 mi<sup>2</sup>

RECORD.--Periodic record, 1959, 1961-78

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	2.0	12.5	11.5	18.5	20.0	24.0	23.0	19.0	18.0	12.0	4.0
Median	1.0	.5	4.0	8.5	13.5	19.0	19.0	19.5	17.0	12.0	8.5	1.0
Minimum	.0	.0	.5	1.5	11.0	16.0	13.5	16.5	15.0	6.0	2.0	.0
25th percentile	.5	.5	1.5	5.0	13.5	16.0	16.5	18.5	15.5	9.5	4.0	.0
75th percentile	2.0	1.5	7.0	10.5	15.5	20.0	20.5	20.5	18.5	14.5	9.5	2.5
No. of obs.	6	5	9	8	11	7	9	8	10	8	8	8

## PASSAIC RIVER BASIN

01387000 WANAQUE RIVER AT WANAQUE, NJ

LOCATION.--Latitude 41°02'39", longitude 74°17'36", Passaic County, Hydrologic Unit 02030103, on left bank 750 ft downstream from Raymond Dam in Wanaque, and 50 ft upstream from bridge on State Highway 511.

DRAINAGE AREA.--90.4 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93; daily record, 1963-80

REMARKS.--Flow regulated by Greenwood Lake 11 mi above station; since October 1987, the flow has been regulated by Monksville Reservoir just upstream of Wanaque Reservoir, and since 1928 by Wanaque Reservoir. North Jersey District Water Supply Commission diverts water for municipal supply from Wanaque Reservoir.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	7.5	7.0	15.0	17.0	21.0	21.5	24.0	23.0	18.0	12.5	11.5
Median	3.0	2.5	4.0	8.5	13.0	15.0	16.5	19.0	17.0	12.0	10.0	5.5
Minimum	.0	.0	1.0	5.0	8.5	8.5	11.0	9.5	9.0	8.5	2.0	1.5
25th percentile	2.0	1.5	3.0	7.0	11.0	13.5	14.0	16.0	13.0	10.5	9.0	4.0
75th percentile	4.0	3.5	5.0	9.5	14.5	17.5	18.5	21.5	19.0	14.5	11.0	6.5
No. of obs.	21	26	22	36	25	33	35	30	37	30	20	19

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	5.0	7.0	10.5	16.5	19.5	25.0	24.5	23.0	21.0	17.0	12.0
Median	3.0	3.0	4.0	7.0	10.5	13.0	16.0	19.0	19.5	15.5	11.0	6.0
Minimum	1.0	.5	.5	4.0	8.0	10.0	12.0	13.0	15.5	11.0	6.0	2.0
25th percentile	2.5	2.0	3.0	6.0	10.0	12.0	15.0	17.0	18.0	14.0	10.0	4.5
75th percentile	3.5	3.0	4.5	8.0	12.0	15.5	19.0	21.0	21.0	17.5	12.0	7.0
No. of obs.	401	356	415	394	405	398	400	412	386	392	358	401

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

## 01387500 RAMAPO RIVER NEAR MAHWAH, NJ

LOCATION.--Latitude 41°05'51", longitude 74°09'48", Bergen County, Hydrologic Unit 02030103, on left bank 350 ft downstream from State Highway 17, 0.6 mi downstream from Mahwah River, and 1.0 mi west of Mahwah. Water-quality samples collected at bridge, 350 ft upstream from gage, at high flows.

DRAINAGE AREA.--120 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

REMARKS.--Flow affected by diversion from Spring Valley Water Company in New York well field upstream from station. Occasional regulation of flow from lakes and ponds upstream from the station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	7.5	14.5	20.5	20.0	25.0	27.5	27.0	23.0	17.0	12.5	7.5
Median	1.5	2.0	5.0	11.0	16.0	20.0	22.5	21.5	18.0	12.5	8.5	4.0
Minimum	.0	.5	1.5	4.5	12.5	14.0	18.5	17.5	13.0	8.0	1.0	.0
25th percentile	.5	1.0	3.0	9.0	14.5	18.0	20.5	19.5	16.0	10.5	5.5	1.5
75th percentile	2.5	4.0	6.0	13.5	17.5	21.5	23.5	23.0	20.0	14.0	10.0	5.0
No. of obs.	27	28	33	40	21	42	40	37	34	35	27	24

## PASSAIC RIVER BASIN

## 01388000 RAMAPO RIVER AT POMPTON LAKES, NJ

LOCATION.--Latitude 40°59'33", longitude 74°16'44", Passaic County, Hydrologic Unit 02030103, on right end of dam at pumping station in Pompton Lakes, 700 ft upstream of bridge on Paterson-Hamburg Turnpike, and 2.0 mi upstream from mouth. Water samples collected upstream of dam at water-supply intake, on right bank. Water-quality monitor is 450 ft downstream of dam.

DRAINAGE AREA.--160 mi<sup>2</sup>

RECORD.--Periodic record, 1961-93; continuous record, 1989-93

REMARKS.--Diversion by North Jersey District Water Supply Commission to Wanaque Reservoir since December 1953 and to Oradell Reservoir by Hackensack Water Company since February 1985 for municipal supply. Slight regulation of flow by Pompton Lake.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	5.0	10.0	15.5	22.0	28.0	28.0	26.5	26.5	19.5	14.5	9.0
Median	2.0	2.5	4.5	11.0	16.0	21.0	24.5	24.0	21.0	13.0	7.0	3.0
Minimum	.0	.0	1.0	7.0	12.0	17.0	18.0	16.5	15.0	8.0	3.0	.5
25th percentile	.5	1.5	3.0	9.5	15.5	19.0	23.0	22.0	19.0	11.5	5.0	2.0
75th percentile	3.5	4.0	7.0	13.5	19.5	24.0	26.0	25.0	22.0	16.0	11.0	4.0
No. of obs.	19	18	19	22	26	29	23	21	34	23	19	23

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	6.5	14.5	20.0	29.0	29.0	31.0	30.0	27.0	22.0	14.5	8.5
Median	2.5	3.0	4.5	11.0	17.0	23.0	25.5	24.0	21.5	14.5	8.0	3.5
Minimum	.5	.0	1.0	5.0	10.0	16.0	20.0	20.0	15.0	9.5	3.0	.5

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

## 01388500 POMPTON RIVER AT POMPTON PLAINS, NJ

LOCATION.--Latitude 40°58'09", longitude 74°16'56", Passaic County, Hydrologic Unit 02030103, on left bank in Passaic Valley Water Commission pumping station, 800 ft below confluence of Pequannock and Ramapo Rivers, 100 ft upstream from bridge on Jackson Avenue (Pompton Plains Cross Road), and 0.7 mi east of Pompton Plains.

DRAINAGE AREA.--355 mi<sup>2</sup>

RECORD.--Periodic record, 1961-69, 1971-93

REMARKS.--Water diverted from reservoirs on Pequannock and Wanaque Rivers, from Pompton River to Point View Reservoir, and from Ramapo River to Wanaque Reservoir and Oradell Reservoirs since February 1985 for municipal supply. Flow regulated by Canistear, Oak Ridge, Clinton, Charlotteburg and Echo Lake Reservoirs on Pequannock River and by Greenwood Lake, Monksville, and Wanaque Reservoirs on Wanaque River.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	2.0	11.0	15.0	22.0	27.0	28.0	28.0	23.0	16.0	15.0	8.0
Median	1.5	2.0	5.5	10.5	16.5	22.0	24.5	24.0	19.5	14.0	10.0	2.0
Minimum	-.5	1.0	3.0	8.0	4.5	17.5	22.0	20.0	16.0	9.5	5.0	1.5
25th percentile	1.0	1.5	3.5	9.0	15.0	18.0	23.0	23.5	18.0	12.0	6.0	2.0
75th percentile	2.0	2.0	6.5	13.0	19.5	25.0	25.0	25.0	22.0	15.0	12.5	4.5
No. of obs.	12	5	14	9	12	11	10	11	19	11	10	16

## PASSAIC RIVER BASIN

## 01388600 POMPTON RIVER AT PACKANACK LAKE, NJ

LOCATION.--Latitude 40°56'36", longitude 74°16'47", Morris County, Hydrologic Unit 02030103, at bridge on State Highway 504 in Packanack Lake, and 2.2 mi downstream from confluence of Pequannock and Wanaque Rivers.

DRAINAGE AREA.--361 mi<sup>2</sup>

RECORD.--Periodic record, 1979-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	5.5	7.5	16.5	27.0	25.0	27.0	26.5	25.0	17.0	15.0	4.0
Median	2.5	2.0	5.0	11.0	16.0	20.0	24.5	23.0	20.0	12.5	7.5	2.5
Minimum	.5	.0	2.0	6.5	14.0	17.5	21.0	20.0	14.5	8.5	5.0	.5
25th percentile	.5	1.5	3.0	8.5	15.5	19.0	23.0	22.0	17.0	11.0	6.0	1.0
75th percentile	3.0	3.5	7.0	14.5	19.5	23.5	26.0	24.0	21.5	14.5	10.5	3.0
No. of obs.	6	15	7	13	12	23	16	14	17	13	8	7

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

01389000 POMPTON RIVER AT TWO BRIDGES, NJ

LOCATION.--Latitude 40°53'52", longitude 74°16'22", Passaic County, Hydrologic Unit 02030103, at bridge on Two Bridges Road, just upstream from mouth, 0.3 mi northeast of Two Bridges, and 2.6 mi northwest of Little Falls.

DRAINAGE AREA.--372 mi<sup>2</sup>

RECORD.--Periodic record, 1963-78, 1986-87; continuous record, 1969-74; daily record, 1962-72

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	12.0	3.0	9.5	20.5	22.0	27.0	28.0	25.0	22.0	18.0	12.0	10.0
Median	.0	1.5	6.0	13.0	17.5	22.5	25.0	23.5	19.0	12.5	7.0	3.5
Minimum	.0	.0	4.0	8.5	12.0	17.0	21.0	18.5	14.0	9.0	4.0	.0
25th percentile	.0	.5	5.5	11.0	14.0	18.5	23.5	21.0	16.0	11.0	5.0	3.0
75th percentile	6.5	2.5	7.0	16.0	19.0	24.0	26.5	24.0	20.0	15.5	10.5	4.5
No. of obs.	5	10	10	9	8	13	16	15	15	10	9	7

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	5.0	9.5	18.0	19.0	27.5	29.5	28.5	27.5	20.0	15.5	8.5
Median	1.5	1.5	4.5	10.0	15.0	21.5	24.0	24.0	20.0	14.5	7.5	3.5
Minimum	.0	.0	1.5	3.0	10.0	16.5	19.5	19.5	14.5	6.5	3.0	.0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	6.0	11.0	17.5	26.0	26.5	28.0	27.0	24.5	20.0	13.5	10.0
Median	1.0	1.5	4.5	11.0	16.5	21.0	23.5	22.0	19.5	14.0	8.0	3.0
Minimum	.0	.0	.0	4.0	9.5	15.5	19.0	18.0	10.5	6.5	1.0	.0
25th percentile	.5	.5	3.5	9.0	14.5	19.5	22.0	21.0	17.0	11.0	6.0	1.0
75th percentile	2.0	3.0	6.5	13.0	18.0	22.0	25.5	23.5	21.0	15.5	9.5	4.5
No. of obs.	230	210	258	244	253	256	204	209	203	240	221	236

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

01389005 PASSAIC RIVER BELOW POMPTON RIVER AT TWO BRIDGES, NJ

LOCATION.--Latitude 40°53'47", longitude 74°16'10", Passaic County, Hydrologic Unit 02030103, on right bank in Two Bridges and 400 ft downstream from the Pompton River.

DRAINAGE AREA.-- 734 mi<sup>2</sup>

RECORD.--Periodic record, 1987-93; continuous record, 1989-93

REMARKS.--Three temperature monitors are at the site; each measures the characteristics of water pumped from a single intake. Looking downstream, the "Left Intake" is 68 ft from the left bank, the "Middle Intake" is at midstream, and the "Right Intake" is 74 ft from the right bank. The distances are approximate values for low water conditions. The left intake monitors the Pompton River, the right intake monitors the Passaic River, and the middle intake monitors a mixture of the two rivers (the intakes are located just downstream of the confluence of the Passaic and Pompton River). Continuous records were collected at the three intakes. In order to determine a daily mean, the left and right daily means were averaged and that value then was averaged with the middle intake daily mean. A monthly median was then determined from the calculated daily means.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	5.5	8.0	15.0	23.0	26.0	27.5	27.0	27.0	18.5	9.5	5.5
Median	3.0	4.5	5.5	12.5	16.5	22.5	24.5	24.0	20.0	13.5	7.0	3.0
Minimum	.0	1.0	4.0	10.0	14.0	17.5	23.0	21.5	15.0	10.0	6.0	.5
25th percentile	1.0	2.0	4.0	10.5	15.5	19.5	23.5	22.0	17.5	12.5	6.0	1.0
75th percentile	4.0	5.5	7.5	14.0	21.5	24.5	26.5	25.5	21.0	15.5	9.5	4.5
No. of obs.	7	4	6	5	10	13	7	6	15	7	7	6

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	6.5	15.5	21.0	27.0	28.0	30.5	28.0	26.5	21.0	14.0	9.5
Median	2.5	3.0	5.0	11.0	17.0	22.5	25.0	24.0	21.0	14.0	8.0	3.5
Minimum	.0	.0	.0	5.5	13.0	16.0	19.0	19.5	14.0	9.0	3.0	.0

## PASSAIC RIVER BASIN

01389110 PASSAIC RIVER AT ROUTE 46 AT SINGAC, NJ

LOCATION.--Latitude 40°53'32", longitude 74°15'58", Passaic County, Hydrologic Unit 02030103, at bridge on U.S. Route 46 at Singac, and 0.6 mi downstream from Pompton River.

DRAINAGE AREA.--745 mi<sup>2</sup>

RECORD.--Periodic record, 1974-81

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	6.5	9.0	17.0	23.0	25.0	28.0	26.5	24.0	16.5	15.0	6.0
Median	1.0	2.5	6.0	14.0	18.0	22.5	24.5	24.0	19.5	14.0	10.5	3.0
Minimum	.0	.0	1.5	5.5	11.5	19.0	20.0	19.0	15.5	10.0	5.0	.5
25th percentile	.5	1.0	3.0	7.0	15.5	20.0	22.5	23.0	17.0	12.0	8.5	1.0
75th percentile	3.5	4.5	8.0	15.5	20.0	23.5	26.0	25.5	22.0	16.5	12.0	5.5
No. of obs.	9	11	11	11	12	10	12	14	12	8	12	13



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

01389500 PASSAIC RIVER AT LITTLE FALLS, NJ

LOCATION.--Latitude 40°53'05", longitude 74°13'35", Passaic County, Hydrologic Unit 02030103, on left bank 0.6 mi downstream from Beattie's Dam in Little Falls, and 1.0 mi upstream from Peckman River.

DRAINAGE AREA.--762 mi<sup>2</sup>

RECORD.--Periodic record, 1952, 1960-93; continuous record, 1980-86; daily record, 1962-80

REMARKS.--Diurnal fluctuation of flow at medium and low flows caused by hydroelectric plant at Beattie's Dam. Flow regulated by reservoirs in Rockaway, Pequannock, Wanaque, and Ramapo River subbasins. Large diversions for municipal supply from Passaic River above Beattie's Dam, and from Rockaway, Pequannock, Pompton, Ramapo, and Wanaque Rivers. In addition, the New Jersey-American Water Company (formerly Commonwealth Water Company) diverts from Canoe Brook near Summit and from Passaic River; that company, the city of East Orange, and others also divert water for municipal supply by pumping wells in the basin.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	6.5	12.5	14.5	23.0	25.5	28.5	29.0	25.0	19.0	13.0	6.0
Median	2.0	2.0	5.5	11.0	16.5	22.0	25.0	24.0	20.0	14.0	9.0	4.0
Minimum	.0	.0	.5	1.5	11.0	16.0	20.5	16.5	14.5	10.0	3.0	.5
25th percentile	.5	1.5	3.5	9.5	15.0	19.5	24.0	23.0	17.0	12.5	7.0	2.5
75th percentile	3.0	4.0	7.5	12.5	19.0	23.5	27.0	25.5	21.5	16.0	10.0	5.0
No. of obs.	30	33	31	26	36	40	32	37	49	32	34	25

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	8.0	14.5	19.5	25.0	26.5	29.5	27.0	26.5	22.0	16.5	12.0
Median	.5	1.5	5.5	11.5	17.0	22.0	25.0	24.0	20.5	14.5	8.0	3.5
Minimum	.0	.0	1.0	2.0	11.5	15.0	19.5	19.0	15.0	9.0	3.5	.0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	8.5	13.0	19.5	23.5	26.5	28.5	27.0	26.0	21.0	16.0	9.5
Median	1.5	1.5	5.5	11.0	16.5	21.0	24.0	23.5	20.0	14.0	8.5	3.5
Minimum	.0	.0	.5	3.5	10.0	14.0	17.0	18.5	13.5	7.0	2.0	.0
25th percentile	.5	1.0	4.0	9.0	14.5	19.5	23.0	22.0	18.5	12.0	6.0	1.5
75th percentile	3.0	3.0	6.5	13.0	18.5	23.0	25.0	24.5	21.0	15.5	10.5	5.0
No. of obs.	556	509	558	540	551	540	557	558	539	558	539	555

## PASSAIC RIVER BASIN

01389880 PASSAIC RIVER AT ROUTE 46 AT ELMWOOD PARK, NJ

LOCATION.--Latitude 40°53'37", longitude 74°07'46", Passaic County, Hydrologic Unit 02030103, at bridge on U.S. Route 46 at Elmwood Park, and 0.8 mi upstream from Dundee Dam.

DRAINAGE AREA.--803 mi<sup>2</sup>

RECORD.--Periodic record, 1974-81, 1991-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	7.0	10.0	17.5	22.5	25.0	30.5	26.5	24.0	16.5	15.0	6.0
Median	1.5	1.5	4.5	12.5	18.0	22.5	25.0	24.0	20.0	13.0	10.5	3.5
Minimum	.0	.0	.5	5.0	11.5	18.5	20.5	18.5	16.5	9.5	4.0	.5
25th percentile	.0	.5	3.0	6.5	15.0	20.0	24.0	22.5	17.0	11.0	8.5	1.0
75th percentile	3.5	4.5	7.5	15.0	20.5	24.0	26.5	25.5	21.5	16.0	12.5	5.0
No. of obs.	8	12	13	11	14	10	16	14	12	11	12	13

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

## 01390500 SADDLE RIVER AT RIDGEWOOD, NJ

LOCATION.--Latitude 40°59'05", longitude 74°05'30", Bergen County, Hydrologic Unit 02030103, on left bank 15 ft upstream from bridge on State Highway 17 in Ridgewood and 2.8 mi upstream from Hohokus Brook.

DRAINAGE AREA.--21.6 mi<sup>2</sup>

RECORD.--Periodic record, 1959-74, 1977-93

REMARKS.--The flow past this station is affected by pumpage from wells by Hackensack Water Company and others.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	5.0	9.5	16.0	15.0	29.5	29.0	25.0	23.5	19.0	14.0	8.0
Median	1.0	3.5	4.0	13.0	13.5	19.5	21.0	20.5	17.0	12.0	9.0	4.0
Minimum	.0	.5	.0	7.0	9.0	13.5	18.0	16.0	14.0	2.0	3.0	.0
25th percentile	.0	2.0	3.0	9.5	11.5	16.5	20.0	18.0	15.5	11.0	7.0	2.0
75th percentile	4.0	5.0	6.0	15.0	14.0	21.0	23.0	21.0	21.0	13.5	10.0	6.0
No. of obs.	20	11	25	14	12	23	19	14	19	17	19	17

## PASSAIC RIVER BASIN

## 01391000 HOHOKUS BROOK AT HO-HO-KUS, NJ

LOCATION.--Latitude 40°59'52", longitude 74°06'48", Bergen County, Hydrologic Unit 02030103, on left bank 500 ft upstream from bridge on Maple Avenue in Ho-Ho-Kus, and 3.5 mi upstream from mouth.

DRAINAGE AREA.--16.4 mi<sup>2</sup>

RECORD.--Periodic record, 1959-73, 1977-84, 1986-93

REMARKS.--Some regulation and diurnal fluctuation of flow at low and medium flows caused by unknown sources, possibly sewage treatment plant upstream of gage.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	8.5	11.0	16.5	18.5	26.0	26.5	24.0	23.5	17.0	14.5	9.0
Median	4.0	3.0	6.0	11.5	16.0	21.5	24.0	23.0	21.0	14.0	11.0	6.5
Minimum	-.5	1.5	3.0	8.0	13.0	18.0	20.0	18.0	13.0	11.0	.5	2.0
25th percentile	1.0	2.0	4.0	9.5	14.0	19.5	23.0	20.5	18.0	12.5	7.0	4.5
75th percentile	5.5	5.5	7.0	15.0	18.0	23.5	24.5	24.0	22.5	16.0	13.0	8.0
No. of obs.	10	11	17	10	7	17	13	12	17	16	13	8

## PASSAIC RIVER BASIN

## 01391200 SADDLE RIVER AT FAIR LAWN, NJ

LOCATION.--Latitude 40°56'30", longitude 74°05'36", Bergen County, Hydrologic Unit 02030103, at bridge on Century Road in Fair Lawn, and 0.8 mi downstream from Hohokus Brook.

DRAINAGE AREA.--45.2 mi<sup>2</sup>

RECORD.--Periodic record, 1979-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.0	8.5	14.0	20.0	24.0	25.5	26.0	23.5	18.0	5.5	--
Median	5.5	3.5	7.5	10.5	19.5	19.0	23.5	22.0	21.0	13.0	5.5	--
Minimum	3.0	2.5	6.0	8.0	18.0	16.0	20.0	20.0	18.5	8.5	5.5	--
25th percentile	5.0	3.0	6.0	9.5	18.5	16.5	22.5	21.0	18.5	10.0	5.5	--
75th percentile	6.0	7.0	8.5	12.0	20.0	23.0	24.0	24.0	23.5	16.0	5.5	--
No. of obs.	7	7	2	10	4	10	11	14	3	11	1	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

## 01391500 SADDLE RIVER AT LODI, NJ

LOCATION.--Latitude 40°53'25", Longitude 74°04'51", Bergen County, Hydrologic Unit 02030103, on left bank 560 ft upstream from bridge on Outwater Lane in Lodi, and 3.2 mi upstream from mouth. Water-quality samples collected at bridge on Outwater Lane at high flows.

DRAINAGE AREA.--54.6 mi<sup>2</sup>

RECORD.--Periodic record, 1960-93

REMARKS.--Occasional regulation of flow at low flow. Diversion upstream from station at Arcola by Hackensack Water Company, for municipal supply. The flow past this station is affected by pumpage from wells by Hackensack Water Company and others.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	8.5	14.0	19.5	23.5	26.5	27.0	26.0	26.0	20.0	14.0	10.5
Median	2.0	3.5	7.0	12.0	15.5	20.0	23.5	21.5	20.5	13.0	10.0	5.0
Minimum	.0	.0	1.0	7.0	10.0	15.0	19.5	16.0	13.0	8.5	4.0	.0
25th percentile	.5	2.0	5.0	10.0	12.5	18.0	21.5	20.0	17.0	11.0	7.0	3.5
75th percentile	5.0	5.0	9.5	13.0	19.0	21.5	25.0	23.0	23.0	15.0	11.0	6.0
No. of obs.	23	29	21	30	22	43	28	37	28	39	24	17

## PASSAIC RIVER BASIN

## 01392210 THIRD RIVER AT PASSAIC, NJ

LOCATION.--Latitude 40°49'47", longitude 74°08'32", Passaic County, Hydrologic Unit 02030103, on right bank 400 ft upstream from bridge on State Highway 3, 0.8 mi south of Passaic, 1.2 mi upstream from Passaic River.

DRAINAGE AREA.--11.8 mi<sup>2</sup>

RECORD.--Periodic record, 1977-93

REMARKS.--Some regulation of flow from ponds upstream.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	9.5	9.5	18.0	23.5	25.0	28.0	27.0	26.0	20.0	15.0	11.0
Median	1.0	3.5	7.0	15.0	17.0	20.0	23.0	25.0	21.0	14.5	9.0	5.5
Minimum	.0	.0	2.0	9.0	11.0	16.0	11.0	23.0	17.0	11.0	6.0	1.5
25th percentile	.5	1.0	6.0	12.0	13.0	17.0	22.5	23.0	18.5	11.0	7.0	4.5
75th percentile	6.0	7.0	8.5	15.0	21.5	21.5	26.0	27.0	23.0	19.0	12.0	7.0
No. of obs.	11	8	10	8	7	11	13	3	10	7	8	9

## PASSAIC RIVER BASIN

## 01392500 SECOND RIVER AT BELLEVILLE, NJ

LOCATION.--Latitude 40°47'17", longitude 74°10'19", Essex County, Hydrologic Unit 02030103, on right bank in Bellville, 300 ft downstream from Hendricks Brook, 360 ft downstream from Franklin Avenue, 1,100 ft downstream from Hendricks Pond Dam, and 1.4 mi upstream from mouth.

DRAINAGE AREA.--11.6 mi<sup>2</sup>

RECORD.--Periodic record, 1959, 1961-70, 1992

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	5.0	15.0	13.0	21.0	29.5	20.0	26.0	23.5	19.5	14.5	1.0
Median	4.5	1.0	7.0	11.5	16.0	21.0	20.0	23.0	21.0	16.5	9.0	.5
Minimum	.5	1.0	2.0	4.0	11.5	17.0	20.0	21.5	18.0	15.0	1.5	.0
25th percentile	.5	1.0	3.0	6.0	12.0	20.0	20.0	22.0	19.5	15.5	5.5	.0
75th percentile	6.5	5.0	11.0	12.5	20.5	29.0	20.0	25.0	22.5	19.0	11.5	1.0
No. of obs.	3	3	5	4	6	7	1	5	5	5	7	2

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## PASSAIC RIVER BASIN

01392600 PASSAIC RIVER AT HARRISON, NJ

LOCATION.--Latitude 40°44'00", longitude 74°09'21", Hudson County, Hydrologic Unit 02030103, at Fourth Street bridge in Harrison.

DRAINAGE AREA.--864 mi<sup>2</sup>

RECORD.--Periodic record, 1970-74

REMARKS.--Possible tidal influence on water temperature at high tide. Operated as part of USGS-EPA Surveillance Network.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	3.5	11.0	16.5	21.0	26.0	28.5	26.5	23.0	22.0	11.0	6.5
Median	2.0	3.5	8.5	13.0	19.0	23.0	28.0	25.5	20.5	15.0	10.0	6.5
Minimum	1.5	.5	5.5	11.0	15.0	21.5	25.5	24.0	16.5	12.5	6.5	6.5
25th percentile	1.5	1.0	5.5	11.5	16.0	22.0	26.0	24.5	17.5	13.0	7.5	6.5
75th percentile	2.0	3.5	11.0	16.0	20.5	25.5	28.5	26.5	22.5	20.5	11.0	6.5
No. of obs.	2	4	2	4	4	4	4	4	4	4	4	2

## ELIZABETH RIVER BASIN

01393450 ELIZABETH RIVER AT URSINO LAKE AT ELIZABETH, NJ

LOCATION.--Latitude 40°40'30", longitude 74°13'20", Union County, Hydrologic Unit 02030104, on left bank at Ursino Lake Dam in Elizabeth, 75 ft upstream of bridge on Trotters Lane and 3.8 mi upstream from mouth.

DRAINAGE AREA.--16.9 mi<sup>2</sup>

RECORD.--Periodic record, 1973-93

REMARKS.--Diversion by pumpage from Hammock Well Field in Union for municipal supply by Elizabethtown Water Company.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	11.5	9.0	14.0	18.0	27.0	30.0	26.0	27.0	25.0	20.5	16.5	11.0
Median	2.0	4.5	9.0	12.0	19.0	21.0	24.0	23.5	18.5	14.0	11.0	4.0
Minimum	.0	.0	3.0	7.0	15.5	17.0	16.5	16.5	15.0	9.5	5.5	2.0
25th percentile	1.0	1.0	4.5	9.5	17.0	19.5	22.0	23.0	17.0	12.0	8.5	3.0
75th percentile	4.5	7.0	10.5	16.0	23.0	24.0	25.5	24.5	23.0	17.0	12.5	6.5
No. of obs.	20	17	16	19	10	19	22	22	9	24	11	11

## ELIZABETH RIVER BASIN

01393500 ELIZABETH RIVER AT ELIZABETH, NJ

LOCATION.--Latitude 40°40'03", longitude 74°13'09", Union County, Hydrologic Unit 02030104, on left bank 85 ft upstream from Westfield Avenue bridge in Elizabeth, and 3.3 mi upstream from mouth.

DRAINAGE AREA.--20.2 mi<sup>2</sup>, of which 2.2 mi<sup>2</sup> contributes to a storm sewer which bypasses the station.

RECORD.--Periodic record, 1959-75

REMARKS.--Diversion by pumpage from Hammock well field, in Union, for municipal supply by Elizabethtown Water Company, probably reduces the flow past the station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	6.0	15.0	16.0	25.0	24.0	27.0	27.0	28.0	18.5	14.5	10.0
Median	4.0	2.0	9.0	11.0	18.0	21.0	24.0	23.0	18.5	14.5	12.0	7.0
Minimum	.0	.5	8.0	9.0	13.5	16.5	20.5	19.5	13.0	9.0	8.0	2.0
25th percentile	1.0	1.5	8.5	10.5	15.0	19.5	21.0	21.5	17.0	13.0	10.0	3.5
75th percentile	5.5	4.5	12.5	13.0	20.0	23.0	25.5	25.5	20.0	17.0	14.0	8.5
No. of obs.	4	11	8	19	9	13	12	9	16	12	11	9

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RAHWAY RIVER BASIN

01393950 WEST BRANCH RAHWAY RIVER AT WEST ORANGE, NJ

LOCATION.--Latitude 40°47'01", longitude 74°16'27", Essex County, Hydrologic Unit 02030104, at bridge on Mountain Avenue, 300 ft downstream of Turtle Brook, and 400 ft southeast of intersection with Pleasant Valley Way in West Orange.

DRAINAGE AREA.--2.52 mi<sup>2</sup>

RECORD.--Periodic record, 1982-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	7.5	8.0	10.5	23.5	21.0	25.5	25.0	22.5	18.5	11.0	--
Median	2.5	3.0	8.0	9.5	15.0	19.5	21.5	20.0	19.0	13.5	11.0	--
Minimum	.5	1.0	7.0	7.5	14.5	18.0	18.0	18.5	19.0	9.0	11.0	--
25th percentile	.5	1.5	7.0	8.5	14.5	19.0	20.0	19.5	19.0	11.0	11.0	--
75th percentile	4.5	7.0	8.0	10.5	23.5	20.5	24.0	21.5	22.5	16.5	11.0	--
No. of obs.	4	5	3	6	3	6	11	9	3	9	1	0

## RAHWAY RIVER BASIN

01394500 RAHWAY RIVER NEAR SPRINGFIELD, NJ

LOCATION.--Latitude 40°41'11", longitude 74°18'44", Union County, Hydrologic Unit 02030104, on left bank 50 ft downstream from bridge on eastbound U.S. Highway 22, 100 ft downstream from Pope Brook, and 1.5 mi south of Springfield.

DRAINAGE AREA.--25.5 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

REMARKS.--Water for municipal supply diverted from river by city of Orange. The flow past this station is affected by diversions by pumpege from wells by Orange, South Orange, and Short Hills Water Company, and Springfield station fo Elizabeth Water Company.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	7.0	13.0	14.5	20.5	24.0	27.0	28.0	22.0	19.0	15.0	9.0
Median	2.0	2.0	6.5	11.0	16.0	20.0	22.0	21.5	19.5	13.5	8.0	4.0
Minimum	.0	.0	1.0	4.0	11.0	16.0	18.0	16.0	12.0	6.5	3.0	.0
25th percentile	1.0	1.0	5.0	7.5	13.5	18.0	21.0	20.0	15.5	11.0	7.0	2.0
75th percentile	4.5	5.0	8.5	12.5	18.0	21.5	23.5	23.0	20.5	15.0	11.0	5.0
No. of obs.	26	27	20	26	18	27	26	31	15	26	18	15

## RAHWAY RIVER BASIN

01395000 RAHWAY RIVER AT RAHWAY, NJ

LOCATION.--Latitude 40°37'05", longitude 74°17'00", Union County, Hydrologic Unit 02030104, on left bank 100 ft upstream from St. Georges Avenue bridge in Rahway and 0.9 mi upstream from Robinsons Branch.

DRAINAGE AREA.--40.9 mi<sup>2</sup>

RECORD.--Periodic record, 1952, 1959-93

REMARKS.--Water for municipal supply diverted from river by Rahway and Orange. The flow past this station is affected by diversions by pumpege from wells by Orange, South Orange, and Short Hills Water Company, the Springfield station of Elizabethtown Water Company, and by storage in the Lenape Park flood control reservoir (since 1980).

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.0	6.0	12.5	19.0	26.0	26.0	27.0	28.0	24.0	20.5	15.5	7.0
Median	2.5	2.0	7.5	12.0	19.0	22.0	24.0	23.0	18.0	14.0	10.5	3.5
Minimum	.0	.0	3.0	7.5	12.0	18.0	16.0	17.0	13.0	9.5	2.0	2.0
25th percentile	1.0	1.0	5.5	10.5	15.5	20.0	22.0	22.0	16.0	11.5	8.5	3.0
75th percentile	4.0	4.0	9.5	15.0	20.5	23.0	25.0	24.5	19.0	16.5	12.5	4.5
No. of obs.	23	29	19	25	20	26	28	32	15	23	23	14

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RAHWAY RIVER BASIN

01396000 ROBINSONS BRANCH AT RAHWAY, NJ

LOCATION.--Latitude 40°36'20", longitude 74°17'57", Union County, Hydrologic Unit 02030104, on right bank of Milton Lake, 2,000 ft upstream from Maple Avenue in Rahway, 3,200 ft downstream from Middlesex Reservoir Dam, and 1.6 mi upstream from mouth.

DRAINAGE AREA.--21.6 mi<sup>2</sup>

RECORD.--Periodic record, 1959-71, 1973-78, 1985-93

REMARKS.--Some water diversions for municipal supply by Middlesex Water Company, from Middlesex Reservoir 1.0 mi above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	7.0	10.0	15.0	21.0	27.0	30.0	29.0	26.5	22.0	16.0	7.0
Median	2.0	2.5	5.5	12.0	19.0	22.0	26.0	25.0	21.0	15.5	9.0	4.0
Minimum	.5	.0	4.0	7.0	13.0	19.0	22.0	17.0	17.0	9.0	3.0	1.5
25th percentile	.5	.5	4.5	10.5	16.0	20.0	24.0	24.0	18.5	12.0	5.5	2.0
75th percentile	3.0	4.0	7.5	13.0	20.5	25.5	27.0	25.5	23.5	19.5	12.5	6.0
No. of obs.	15	12	12	14	13	13	17	13	13	8	12	11

## RAHWAY RIVER BASIN

01396001 ROBINSONS BRANCH RAHWAY RIVER AT MAPLE AVENUE AT RAHWAY, NJ

LOCATION.--Latitude 40°36'26", longitude 74°17'40", Union County, Hydrologic Unit 02030104, on right upstream abutment of bridge on Maple Avenue in Rahway, 2,000 ft downstream from Milton Lake, 1.0 mi downstream from Middlesex Reservoir dam, and 1.2 mi upstream from mouth.

DRAINAGE AREA.--21.6 mi<sup>2</sup>

RECORD.--Periodic record, 1978-84

REMARKS.--Water diverted for municipal supply by Middlesex Water Company, from Middlesex Reservoir, 1.0 mi above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	6.0	13.0	16.0	21.0	31.0	27.5	27.5	21.0	19.0	12.0	6.0
Median	3.5	3.5	6.0	12.5	19.5	22.0	27.0	23.0	18.0	18.5	10.0	4.5
Minimum	1.0	1.0	3.5	8.5	15.0	22.0	25.5	20.0	17.0	16.0	6.0	2.5
25th percentile	2.0	1.0	5.5	8.5	16.0	22.0	25.5	22.0	17.5	16.5	8.5	3.0
75th percentile	4.5	4.5	8.0	16.0	20.5	25.0	27.5	25.0	20.0	19.0	11.5	5.0
No. of obs.	6	7	7	2	4	6	5	7	5	4	6	7

## RARITAN RIVER BASIN

01396090 SOUTH BRANCH RARITAN RIVER AT OUTLET OF BUDD LAKE, NJ

LOCATION.--Latitude 40°51'38", longitude 74°45'38", Morris County, Hydrologic Unit 02030105, at bridge on Smithtown Road, 200 ft northwest of U.S. Route 46, and 0.5 mi downstream from Budd Lake dam.

DRAINAGE AREA.--5.03 mi<sup>2</sup>

RECORD.--Periodic record, 1973-74, 1976-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	4.5	9.0	14.5	19.5	21.0	25.0	24.5	21.0	18.0	8.0	2.5
Median	1.0	3.0	6.0	12.5	18.0	19.5	22.0	20.0	19.0	15.5	6.5	2.0
Minimum	.5	1.5	2.5	11.5	12.0	19.0	21.0	19.0	18.0	10.0	5.0	1.5
25th percentile	.5	2.0	4.0	11.5	14.5	19.0	22.0	19.0	18.0	11.0	5.0	1.5
75th percentile	3.5	4.0	9.0	14.5	19.0	20.5	23.5	24.5	21.0	18.0	8.0	2.5
No. of obs.	3	4	7	3	8	4	7	5	4	4	2	2

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01396180 DRAKES BROOK AT BARTLEY, NJ

LOCATION.--Latitude 40°48'43", longitude 74°43'45", Morris County, Hydrologic Unit 02030105, at bridge on Bartley Road, 0.2 mi upstream from mouth, 0.9 mi southwest of Bartley, and 2.5 mi northwest of Chester.

DRAINAGE AREA.--16.6 mi<sup>2</sup>

RECORD.--Periodic record, 1963-67, 1972-73, 1976-78, 1988-90

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	13.5	5.0	13.0	12.5	15.5	16.5	15.0	14.0	16.0	12.0	8.0	2.0
Median	8.5	5.0	13.0	10.0	13.5	15.0	15.0	13.5	14.5	11.5	8.0	2.0
Minimum	3.5	5.0	9.0	7.5	12.5	14.5	14.5	10.0	12.0	10.0	8.0	2.0
25th percentile	3.5	5.0	9.0	8.0	13.0	14.5	14.5	11.0	13.5	10.0	8.0	2.0
75th percentile	13.5	5.0	13.0	11.0	15.0	16.5	15.0	13.5	15.5	12.0	8.0	2.0
No. of obs.	2	1	3	6	4	3	2	4	6	3	1	1

## RARITAN RIVER BASIN

## 01396280 SOUTH BRANCH RARITAN RIVER AT MIDDLE VALLEY, NJ

LOCATION.--Latitude 40°45'40", longitude 74°49'18", Morris County, Hydrologic Unit 02030105, at bridge on Middle Valley Road, at Middle Valley, 200 ft northwest of West Mill Road (State Route 513), and 0.2 mi upstream of abandoned railroad bridge.

DRAINAGE AREA.--47.7 mi<sup>2</sup>

RECORD.--Periodic record, 1963-67, 1973, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	5.0	13.5	17.0	18.0	24.5	23.0	21.5	20.0	23.0	11.5	--
Median	1.0	.5	6.0	10.5	15.0	17.0	19.5	19.0	17.0	13.0	7.0	--
Minimum	.0	.5	2.0	8.0	11.5	12.0	17.0	15.5	13.0	6.0	3.0	--
25th percentile	.0	.5	4.0	8.5	14.0	14.0	18.5	16.5	15.5	9.0	6.5	--
75th percentile	2.5	3.5	7.5	14.0	17.0	18.0	21.0	20.0	18.5	14.5	9.5	--
No. of obs.	8	9	14	7	10	12	17	15	6	10	9	0

## RARITAN RIVER BASIN

## 01396500 SOUTH BRANCH RARITAN RIVER NEAR HIGH BRIDGE, NJ

LOCATION.--Latitude 40°40'40", longitude 74°52'46", Hunterdon County, Hydrologic Unit 02030105, on left bank 1.0 mi northeast of High Bridge, and 4.4 mi upstream from Spruce Run.

DRAINAGE AREA.--65.3 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93; continuous record, 1960-79

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	7.0	12.0	18.0	18.5	26.0	24.5	24.0	23.0	20.0	16.0	9.0
Median	1.0	2.0	5.5	10.5	14.0	19.5	21.0	21.0	17.5	10.5	6.0	3.5
Minimum	.0	.0	1.5	3.0	9.0	14.0	18.0	16.5	11.0	6.5	2.5	.0
25th percentile	.0	.5	3.5	8.0	12.5	16.5	20.0	19.0	15.5	9.0	3.5	1.0
75th percentile	3.0	4.5	6.0	13.5	16.0	21.0	22.0	22.0	20.5	13.0	9.0	6.0
No. of obs.	21	32	20	27	23	27	29	20	31	30	17	25

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	9.5	13.5	21.5	24.5	26.5	28.5	28.0	25.0	18.5	15.5	10.0
Median	1.0	2.0	5.0	10.0	15.0	18.5	20.5	20.5	16.5	11.5	6.5	2.5
Minimum	.0	.0	.0	1.0	5.5	12.0	11.5	12.0	10.0	4.0	.0	.0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01396535 SOUTH BRANCH RARITAN RIVER AT ARCH STREET AT HIGH BRIDGE, NJ

LOCATION.--Latitude 40°39'49", longitude 74°53'52", Hunterdon County, Hydrologic Unit 02030105, at bridge on Arch Street in High Bridge, 0.9 mi northeast of Mariannes Corner, 1.0 mi downstream from Lake Solitude dam, and 4.3 mi northeast of Norton.

DRAINAGE AREA.--68.8 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	6.0	10.5	14.0	19.0	22.0	24.0	24.5	20.5	15.0	10.5	4.5
Median	.0	1.0	6.0	10.5	15.0	19.0	21.0	20.5	19.0	11.0	7.5	4.0
Minimum	.0	.0	1.5	10.0	11.5	13.0	19.5	17.0	16.5	7.0	4.0	3.0
25th percentile	.0	.0	4.5	10.0	13.5	14.5	20.5	18.5	17.0	7.5	4.0	3.0
75th percentile	1.0	4.0	7.0	12.5	16.5	20.0	22.0	22.5	20.0	14.5	9.5	4.5
No. of obs.	8	8	14	5	10	11	18	15	8	10	7	2

## RARITAN RIVER BASIN

01396580 SPRUCE RUN AT GLEN GARDNER, NJ

LOCATION.--Latitude 40°41'35", longitude 74°56'25", Hunterdon County, Hydrologic Unit 02030105, on right downstream wingwall of bridge on Sanatorium Road in Glen Gardner, 0.8 mi downstream from Alpaugh Brook, and 2.0 mi upstream from Spruce Run Reservoir.

DRAINAGE AREA.--11.3 mi<sup>2</sup>

RECORD.--Periodic record, 1978-88, 1992-93

REMARKS.--Some regulation of flow from unknown sources upstream.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.0	12.0	15.0	18.0	20.0	27.5	20.5	16.5	19.0	9.5	6.5
Median	2.5	4.5	5.0	9.0	15.5	17.0	21.0	19.5	16.5	9.0	7.0	3.0
Minimum	.0	1.0	3.5	6.0	11.5	14.5	18.0	19.0	14.0	7.0	6.0	.0
25th percentile	.5	2.0	4.0	7.0	14.0	16.5	18.5	19.0	14.5	7.5	6.0	.5
75th percentile	6.0	5.5	9.5	11.5	17.0	19.0	23.0	20.5	16.5	9.5	9.0	6.0
No. of obs.	7	9	8	10	7	7	9	4	4	7	4	4

## RARITAN RIVER BASIN

01396588 SPRUCE RUN NEAR GLEN GARDNER, NJ

LOCATION.--Latitude 40°40'41", longitude 74°55'06", Hunterdon County, Hydrologic Unit 02030105, at site 800 ft downstream of Rocky Run, 0.3 mi above Van Syckel Road bridge, 1.5 mi northwest of High Bridge, and 1.6 mi southeast of Glen Gardner.

DRAINAGE AREA.--15.5 mi<sup>2</sup>

RECORD.--Periodic record, 1979-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	5.0	11.0	10.5	17.0	20.0	23.0	24.0	17.0	17.5	10.0	3.0
Median	1.5	1.5	5.0	9.5	14.5	15.5	20.0	18.5	17.0	11.5	5.5	3.0
Minimum	.0	.0	2.5	5.0	9.5	12.5	17.0	13.0	11.0	10.0	3.5	3.0
25th percentile	.5	.0	3.5	7.5	13.0	15.0	18.5	16.5	12.5	10.0	4.0	3.0
75th percentile	2.0	3.0	8.0	10.5	15.5	18.5	21.0	20.0	17.0	13.5	9.0	3.0
No. of obs.	5	9	10	6	9	8	17	16	4	9	4	1



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ

LOCATION.--Latitude 40°38'51", longitude 74°58'09", Hunterdon County, Hydrologic Unit 02030105, on left bank downstream side of bridge on Jutland Road, 0.2 mi south of Van Syckel, 0.8 mi north of Perryville, and 0.3 mi upstream from Spruce Run Reservoir.

DRAINAGE AREA.--11.8 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.5	7.5	13.0	15.5	26.0	22.0	26.5	23.5	18.5	20.0	10.5	7.5
Median	2.0	3.0	5.5	10.0	15.0	18.5	20.0	18.5	16.5	12.0	6.5	4.5
Minimum	.0	.0	1.0	5.5	11.0	13.0	16.5	13.0	11.0	9.0	2.0	1.5
25th percentile	1.0	1.5	4.0	8.5	14.5	15.5	19.0	16.5	12.0	11.0	5.0	3.0
75th percentile	3.5	5.0	6.5	12.5	16.0	20.0	21.0	20.5	17.5	13.5	7.5	7.0
No. of obs.	19	16	22	16	22	14	23	20	13	18	12	5

## RARITAN RIVER BASIN

01396800 SPRUCE RUN AT CLINTON, NJ

LOCATION.--Latitude 40°38'21", longitude 74°54'58", Hunterdon County, Hydrologic Unit 02030105, 1,800 ft downstream from dam at Spruce Run Reservoir, 0.2 mi north of Clinton, 0.3 mi upstream from mouth, and 2.2 mi southwest of High Bridge.

DRAINAGE AREA.--41.3 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93; daily record, 1968-80

REMARKS.--Flow regulated by Spruce Run Reservoir.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	5.0	11.5	18.0	23.0	24.0	28.5	27.5	28.5	20.0	14.0	7.5
Median	1.5	2.0	4.5	10.5	16.5	19.5	20.0	21.0	19.0	14.0	7.0	4.5
Minimum	.0	-.5	.0	6.0	10.5	11.0	13.0	14.0	14.5	5.0	2.0	.0
25th percentile	1.0	.5	3.0	8.5	13.5	17.0	17.5	18.5	18.0	12.0	5.5	3.0
75th percentile	2.5	3.5	6.0	12.0	18.0	21.0	24.0	23.0	20.0	16.0	9.0	5.5
No. of obs.	24	26	30	27	24	27	33	34	37	31	16	18

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.5	8.0	10.5	14.0	17.0	22.5	24.5	24.0	24.0	19.5	16.5	9.5
Median	2.5	2.5	4.5	8.0	11.5	13.5	15.0	15.0	17.0	15.0	10.0	5.0
Minimum	.0	.0	.0	3.0	8.0	10.0	10.5	11.0	11.0	7.0	3.5	.0
25th percentile	1.5	1.5	3.0	7.0	10.0	12.0	14.0	14.0	15.0	13.0	8.0	3.0
75th percentile	3.5	3.0	5.5	10.0	13.0	15.0	17.0	17.0	19.5	16.5	11.5	7.0
No. of obs.	287	308	340	330	341	330	341	341	326	307	298	310

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01397000 SOUTH BRANCH RARITAN RIVER AT STANTON, NJ

LOCATION.--Latitude 40°34'21", longitude 74°52'10", Hunterdon County, Hydrologic Unit 02030105, on right bank at downstream side of bridge on Stanton Road at Stanton Station, 0.4 mi upstream from Prescott Brook, and 1.4 mi west of Stanton.

DRAINAGE AREA.--147 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93; continuous record, 1968-79; daily record, 1959-62

REMARKS.--Flow regulated by Spruce Run Reservoir since September 1963. Occasional regulation of flow at low flows by ponds above station. Water diverted by Hamden Pumping Station, 4.0 mi upstream, into Round Valley Reservoir since February 1966. Water can be released from Round Valley Reservoir at Hamden Pumping Station since July 1990.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	9.0	9.5	19.0	21.0	27.5	29.0	27.0	26.0	19.0	15.0	9.5
Median	1.0	1.5	5.0	10.5	17.0	21.0	23.0	22.0	19.0	12.0	7.0	3.0
Minimum	.0	.0	1.0	5.5	12.0	15.0	19.0	18.0	14.5	6.5	2.0	.0
25th percentile	.0	.5	4.0	9.0	14.0	19.5	21.0	21.0	17.0	10.0	5.0	1.5
75th percentile	3.0	4.0	7.0	12.5	19.0	22.0	24.0	24.5	21.0	15.0	9.5	5.0
No. of obs.	25	40	35	37	29	40	41	37	38	35	35	29

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.5	7.5	13.0	23.5	25.5	28.5	29.5	28.0	26.0	20.5	17.5	10.5
Median	.5	1.0	5.0	11.0	16.0	20.5	22.5	22.5	18.5	13.5	7.0	3.0
Minimum	.0	.0	.0	1.0	9.0	13.0	11.5	15.0	11.5	3.5	.0	.0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	10.0	11.0	17.0	21.5	24.5	29.0	25.0	28.5	17.0	16.0	9.0
Median	.0	1.5	4.0	9.0	14.5	19.5	21.0	21.0	18.5	11.0	6.5	.5
Minimum	.0	.0	.0	4.0	9.0	15.5	18.5	18.0	12.0	4.5	.5	.0
25th percentile	.0	.0	2.0	6.5	13.0	18.5	20.0	20.5	16.5	9.5	4.5	.0
75th percentile	3.0	4.5	5.5	13.0	16.0	20.5	23.0	23.0	23.0	13.5	9.0	4.0
No. of obs.	51	49	66	62	67	62	62	65	66	62	59	47

## RARITAN RIVER BASIN

01397100 PRESCOTT BROOK AT ROUND VALLEY, NJ

LOCATION.--Latitude 40°36'28", longitude 74°50'54", Hunterdon County, Hydrologic Unit 02030105, at bridge on County Road at McPherson, 2.3 mi north of Stanton, and 3.4 mi upstream from mouth.

DRAINAGE AREA.--4.61 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82

REMARKS.--Stream temperatures may be affected by release from Round Valley Reservoir. Temperature data prior to the construction of Round Valley Reservoir was excluded.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	10.0	12.0	15.0	16.0	13.0	16.0	15.0	13.0	13.0	12.0	--
Median	8.0	6.5	9.5	10.5	12.0	8.5	12.5	14.0	12.5	10.0	10.5	--
Minimum	6.0	2.0	8.0	10.0	9.5	8.0	7.5	4.0	5.0	7.0	9.0	--
25th percentile	6.0	3.0	8.0	10.0	10.0	8.0	8.5	6.5	7.0	7.0	9.5	--
75th percentile	8.5	9.5	11.0	14.0	15.0	13.0	15.5	15.0	13.0	13.0	11.5	--
No. of obs.	3	4	5	4	7	3	4	4	4	2	4	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01397380 BUSCHKILL BROOK AT ROCKEFELLOWS MILLS, NJ

LOCATION.--Latitude 40°31'15", longitude 74°49'40", Hunterdon County, Hydrologic Unit 02030105, at bridge on unnamed road in Rockefeller Mills, 200 ft upstream from mouth, and 1.5 mi west of Three Bridges.

DRAINAGE AREA.--4.31 mi<sup>2</sup>

RECORD.--Periodic record, 1976-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	9.0	12.5	17.5	18.5	21.5	23.5	24.5	20.0	16.0	9.5	--
Median	4.5	5.0	10.5	12.5	16.5	20.5	21.5	21.5	19.0	15.0	7.0	--
Minimum	4.5	.0	6.0	8.0	15.0	18.5	18.0	17.5	14.5	13.0	3.0	--
25th percentile	4.5	1.5	6.5	10.5	15.5	19.0	19.5	18.0	16.5	13.5	3.0	--
75th percentile	4.5	7.0	12.5	14.0	18.0	21.5	23.0	23.5	20.0	16.0	9.5	--
No. of obs.	1	5	4	6	8	4	5	5	5	4	3	0

## RARITAN RIVER BASIN

01397400 SOUTH BRANCH RARITAN RIVER AT THREE BRIDGES, NJ

LOCATION.--Latitude 40°31'01", longitude 74°48'12", Hunterdon County, Hydrologic Unit 02030105, at bridge on Main Street in Three Bridges, 0.4 mi northeast of Voorhees Corner, 1.3 mi downstream of Bushkill Brook, and 2.2 mi southeast of Darts Mills.

DRAINAGE AREA.--181 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	6.0	11.5	16.5	22.5	24.0	26.5	27.0	22.0	19.0	10.5	2.0
Median	1.5	1.0	6.5	11.5	17.0	20.5	23.0	24.0	17.0	13.5	8.0	2.0
Minimum	.0	.0	2.5	7.0	13.0	15.5	18.0	20.5	15.0	10.0	3.0	2.0
25th percentile	.0	.5	5.0	8.5	15.0	17.5	22.0	22.0	15.0	10.5	3.5	2.0
75th percentile	3.5	2.0	7.5	15.0	18.5	23.0	24.5	25.0	21.0	16.5	10.0	2.0
No. of obs.	3	14	10	11	12	8	18	17	7	10	6	1

## RARITAN RIVER BASIN

01397500 WALNUT BROOK NEAR FLEMINGTON, NJ

LOCATION.--Latitude 40°30'55", longitude 74°52'52", Hunterdon County, Hydrologic Unit 02030105, on right bank 1.2 mi northwest of Flemington, and 2.3 mi upstream from mouth.

DRAINAGE AREA.--2.24 mi<sup>2</sup>

RECORD.--Periodic record, 1959-61, 1964-70, 1982, 1986, 1990

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	5.0	10.0	14.5	15.0	17.0	27.0	22.0	20.0	15.0	9.0	8.0
Median	2.5	2.0	6.0	11.0	14.0	16.5	25.0	19.5	15.5	14.0	6.0	4.5
Minimum	.0	.0	2.0	9.5	4.5	14.5	23.0	19.0	13.5	10.0	3.5	1.0
25th percentile	1.0	.5	4.0	10.0	6.5	15.5	23.0	19.0	13.5	11.5	4.0	2.5
75th percentile	4.0	4.5	8.5	13.5	15.0	17.0	27.0	21.5	19.5	15.0	8.0	7.0
No. of obs.	6	4	6	5	4	6	2	4	4	5	5	5

Table 2---Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01398000 NESHANIC RIVER AT REAVILLE, NJ

LOCATION.--Latitude 40°28'18", longitude 74°49'42", Hunterdon County, Hydrologic Unit 02030105, on left bank 50 ft downstream from bridge on Everitts Road, 0.6 mi southwest of Reaville, 1.5 mi downstream from Third Neshanic River, and 2.2 mi upstream from Back Brook.

DRAINAGE AREA.--25.7 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	8.5	13.0	18.0	26.0	27.0	29.0	30.0	26.0	24.5	11.0	7.5
Median	1.0	1.5	6.0	10.0	18.0	21.5	24.0	24.5	22.0	12.5	8.5	3.0
Minimum	.0	.0	-.5	4.0	10.0	16.0	18.0	18.0	15.5	4.5	2.0	.0
25th percentile	.0	.5	2.5	8.5	15.5	20.0	21.5	22.5	20.0	10.0	5.5	2.0
75th percentile	3.5	4.0	9.0	11.5	20.5	24.0	26.0	26.0	24.0	16.5	10.0	5.0
No. of obs.	16	29	22	25	28	22	25	29	18	30	16	17

## RARITAN RIVER BASIN

## 01398045 BACK BROOK TRIBUTARY NEAR RINGOES, NJ

LOCATION.--Latitude 40°25'41", longitude 74°49'52", Hunterdon County, Hydrologic Unit 02030106, on right upstream wingwall of bridge on Wertsville Road, 2.1 mi east of Ringoes, 1.3 mi upstream from Back Brook, and 2.3 mi southwest of Wertsville.

DRAINAGE AREA.--1.98 mi<sup>2</sup>

RECORD.--Periodic record, 1977-88, 1992

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	10.0	12.0	15.0	22.5	29.5	26.0	31.5	21.5	18.0	14.0	6.0
Median	2.0	2.5	3.0	12.5	20.0	22.5	24.0	25.5	20.0	13.0	10.5	2.0
Minimum	.0	.5	2.0	10.0	16.5	18.0	20.0	22.0	15.0	9.0	7.0	1.5
25th percentile	.5	1.0	2.0	10.5	18.0	19.5	22.0	22.0	15.0	10.0	8.5	2.0
75th percentile	4.0	8.0	9.0	15.0	22.0	27.5	24.5	31.0	21.5	16.5	11.5	5.5
No. of obs.	8	6	7	4	5	5	9	6	3	5	8	7

## RARITAN RIVER BASIN

## 01398102 SOUTH BRANCH RARITAN RIVER AT SOUTH BRANCH, NJ

LOCATION.--Latitude 40°32'48", longitude 74°41'48", Somerset County, Hydrologic Unit 02030105, at bridge on Studdiford Drive at South Branch, 0.8 mi upstream from mouth, and 2.7 mi southeast of Readington.

DRAINAGE AREA.--265 mi<sup>2</sup>

RECORD.--Periodic record, 1976-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	8.5	19.0	20.5	26.0	26.0	26.5	23.0	15.0	5.0	7.0	--
Median	1.5	7.5	11.0	17.0	25.0	24.5	22.0	21.5	12.0	5.0	5.0	--
Minimum	.0	5.0	8.0	14.5	18.5	20.0	21.0	16.0	11.5	5.0	3.0	--
25th percentile	.0	5.5	8.5	15.5	18.5	21.5	21.0	16.0	11.5	5.0	3.0	--
75th percentile	4.5	8.5	16.5	18.5	26.0	25.5	26.0	23.0	15.0	5.0	7.0	--
No. of obs.	6	4	5	8	3	6	5	3	3	1	2	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01398107 HOLLAND BROOK AT READINGTON, NJ

LOCATION.--Latitude 40°33'30", longitude 74°43'50", Somerset County, Hydrologic Unit 02030105, on right bank 15 ft downstream from bridge on Old York Road, 0.9 mi southeast of Readington, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--9.00 mi<sup>2</sup>

RECORD.--Periodic record, 1978-90, 1992-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.5	5.0	14.0	15.0	19.5	22.0	27.0	27.0	22.0	18.0	12.0	7.0
Median	3.5	4.0	9.0	10.5	14.0	21.5	25.5	22.0	19.0	13.0	11.0	2.0
Minimum	.0	2.0	4.5	7.5	12.0	17.5	21.5	17.5	18.0	11.5	8.0	1.5
25th percentile	2.5	2.0	6.0	8.0	14.0	20.0	24.0	19.0	18.5	12.0	9.0	1.5
75th percentile	5.0	5.0	13.0	11.5	17.5	22.0	26.5	25.0	21.5	17.5	11.0	5.0
No. of obs.	8	6	8	7	7	6	6	6	7	5	7	6

## RARITAN RIVER BASIN

01398260 NORTH BRANCH RARITAN RIVER NEAR CHESTER, NJ

LOCATION.--Latitude 40°46'16", longitude 74°37'34", Morris County, Hydrologic Unit 02030105, at bridge on State Route 24, 0.8 mi upstream from Burnett Brook, and 3.8 mi east of Chester.

DRAINAGE AREA.--7.57 mi<sup>2</sup>

RECORD.--Periodic record, 1963-67, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.5	12.0	15.0	20.0	19.0	22.0	22.5	18.0	16.5	11.0	1.0
Median	2.0	1.5	6.5	10.0	15.0	15.5	19.5	20.5	14.5	11.5	8.0	1.0
Minimum	.0	.5	3.0	6.5	10.0	12.5	15.5	16.5	10.5	5.5	5.0	1.0
25th percentile	.5	1.0	5.0	8.5	13.0	13.5	17.5	18.5	13.0	7.5	7.0	1.0
75th percentile	2.5	4.0	8.0	12.0	15.0	18.0	21.0	21.0	16.0	13.5	11.0	1.0
No. of obs.	7	9	12	10	15	7	17	16	9	11	7	1

## RARITAN RIVER BASIN

01398500 NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, NJ

LOCATION.--Latitude 40°42'30", longitude 74°38'11", Somerset County, Hydrologic Unit 02030105, on left bank 75 ft upstream from Ravine Lake Dam, 1.6 mi north of Far Hills, and 2.3 mi upstream from Peapack Brook.

DRAINAGE AREA.--26.2 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

REMARKS.--Diversion by small turbine at dam and returned to river 1,000 ft downstream from Ravine Lake Dam. Flow regulated occasionally by operation of waste gate in dam.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	5.0	10.0	20.0	20.0	24.0	27.5	26.0	26.5	18.5	12.0	6.0
Median	1.5	1.5	4.0	11.0	15.5	19.0	24.0	24.0	19.5	14.0	7.5	3.0
Minimum	.0	.0	.0	5.5	11.0	15.0	20.0	20.5	13.5	8.5	4.0	.0
25th percentile	.5	.5	3.0	8.5	13.0	17.0	22.0	22.0	17.0	11.0	6.0	2.0
75th percentile	2.5	3.5	6.0	12.0	18.0	21.0	25.5	25.0	20.0	15.5	10.0	4.0
No. of obs.	18	25	25	25	27	23	27	25	25	17	25	25

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01399120 NORTH BRANCH RARITAN RIVER AT BURNT MILLS, NJ

LOCATION.--Latitude 40°38'09", longitude 74°40'56", Somerset County, Hydrologic Unit 02030105, at bridge on Burnt Mills Road in Burnt Mills, 0.1 mi upstream from Lamington River, and 4.0 mi southwest of Far Hills.

DRAINAGE AREA.--63.8 mi<sup>2</sup>

RECORD.--Periodic record, 1963, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	7.0	10.0	13.5	26.0	25.0	28.0	26.0	22.5	18.5	11.5	2.0
Median	3.0	1.5	5.0	10.5	17.5	17.5	22.5	21.5	18.0	13.0	7.5	1.5
Minimum	2.0	.0	1.5	5.0	11.5	14.5	18.0	17.0	15.0	9.5	3.0	.5
25th percentile	2.0	.0	3.5	7.5	15.0	16.0	21.0	20.0	15.0	12.5	5.0	.5
75th percentile	3.5	3.5	8.0	11.5	20.0	22.0	25.0	23.0	22.0	14.5	9.0	2.0
No. of obs.	4	12	12	14	14	14	20	15	7	9	13	7

## RARITAN RIVER BASIN

01399190 LAMINGTON (BLACK) RIVER AT SUCCASUNNA, NJ

LOCATION.--Latitude 40°51'03", longitude 74°38'02", Morris County, Hydrologic Unit 02030105, bridge on Righter Road, 0.7 mi south of Succasunna, and 0.4 mi upstream from Succasunna Brook.

DRAINAGE AREA.--7.37 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	5.0	8.0	17.5	23.5	27.5	29.0	25.5	23.5	17.5	12.0	8.0
Median	2.5	3.5	6.0	11.5	20.5	21.5	26.0	23.0	19.0	15.0	9.0	4.0
Minimum	.0	1.0	2.5	6.0	15.5	17.0	21.5	19.0	16.0	10.5	6.5	1.5
25th percentile	1.5	2.0	4.5	9.0	16.0	18.5	23.5	22.0	17.0	12.0	7.0	2.0
75th percentile	4.0	4.5	7.5	14.5	23.0	24.0	28.0	24.0	23.0	16.5	10.5	5.0
No. of obs.	11	8	10	11	12	10	5	11	11	10	6	8

## RARITAN RIVER BASIN

01399200 LAMINGTON (BLACK) RIVER NEAR IRONIA, NJ

LOCATION.--Latitude 40°50'07", longitude 74°38'40", Morris County, Hydrologic Unit 02030105, at bridge no. 742 on Ironia Road, 1.0 mi below Succasunna Brook, 1.3 mi northwest of Ironia, and 4.4 mi northeast of Chester.

DRAINAGE AREA.--10.9 mi<sup>2</sup>

RECORD.--Periodic record, 1963-68, 1970-73, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	8.0	13.0	19.0	24.0	26.0	29.0	26.5	23.5	16.5	13.0	9.0
Median	2.0	1.5	6.0	10.0	17.0	20.0	22.0	21.0	18.0	12.5	7.0	2.5
Minimum	-.5	.0	1.0	6.0	12.0	15.0	16.5	18.0	13.0	7.5	5.0	.0
25th percentile	.5	.0	3.5	8.0	15.0	19.0	20.5	19.5	15.0	9.0	5.5	1.0
75th percentile	3.5	5.0	7.0	14.5	19.5	22.0	23.5	23.0	20.5	13.0	10.0	4.0
No. of obs.	14	19	22	29	26	18	22	29	24	24	12	9

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01399500 LAMINGTON (BLACK) RIVER NEAR POTTERSVILLE, NJ

LOCATION.--Latitude 40°43'39", longitude 74°43'50", Morris County, Hydrologic Unit 02030105, on right bank 1.1 mi upstream from bridge on State Highway 512, 1.2 mi northwest of Pottersville, and 5.5 mi upstream from Cold Brook. Water-quality samples collected at bridge 1.1 mi downstream from gage at high flows.

DRAINAGE AREA.--32.8 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

REMARKS.--Flow regulated occasionally by pond above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	4.5	14.5	16.5	20.0	21.0	24.5	24.5	19.5	16.5	13.0	6.5
Median	1.5	1.0	6.5	9.0	16.0	18.5	20.5	20.5	16.5	10.5	5.5	3.0
Minimum	.0	.0	1.5	5.0	4.5	13.5	16.5	16.0	12.5	4.5	2.0	.5
25th percentile	.0	.0	4.0	6.5	13.5	16.0	19.0	18.5	15.0	9.0	4.0	1.0
75th percentile	2.5	2.0	7.0	11.0	19.0	20.5	22.0	21.0	17.5	13.0	9.5	5.0
No. of obs.	13	29	21	19	29	22	39	30	22	28	21	17

## RARITAN RIVER BASIN

## 01399510 UPPER COLD BROOK NEAR POTTERSVILLE, NJ

LOCATION.--Latitude 40°43'16", longitude 74°45'09", Hunterdon County, Hydrologic Unit 02030105, on right bank along a private dirt road, 400 ft downstream from the former Pottersville Reservoir, and 1.5 mi west of Pottersville.

DRAINAGE AREA.--2.18 mi<sup>2</sup>

RECORD.--Periodic record, 1972-93

REMARKS.--Flow regulated by Pottersville Reservoir, 400 ft above station, until August 1982 when dam was demolished.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	6.0	8.0	16.0	19.0	19.5	25.0	26.0	20.0	16.0	13.0	7.5
Median	3.0	1.5	6.0	10.0	15.0	19.0	19.0	20.0	16.0	10.5	8.0	3.5
Minimum	.5	.0	4.0	6.0	10.0	11.0	16.0	17.5	10.5	7.5	5.0	1.0
25th percentile	1.0	.5	4.0	8.0	12.0	14.5	17.5	18.5	15.0	10.0	6.5	2.5
75th percentile	3.5	3.0	7.5	13.0	17.0	17.5	21.0	21.5	19.0	11.0	11.0	6.0
No. of obs.	9	15	7	9	12	13	12	12	13	11	6	12

## RARITAN RIVER BASIN

## 01399525 AXLE BROOK NEAR POTTERSVILLE, NJ

LOCATION.--Latitude 40°41'40", longitude 74°43'05", Somerset County, Hydrologic Unit 02030105, on right upstream wingwall of bridge on Black River Road, 1.3 mi south of Pottersville, and 0.3 mi upstream from mouth.

DRAINAGE AREA.--1.22 mi<sup>2</sup>

RECORD.--Periodic record, 1977-88, 1992

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.5	9.0	13.5	18.5	20.0	25.5	24.0	23.0	13.0	9.0	4.5
Median	.5	2.0	6.0	9.5	15.0	17.0	21.5	21.0	17.5	10.0	6.5	2.0
Minimum	.5	.0	2.0	7.0	13.0	15.5	15.5	19.0	13.0	7.5	1.5	.5
25th percentile	.5	.0	4.0	7.5	13.5	15.5	20.0	20.0	14.5	8.5	2.5	.5
75th percentile	2.5	4.5	6.0	12.5	17.5	19.5	23.0	23.5	20.0	12.5	8.5	4.5
No. of obs.	5	5	7	4	4	4	10	6	8	9	4	7

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01399545 LAMINGTON RIVER AT LAMINGTON, NJ

LOCATION.--Latitude 40°39'38", longitude 74°43'46", Somerset County, Hydrologic Unit 02030105, 0.4 mi downstream from Cold Brook, 0.6 mi west of Lamington, and 3.8 mi south of Potterstown.

DRAINAGE AREA.--53.6 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.0	0.5	10.0	12.5	21.0	20.0	25.0	23.0	19.0	16.0	8.5	--
Median	1.0	.0	6.0	11.0	15.5	19.0	24.0	19.0	18.0	13.5	3.0	--
Minimum	1.0	.0	4.0	10.0	11.0	18.0	18.5	19.0	17.5	11.0	2.0	--
25th percentile	1.0	.0	4.0	10.5	11.5	18.0	20.0	19.0	17.5	11.0	2.0	--
75th percentile	1.0	.0	10.0	12.0	19.5	20.0	25.0	22.0	19.0	16.0	8.5	--
No. of obs.	1	7	3	4	5	2	4	4	3	2	3	0

## RARITAN RIVER BASIN

## 01399550 LAMINGTON RIVER NEAR WHITEHOUSE, NJ

LOCATION.--Latitude 40°38'02", longitude 74°43'38", Hunterdon County, Hydrologic Unit 02030105, on right bank at bridge on Halls Bridge Road, 1.1 mi upstream from Rockaway Creek, 1.5 mi northeast of Whitehouse, and 2.1 mi west of Burnt Mills.

DRAINAGE AREA.--57.3 mi<sup>2</sup>

RECORD.--Periodic record, 1963, 1976-78

REMARKS.--Site was sampled as part of a project to study the effect of supplemental releases from Round Valley Reservoir to the South Branch Rockaway Creek.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.5	6.0	11.0	14.5	21.0	27.0	20.0	14.0	8.0	1.0	--	--
Median	1.5	4.0	3.5	14.5	19.0	23.0	20.0	11.5	7.0	1.0	--	--
Minimum	1.5	2.0	2.5	14.5	14.0	19.5	20.0	9.0	5.0	1.0	--	--
25th percentile	1.5	2.0	2.5	14.5	14.5	20.5	20.0	9.0	5.0	1.0	--	--
75th percentile	1.5	6.0	7.5	14.5	20.5	25.5	20.0	14.0	8.0	1.0	--	--
No. of obs.	1	2	5	1	6	5	1	2	4	1	0	0

## RARITAN RIVER BASIN

## 01399575 ROCKAWAY CREEK NEAR POTTERSTOWN, NJ

LOCATION.--Latitude 40°38'36", longitude 74°45'38", Hunterdon County, Hydrology Unit 02030105, at bridge on State Highway 423, 1.3 mi south of McCrea Mills, 1.6 mi upstream from South Branch Rockaway Creek, and 2.0 mi east of Potterstown.

DRAINAGE AREA.--18.5 mi<sup>2</sup>

RECORD AVAILABLE.--Periodic record, 1976-78

REMARKS.--Site was sampled as part of a project to study the effects of supplemental releases from Round Valley Reservoir to the South Branch Rockaway Creek.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.5	10.5	11.0	18.0	21.5	25.5	19.0	9.0	9.5	1.0	--	--
Median	5.5	3.5	11.0	18.0	17.0	21.5	19.0	9.0	6.5	.5	--	--
Minimum	3.5	3.0	11.0	18.0	13.0	18.5	19.0	9.0	5.0	.0	--	--
25th percentile	3.5	3.0	11.0	18.0	14.0	19.0	19.0	9.0	5.5	.0	--	--
75th percentile	7.5	7.0	11.0	18.0	19.5	23.5	19.0	9.0	9.0	1.0	--	--
No. of obs.	2	5	1	1	8	5	1	1	5	2	0	0



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01399600 SOUTH BRANCH ROCKAWAY CREEK TRIBUTARY AT LEBANON, NJ

LOCATION.--Latitude 40°38'05", longitude 74°49'58", Hunterdon County, Hydrologic Unit 02030105, at bridge on secondary road, 0.1 mi south of tracks of Central Railroad of New Jersey, 0.5 mi southeast of Lebanon, and 0.6 mi upstream from mouth.

DRAINAGE AREA.--1.02 mi<sup>2</sup>

RECORD.--Periodic record, 1960-63, 1976-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	8.0	16.0	17.0	16.0	17.0	18.0	15.0	28.0	12.5	12.0	--
Median	8.0	7.5	9.5	11.5	12.0	14.0	13.0	13.5	12.0	11.0	8.5	--
Minimum	8.0	3.0	8.0	11.5	9.5	10.0	10.5	12.5	11.0	10.0	4.5	--
25th percentile	8.0	3.0	8.0	11.5	10.0	10.0	11.5	12.5	11.0	10.0	4.5	--
75th percentile	8.0	8.0	12.5	15.5	15.0	17.0	14.5	15.0	24.0	12.5	12.0	--
No. of obs.	1	3	6	5	7	3	6	4	5	3	3	0

## RARITAN RIVER BASIN

## 01399670 SOUTH BRANCH ROCKAWAY CREEK AT WHITEHOUSE STATION, NJ

LOCATION.--Latitude 40°37'10", longitude 74°46'30", Hunterdon County, Hydrologic Unit 02030105, on right bank 1,700 ft upstream from bridge on U.S. Route 22, 0.4 mi northeast of Whitehouse Station, and 0.8 mi upstream from mouth.

DRAINAGE AREA.--12.3 mi<sup>2</sup>

RECORD.--Periodic record, 1982-93

REMARKS.--Releases from Round Valley Reservoir enter stream directly above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.5	4.5	9.5	11.5	19.0	26.0	28.0	27.5	22.0	18.0	10.0	5.0
Median	4.5	3.5	6.0	9.5	14.0	22.5	26.0	25.5	19.5	15.0	7.0	4.0
Minimum	3.5	3.0	5.0	8.0	13.0	18.5	22.0	23.0	16.0	13.0	5.0	4.0
25th percentile	4.0	3.0	5.0	8.5	13.0	19.5	23.5	23.0	16.5	13.5	6.5	4.0
75th percentile	7.5	4.5	9.0	11.0	17.0	25.5	26.5	27.5	22.0	17.5	10.0	5.0
No. of obs.	5	3	4	4	5	4	6	2	4	4	7	3

## RARITAN RIVER BASIN

## 01399690 SOUTH BRANCH ROCKAWAY CREEK AT WHITEHOUSE, NJ

LOCATION.--Latitude 40°37'24", longitude 74°46'01", Hunterdon County, Hydrologic Unit 02030105, at bridge on U.S. Route 22, 0.3 mi upstream from mouth, 0.6 mi north of Whitehouse Station, and 0.9 mi west of Whitehouse.

DRAINAGE AREA.--13.2 mi<sup>2</sup>

RECORD.--Periodic record, 1963-67, 1976-86; continuous record, 1977-78

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	6.0	11.0	17.5	23.0	26.5	31.0	27.5	22.0	16.5	12.5	6.0
Median	1.5	1.5	5.0	12.0	15.5	22.0	24.0	24.0	20.0	13.5	8.0	4.0
Minimum	.0	.0	.5	7.0	10.5	16.5	17.5	15.5	16.0	10.5	2.5	.5
25th percentile	1.0	.5	2.5	10.5	12.5	20.0	22.0	18.5	19.0	12.0	6.0	3.5
75th percentile	3.0	4.0	9.0	14.5	19.0	23.5	27.0	26.5	21.0	16.0	10.5	5.0
No. of obs.	16	20	16	17	18	26	19	13	9	11	14	8

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	3.5	11.5	17.5	26.5	29.0	31.5	29.0	27.5	18.5	15.5	6.0
Median	.0	.0	2.5	11.5	16.0	23.0	24.5	24.0	19.5	13.0	9.0	2.5
Minimum	.0	.0	.0	6.5	10.0	15.5	16.0	17.5	12.5	7.5	1.0	.0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01399700 ROCKAWAY CREEK AT WHITEHOUSE, NJ

LOCATION.--Latitude 40°37'49", longitude 74°44'11", Hunterdon County, Hydrologic Unit 02030105, on right bank at bridge on Lamington Road, 1.4 mi northeast of Whitehouse, and 1.8 mi upstream from mouth.

DRAINAGE AREA.--37.1 mi<sup>2</sup>

RECORD.--Periodic record, 1959-65, 1973, 1976-93; continuous record, 1977-78

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	9.5	12.0	18.5	22.5	26.0	29.0	27.0	27.5	19.5	12.0	6.5
Median	.5	1.0	5.5	11.0	15.5	20.0	22.5	22.0	18.5	13.0	7.5	2.0
Minimum	.0	.0	.0	5.0	10.0	15.0	17.0	15.5	15.0	9.0	.0	.5
25th percentile	.5	.0	3.5	8.5	13.5	18.0	21.0	20.5	15.0	10.5	4.0	1.0
75th percentile	2.5	3.5	8.0	14.5	18.0	22.0	24.5	24.0	22.0	15.5	10.5	4.5
No. of obs.	17	28	29	25	30	32	38	26	15	21	19	9

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	3.0	12.0	18.5	25.5	28.5	32.5	28.5	28.0	17.5	16.5	6.5
Median	.0	.0	3.0	10.5	16.5	20.5	22.5	22.0	18.0	11.0	7.5	2.5
Minimum	.0	.0	.0	5.0	9.0	13.5	14.5	16.0	10.0	6.5	1.0	.0

## RARITAN RIVER BASIN

01399760 LAMINGTON RIVER AT LAMINGTON ROAD NEAR NORTH BRANCH, NJ

LOCATION.--Latitude 40°37'20", longitude 74°42'02", Hunterdon County, Hydrologic Unit 02030105, on right bank at bridge on Lamington Road, 1.6 mi northwest of North Branch, 1.7 mi upstream from mouth, and 2.4 mi east of Whitehouse.

DRAINAGE AREA.--97.6 mi<sup>2</sup>

RECORD.--Periodic record, 1977-78

REMARKS.--Site was sampled as part of a project to study the effects of supplemental releases from Round Valley Reservoir to the South Branch Rockaway Creek.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.5	6.5	10.5	16.5	23.0	24.5	21.0	10.5	--	--	--	--
Median	1.5	6.5	4.5	16.5	19.5	22.5	21.0	9.0	--	--	--	--
Minimum	1.5	6.5	2.0	16.5	17.0	20.5	21.0	6.0	--	--	--	--
25th percentile	1.5	6.5	2.0	16.5	17.5	21.0	21.0	7.0	--	--	--	--
75th percentile	1.5	6.5	10.5	16.5	22.0	24.5	21.0	10.0	--	--	--	--
No. of obs.	1	1	3	1	4	6	1	5	0	0	0	0

## RARITAN RIVER BASIN

01399780 LAMINGTON RIVER AT BURNT MILLS, NJ

LOCATION.--Latitude 40°38'04", longitude 74°41'13", Somerset County, Hydrologic Unit 02030105, at bridge on Burnt Mills Road in Burnt Mills, 1,400 ft upstream from mouth, and 2.4 mi southwest of Greater Cross Roads.

DRAINAGE AREA.--100 mi<sup>2</sup>

RECORD.--Periodic record, 1963, 1973, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	7.0	11.0	17.5	27.0	23.5	25.5	27.0	24.0	18.0	11.5	2.0
Median	1.5	.5	3.0	11.0	16.5	18.5	22.5	22.5	18.5	12.5	8.0	2.0
Minimum	.0	.0	.5	5.0	12.0	14.0	20.0	15.0	15.0	8.0	3.5	2.0
25th percentile	.0	.0	2.0	8.0	15.0	15.0	21.5	20.5	16.5	10.0	5.0	2.0
75th percentile	3.5	1.5	5.5	13.0	18.5	23.0	25.0	23.5	22.0	15.5	9.5	2.0
No. of obs.	4	11	11	13	14	10	23	14	6	10	14	1

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01399830 NORTH BRANCH RARITAN RIVER AT NORTH BRANCH, NJ

LOCATION.--Latitude 40°36'00", longitude 74°40'27", Somerset County, Hydrologic Unit 02030105, on right bank 5 ft upstream from bridge on State Highway 28 in North Branch, 0.1 mi south of River Brook, and 3.6 mi upstream from confluence with South Branch Raritan River.

DRAINAGE AREA.--174 mi<sup>2</sup>

RECORD.--Periodic record, 1977-81, 1986, 1993

REMARKS.--Flow regulated by Round Valley Reservoir.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.0	7.0	10.0	14.0	20.5	25.0	29.0	23.5	21.0	16.5	9.0	3.0
Median	.0	3.0	8.5	10.0	16.5	21.5	25.0	22.0	19.0	16.0	7.5	2.0
Minimum	.0	.0	6.5	8.0	12.5	17.0	21.5	20.0	17.0	15.5	1.5	.0
25th percentile	.0	.0	6.5	8.5	15.0	18.0	22.0	20.5	17.0	15.5	4.5	.0
75th percentile	.0	6.5	10.0	13.0	18.5	24.5	29.0	23.5	21.0	16.5	8.5	3.0
No. of obs.	1	4	2	4	6	4	5	4	2	2	7	3

## RARITAN RIVER BASIN

## 01400000 NORTH BRANCH RARITAN RIVER NEAR RARITAN, NJ

LOCATION.--Latitude 40°34'10", longitude 74°40'45", Somerset County, Hydrologic Unit 02030105, on right bank, 400 ft upstream from U.S. Highway 202, 1.4 mi upstream from confluence with South Branch, and 2.7 mi west of Raritan.

DRAINAGE AREA.--190 mi<sup>2</sup>

RECORD.--1959-84, 1986-93

REMARKS.--Releases from Round Valley Reservoir enter basin upstream of gage.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	6.0	10.0	19.5	21.5	26.5	30.0	27.0	25.5	20.0	14.0	7.0
Median	1.5	1.0	6.0	11.0	16.0	22.0	24.0	24.0	18.5	11.5	8.0	2.5
Minimum	.0	.0	1.5	4.0	12.0	14.0	18.0	19.0	13.0	2.0	3.0	.0
25th percentile	.5	.0	4.5	8.0	14.5	18.5	21.5	22.0	17.0	9.0	6.0	1.0
75th percentile	3.5	2.0	7.0	14.0	18.0	23.5	26.0	25.0	21.0	14.0	11.0	3.5
No. of obs.	20	22	24	22	18	21	23	25	25	24	21	25

## RARITAN RIVER BASIN

## 01400120 RARITAN RIVER AT RARITAN, NJ

LOCATION.--Latitude 40°33'52", longitude 74°38'10", Somerset County, Hydrologic Unit 02030105, at bridge on South Branch-Raritan Road in Raritan, 1.7 mi upstream from Peters Brook, 3.5 mi northeast of South Branch, and 3.6 mi southeast of North Branch.

DRAINAGE AREA.--474 mi<sup>2</sup>

RECORD.--Periodic record, 1977-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	7.0	13.0	11.0	24.0	25.0	28.5	28.0	17.0	20.0	11.0	2.5
Median	.0	3.0	7.5	10.0	17.5	20.0	25.0	24.5	16.5	15.0	7.0	1.5
Minimum	.0	.0	3.5	7.5	13.5	12.5	19.0	20.0	16.0	9.0	4.5	.5
25th percentile	.0	1.5	4.5	8.0	15.0	19.5	22.5	21.5	16.0	11.0	5.0	.5
75th percentile	2.5	7.0	10.0	10.5	20.0	22.0	27.5	26.5	17.0	15.5	10.0	2.5
No. of obs.	9	9	8	9	13	8	16	17	4	11	5	2

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01400300 PETERS BROOK NEAR RARITAN, NJ

LOCATION.--Latitude 40°35'37", longitude 74°37'51", Somerset County, Hydrologic Unit 02030105, on left bank 12 ft upstream from bridge on Garretson Road, 1.5 mi north of Raritan, and 2.5 mi from mouth.

DRAINAGE AREA.--4.19 mi<sup>2</sup>

RECORD.--Periodic record, 1978-84, 1986-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.5	7.0	9.0	19.5	19.0	24.5	32.5	25.5	20.0	21.0	15.5	9.0
Median	1.5	2.0	8.5	11.0	18.0	20.0	25.5	23.5	19.0	13.0	9.5	2.0
Minimum	.0	.5	6.0	8.0	15.0	14.5	21.0	22.0	17.0	7.5	6.0	.5
25th percentile	1.0	.5	7.0	9.0	15.5	18.0	22.0	22.0	18.0	10.5	8.5	1.0
75th percentile	3.0	4.5	9.0	14.0	18.5	23.0	28.0	25.5	20.0	18.5	12.0	4.0
No. of obs.	8	7	5	8	5	7	6	4	5	5	8	7

## RARITAN RIVER BASIN

01400350 MACS BROOK AT SOMERVILLE, NJ

LOCATION.--Latitude 40°34'26", longitude 74°37'06", Somerset County, Hydrologic Unit 02030105, on left upstream wingwall of culvert under access road from U.S. Highway 22 west to U.S. Highways 202 and 206, 1,200 ft upstream from Peters Brook, and 0.4 mi north of Somerville.

DRAINAGE AREA.--0.77 mi<sup>2</sup>

RECORD.--Periodic record, 1982-93

REMARKS.--Some regulation of flow from detention pond directly upstream.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.0	7.0	8.0	13.0	20.0	23.5	26.0	25.0	22.0	14.5	16.0	10.0
Median	2.5	4.0	7.5	9.5	13.5	19.0	25.0	23.5	20.0	12.0	11.5	5.5
Minimum	.0	.5	7.0	7.0	12.5	15.0	19.0	22.0	14.0	9.5	10.0	1.5
25th percentile	.5	2.5	7.0	9.0	12.5	18.0	20.5	22.5	17.0	9.5	10.0	1.5
75th percentile	8.5	6.0	8.0	11.0	18.5	23.0	25.5	24.5	22.0	14.5	14.0	8.0
No. of obs.	4	5	2	8	4	9	6	5	6	2	5	5

## RARITAN RIVER BASIN

01400500 RARITAN RIVER AT MANVILLE, NJ

LOCATION.--Latitude 40°33'18", longitude 74°35'02", Somerset County, Hydrologic Unit 02030105, on left bank at downstream side of bridge on North Main Street (Finderne Avenue) at Manville, and 1.4 mi upstream from Millstone River.

DRAINAGE AREA.--490 mi<sup>2</sup>

RECORD.--Periodic record, 1966-93

REMARKS.--Flow regulated by Spruce Run and Round Valley Reservoirs. Diversion to Round Valley Reservoir since March 1966. Prior to Sept. 1, 1986, water diverted 1,500 ft upstream from station by Johns-Manville Corporation and returned to river 600 ft downstream from Millstone River.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.0	14.0	23.0	27.0	29.5	30.5	29.0	25.0	21.0	17.0	6.0
Median	1.0	2.0	6.5	11.0	17.0	23.5	25.0	25.0	20.0	14.5	8.0	2.0
Minimum	.0	.0	1.5	7.0	12.0	18.0	18.0	19.0	15.0	7.0	1.0	.0
25th percentile	.0	.5	5.0	10.0	15.5	21.0	23.5	22.5	17.5	11.5	5.5	1.5
75th percentile	2.5	4.5	8.5	12.5	21.0	25.0	26.0	25.5	23.0	16.0	11.0	4.5
No. of obs.	27	27	35	28	30	28	31	38	26	35	28	17

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01400510 RARITAN RIVER NEAR MANVILLE, NJ

LOCATION.--Latitude 40°32'34", longitude 74°34'03", Somerset County, Hydrologic Unit 02030105, water-quality recorder 400 ft above confluence with Millstone River about 1.4 mi below gaging station, near Manville.

DRAINAGE AREA.--497 mi<sup>2</sup>

RECORD.--Periodic record, 1967-75, 1978-79; continuous record, 1967-74

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	4.0	8.0	18.0	23.5	25.0	30.0	26.5	22.0	20.0	22.0	6.0
Median	1.0	2.0	8.0	14.0	17.0	21.5	24.5	23.5	21.0	12.5	7.0	1.5
Minimum	.0	.5	4.5	8.5	15.5	18.0	23.0	21.0	14.0	7.0	4.0	.0
25th percentile	.5	1.0	5.5	11.5	16.5	19.5	24.0	21.5	18.5	11.0	6.0	.5
75th percentile	2.0	3.5	8.0	16.0	20.0	23.0	28.5	26.0	21.5	18.5	11.5	6.0
No. of obs.	9	7	5	10	7	10	9	7	8	6	7	8

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	6.5	12.5	17.0	21.5	28.5	26.5	26.5	27.0	21.0	13.5	10.0
Median	2.0	2.0	6.5	10.0	15.0	20.0	23.0	23.0	20.0	16.5	9.5	5.0
Minimum	.0	.5	.0	5.0	9.5	15.0	20.5	20.5	14.5	11.5	3.5	.0

## RARITAN RIVER BASIN

01400540 MILLSTONE RIVER NEAR MANALAPAN, NJ

LOCATION.--Latitude 40°15'44", longitude 74°25'13", Monmouth County, Hydrologic Unit 02030105, at bridge on State Route 33, 1.3 mi west of Manalapan, 5.5 mi east of Hightstown, and 8.4 mi above Rocky Brook.

DRAINAGE AREA.--7.37 mi<sup>2</sup>

RECORD.--Periodic record, 1960-64, 1971, 1981-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.0	7.5	8.5	15.5	16.0	24.0	23.5	25.0	25.0	17.0	10.0	--
Median	2.5	1.0	6.0	12.0	15.0	19.5	20.0	20.0	18.0	12.0	7.0	--
Minimum	.0	.0	5.0	8.5	9.5	17.5	15.5	17.0	15.0	8.0	3.0	--
25th percentile	.0	.5	5.0	9.5	11.5	18.0	18.0	18.5	16.0	9.5	4.0	--
75th percentile	9.0	4.5	8.0	15.0	15.5	20.0	22.5	21.0	20.0	14.0	9.5	--
No. of obs.	3	9	7	8	5	10	16	12	11	6	4	0

## RARITAN RIVER BASIN

01400560 MILLSTONE RIVER AT APPLGARTH, NJ

LOCATION.--Latitude 40°16'28", longitude 74°28'22", Middlesex County, Hydrologic Unit 02030105, at bridge on Prospect Plains-Applegarth Road, 0.3 mi south of Applegarth, 2.7 mi east of Hightstown, and 5.2 mi above Rocky Brook.

DRAINAGE AREA.--15.0 mi<sup>2</sup>

RECORD.--Periodic record, 1960-64, 1971, 1975-81

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	0.0	9.0	20.0	18.5	22.5	25.0	22.5	22.0	17.5	13.0	7.5
Median	2.0	.0	7.0	11.0	13.5	19.5	21.0	20.0	18.5	11.0	6.5	7.0
Minimum	.5	.0	3.0	6.5	10.0	16.5	18.0	19.5	17.0	9.0	2.0	6.5
25th percentile	.5	.0	5.0	6.5	11.0	17.0	19.0	20.0	17.0	9.5	2.0	6.5
75th percentile	3.5	.0	8.0	19.0	16.5	22.0	23.5	22.5	22.0	16.0	13.0	7.5
No. of obs.	2	3	5	4	6	4	5	5	3	4	3	2

Table 2...Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01400650 MILLSTONE RIVER AT GROVERS MILL, NJ

LOCATION.--Latitude 40°19'19", longitude 74°36'31", Mercer County, Hydrologic Unit 02030105, at bridge on Millstone Road in Grovers Mill, 0.3 mi upstream from Cranbury Brook, and 2.7 mi north of Dutch Neck.

DRAINAGE AREA.--43.4 mi<sup>2</sup>

RECORD.--Periodic record, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	6.0	14.5	14.0	26.0	26.0	29.0	26.5	21.0	18.5	15.0	--
Median	3.5	2.5	9.0	13.0	19.0	22.0	24.0	23.0	18.5	15.5	8.5	--
Minimum	.0	.0	4.5	10.0	13.5	17.5	20.5	20.0	17.0	13.0	4.5	--
25th percentile	.5	1.0	8.0	12.5	17.0	19.5	23.0	22.5	18.0	14.0	6.5	--
75th percentile	5.0	3.0	11.5	13.5	22.0	24.5	26.0	24.0	20.5	17.5	13.5	--
No. of obs.	8	10	11	8	7	14	16	15	6	10	6	0

## RARITAN RIVER BASIN

## 01400730 MILLSTONE RIVER AT PLAINSBORO, NJ

LOCATION.--Latitude 40°19'27", longitude 74°36'51", Mercer County, Hydrologic Unit 02030105, on left bank, 30 ft upstream from bridge on Penn Central Railroad, 100 ft downstream from Cranbury Brook, 0.2 mi upstream from Bear Brook, and 0.9 mi southwest of Plainsboro.

DRAINAGE AREA.--65.8 mi<sup>2</sup>

RECORD.--Periodic record, 1963-75, 1987-89, 1992

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	9.0	9.0	19.0	21.5	26.0	28.0	28.0	20.5	17.5	14.0	7.5
Median	1.0	2.5	8.0	13.0	19.5	21.0	24.0	23.5	18.5	14.0	10.5	5.0
Minimum	.0	.5	1.0	6.5	14.5	18.0	22.0	20.0	14.5	11.5	3.0	.0
25th percentile	.0	1.5	5.0	8.5	18.5	19.0	23.0	22.0	16.0	12.0	7.0	.5
75th percentile	5.0	4.0	9.0	15.0	19.5	23.5	25.5	26.0	20.0	15.0	12.0	6.0
No. of obs.	5	17	10	12	7	12	9	12	10	12	10	13

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01400932 BALDWIN'S CREEK AT BALDWIN LAKE NEAR PENNINGTON, NJ

LOCATION.--Latitude 40°20'26", longitude 74°46'48", Mercer County, Hydrologic Unit 02030105, on right bank 200 ft upstream from earthfill dam, 1,000 ft upstream from mouth, and 1.1 mi northeast of Pennington.

DRAINAGE AREA.--2.52 mi<sup>2</sup>

RECORD.--Periodic record, 1962-70, 1985-87; continuous record, 1962-66 (daily mean not available); daily record, 1966-69

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	4.0	11.0	19.0	23.0	27.0	29.0	26.0	25.0	18.0	13.0	5.0
Median	2.0	2.0	4.0	10.0	16.5	23.0	26.0	22.0	20.5	16.0	6.0	4.0
Minimum	.0	.5	.0	6.5	14.0	15.5	21.5	21.0	17.5	12.0	2.0	.0
25th percentile	.5	1.5	2.5	8.5	15.5	21.0	23.5	21.5	18.0	12.0	3.5	1.0
75th percentile	3.5	2.5	6.5	13.0	19.5	24.5	28.5	23.0	25.0	18.0	12.0	4.0
No. of obs.	13	8	10	9	8	7	9	6	6	7	8	7

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	3.5	11.0	17.0	24.5	30.5	32.0	30.0	28.5	22.0	14.0	11.5
Median	...	...	...	...	...	...	...	...	...	...	...	...
Minimum	.0	.0	.0	5.0	12.0	19.0	20.0	19.5	16.0	9.5	4.0	.0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	6.0	15.0	21.0	23.0	30.0	29.0	30.0	26.0	23.0	16.0	10.0
Median	3.0	4.0	5.0	14.0	17.0	24.0	25.0	24.0	21.5	13.5	8.0	4.0
Minimum	.5	1.5	.0	6.5	10.5	18.0	21.0	20.0	17.0	12.0	2.0	1.0
25th percentile	2.0	3.0	4.0	12.0	15.5	23.0	23.5	23.0	19.5	13.0	6.0	3.0
75th percentile	4.0	4.0	8.0	16.0	20.0	26.0	26.0	28.0	23.5	17.0	10.0	5.0
No. of obs.	82	80	89	85	62	67	36	31	30	46	74	85

## RARITAN RIVER BASIN

01400953 HONEY BRANCH NEAR PENNINGTON, NJ

LOCATION.--Latitude 40°21'27", longitude 74°45'58", Mercer County, Hydrologic Unit 02030105, on right bank 50 ft upstream from bridge on Wargo Road, 2.2 mi upstream from mouth, and 2.5 mi northeast of Pennington.

DRAINAGE AREA.--0.70 mi<sup>2</sup>

RECORD.--Periodic record, 1965-75, 1986-87

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	5.5	12.0	13.5	22.0	28.0	28.0	24.5	17.0	7.0	5.0	--
Median	.0	.5	3.5	13.0	18.5	25.0	25.5	21.5	13.5	5.5	3.5	--
Minimum	.0	.5	1.0	9.0	15.0	20.0	21.0	21.0	10.5	.0	3.0	--
25th percentile	.0	.5	2.0	9.0	15.0	20.5	22.0	21.0	10.5	1.0	3.0	--
75th percentile	2.5	5.5	10.0	13.5	22.0	28.0	28.0	24.5	17.0	7.0	5.0	--
No. of obs.	3	3	6	3	2	4	4	3	4	4	5	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01401000 STONY BROOK AT PRINCETON, NJ

LOCATION.--Latitude 40°19'59", longitude 74°40'56", Mercer County, Hydrologic Unit 02030105, on right bank 10 ft downstream of bridge on U.S. Highway 206, 1.6 mi southwest of Princeton, and 4.0 mi upstream from Carnegie Lake.

DRAINAGE AREA.--44.5 mi<sup>2</sup>

RECORD.--Periodic record, 1956-93; daily record, 1956-70

REMARKS.--Some regulation of flow by several small reservoirs since July 1959.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	10.0	13.0	21.0	24.0	30.0	30.0	33.5	24.5	22.0	17.0	7.0
Median	1.5	2.5	6.0	11.0	17.5	21.5	23.5	23.0	19.5	12.0	9.0	7.0
Minimum	.0	.0	.5	6.5	10.0	15.5	18.5	16.0	14.0	7.0	1.0	.0
25th percentile	.5	1.0	3.5	9.0	15.0	20.0	21.5	21.5	17.0	10.0	5.5	1.0
75th percentile	3.0	4.5	8.0	13.0	20.0	24.0	25.5	25.0	21.0	13.5	10.5	5.0
No. of obs.	31	38	29	48	29	37	40	46	28	42	30	37

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.0	13.5	19.0	26.0	28.5	31.5	31.5	30.5	29.0	26.0	20.0	15.5
Median	1.0	1.5	4.5	10.0	16.5	22.0	23.5	23.0	19.5	13.5	8.5	7.0
Minimum	.0	.0	.0	3.0	5.0	13.0	15.0	15.5	11.0	3.0	.0	-5
25th percentile	.5	.5	3.0	8.0	14.0	19.5	22.0	21.0	17.0	11.0	5.5	.5
75th percentile	3.0	3.5	7.0	14.5	20.0	24.0	26.0	25.0	22.0	16.5	11.0	4.5
No. of obs.	284	271	308	286	317	312	301	303	279	320	297	319

## RARITAN RIVER BASIN

01401301 MILLSTONE RIVER AT CARNEGIE LAKE AT PRINCETON, NJ

LOCATION.--Latitude 40°22'10", longitude 74°37'20", Middlesex County, Hydrologic Unit 02030105, at right end of Carnegie Lake Dam, 2.5 mi northeast of Princeton.

DRAINAGE AREA.--159 mi<sup>2</sup>

RECORD.--Periodic record, 1972-75, 1986-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	6.0	11.0	20.0	22.5	28.0	26.5	25.0	22.0	25.5	9.0	5.5
Median	2.0	4.5	6.0	20.0	17.5	26.0	26.0	23.5	21.0	16.5	8.0	3.5
Minimum	1.0	4.5	1.0	20.0	15.0	23.0	25.0	23.0	17.5	12.5	1.0	2.5
25th percentile	1.0	4.5	3.5	20.0	15.5	23.0	25.0	23.0	17.5	12.5	4.0	2.5
75th percentile	3.0	6.0	10.5	20.0	21.5	28.0	26.5	25.0	22.0	25.5	8.5	5.0
No. of obs.	4	3	6	1	4	3	2	3	3	3	5	4



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01401400 HEATHCOTE BROOK AT KINGSTON, NJ

LOCATION.--Latitude 40°22'10", longitude 74°36'59", Middlesex County, Hydrologic Unit 02030105, at bridge on Mapleton Road, 0.3 mi east of Delaware and Raritan Canal at Kingston, and 3.8 mi northwest of Scotts Corners.

DRAINAGE AREA.--9.0 mi<sup>2</sup>

RECORD.--Periodic record, 1975-83, 1991-92

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	4.5	15.5	18.5	18.5	20.0	24.0	21.5	20.0	15.0	12.0	6.5
Median	2.0	1.0	7.5	16.0	15.0	17.0	21.0	19.5	17.5	13.0	6.5	6.5
Minimum	.0	.5	5.0	13.5	13.0	16.5	18.5	16.0	15.0	7.5	4.5	6.5
25th percentile	.0	.5	6.0	13.5	14.0	17.0	19.0	17.5	15.5	9.0	5.0	6.5
75th percentile	6.0	4.5	11.5	18.5	18.0	18.5	22.5	20.5	20.0	14.5	10.5	6.5
No. of obs.	3	3	6	3	6	6	6	8	4	4	4	1

## RARITAN RIVER BASIN

## 01401440 MILLSTONE RIVER AT KINGSTON, NJ

LOCATION.--Latitude 40°22'24", longitude 74°37'15", Middlesex County, Hydrologic Unit 02030105, at bridge on Lincoln Highway in Kingston, 0.2 mi downstream from the outflow of Carnegie Lake, and 3.0 mi northwest of Plainsboro.

DRAINAGE AREA.--172 mi<sup>2</sup>

RECORD.--Periodic record, 1975-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	5.5	13.0	20.0	26.0	28.5	29.5	29.5	28.5	21.5	20.0	--
Median	2.5	2.5	9.5	12.5	18.0	23.0	26.0	25.5	19.5	16.0	12.5	--
Minimum	.5	.0	4.0	10.0	15.0	17.0	25.0	20.5	19.0	10.5	5.0	--
25th percentile	1.0	1.0	7.0	10.5	16.0	20.5	25.5	24.5	19.0	11.0	5.0	--
75th percentile	3.5	5.0	11.5	13.5	25.0	26.0	27.0	26.0	25.0	17.0	20.0	--
No. of obs.	8	7	6	12	7	12	15	14	5	11	3	0

## RARITAN RIVER BASIN

## 01401600 BEDEN BROOK NEAR ROCKY HILL, NJ

LOCATION.--Latitude 40°24'52", longitude 74°39'02", Somerset County, Hydrologic Unit 02030105, at bridge on U.S. Route 206 at State Route 533, 0.7 mi upstream from Pike Run, 1.2 mi northwest of Rocky Hill, and 4.6 mi north of Princeton.

DRAINAGE AREA.--27.6 mi<sup>2</sup>

RECORD.--Periodic record, 1959-63, 1966, 1971, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	3.5	10.0	20.0	24.5	25.0	27.0	26.5	28.0	18.5	11.5	7.0
Median	2.5	2.5	6.5	11.0	16.5	21.5	23.0	22.5	19.5	12.0	7.0	7.0
Minimum	.0	.5	2.0	6.0	9.5	16.0	20.0	17.0	15.0	7.0	1.5	7.0
25th percentile	.0	1.5	5.0	10.0	15.0	18.5	22.0	20.0	17.5	11.0	2.5	7.0
75th percentile	3.0	3.0	7.5	14.5	20.5	23.5	24.5	23.5	24.0	15.0	9.0	7.0
No. of obs.	12	6	7	17	16	10	19	21	12	15	8	1

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01401650 PIKE RUN AT BELLE MEAD, NJ

LOCATION.--Latitude 40°28'05", longitude 74°38'57", Somerset County, Hydrologic Unit 02030105, on right bank 20 ft upstream of bridge on Township Line Road, 0.7 mi east of Belle Mead, 0.8 mi upstream of Cruser Brook, and 1.0 mi downstream of bridge on U.S. Route 206.

DRAINAGE AREA.--5.36 mi<sup>2</sup>

RECORD.--Periodic record, 1980-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	6.0	10.0	18.0	19.5	29.0	30.0	27.0	25.5	19.0	18.5	10.5
Median	3.0	5.0	5.5	10.0	17.0	24.0	25.5	24.5	21.5	12.5	10.5	6.0
Minimum	.0	2.5	.5	4.0	13.0	18.5	21.0	20.0	18.0	8.0	7.0	3.5
25th percentile	1.0	3.5	1.5	8.0	16.0	21.0	22.0	21.5	19.5	11.0	8.0	5.5
75th percentile	4.0	5.5	9.5	17.0	19.0	27.0	29.0	26.5	23.5	14.0	16.5	7.0
No. of obs.	7	6	6	7	7	5	7	8	8	8	4	7

## RARITAN RIVER BASIN

01401700 PIKE RUN NEAR ROCKY HILL, NJ

LOCATION.--Latitude 40°25'12", longitude 74°38'28", Somerset County, Hydrologic Unit 02030105, at highway bridge on State Route 533, 600 ft upstream from mouth, 1.4 mi north of Rocky Hill, and 5.0 mi north of Princeton.

DRAINAGE AREA.--22.2 mi<sup>2</sup>

RECORD.--Periodic record, 1959-63, 1971, 1975-78

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.0	13.5	21.5	23.0	25.0	23.5	24.5	28.5	15.5	11.5	--	--
Median	.0	9.0	13.5	17.5	22.5	22.5	24.5	22.0	11.5	8.0	--	--
Minimum	.0	2.0	11.5	12.5	20.5	20.0	21.0	20.0	11.0	3.0	--	--
25th percentile	.0	2.0	11.5	13.0	21.0	20.5	21.0	20.0	11.0	5.0	--	--
75th percentile	.0	13.5	20.0	22.0	24.5	23.5	24.5	27.0	15.5	10.5	--	--
No. of obs.	1	3	4	5	4	5	3	4	3	5	0	0

## RARITAN RIVER BASIN

01402000 MILLSTONE RIVER AT BLACKWELLS MILLS, NJ

LOCATION.--Latitude 40°28'30", longitude 74°34'34", Somerset County, Hydrologic Unit 02030105, on left bank 30 ft downstream from highway bridge at Blackwells Mills, and 0.3 mi downstream from Six Mile Run.

DRAINAGE AREA.--258 mi<sup>2</sup>

RECORD.--Continuous record, 1959-93

REMARKS.--Inflow from and losses to Delaware and Raritan Canal above station. Flow slightly regulated by Carnegie Lake and several smaller reservoirs.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	6.0	11.0	21.5	24.5	30.0	27.0	30.0	26.0	21.0	13.5	7.0
Median	1.0	2.0	7.0	10.5	17.0	23.0	24.0	23.5	20.0	13.5	8.0	5.0
Minimum	.0	.5	1.5	5.5	12.5	19.0	22.0	19.5	15.5	6.0	2.0	1.5
25th percentile	.0	1.0	3.5	9.0	15.5	21.5	23.0	22.0	17.5	10.5	6.0	3.0
75th percentile	2.0	4.5	8.5	13.0	18.0	24.5	25.0	24.5	21.0	17.0	10.0	5.5
No. of obs.	15	19	26	24	20	23	24	22	13	23	23	18

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01402540 MILLSTONE RIVER AT WESTON, NJ

LOCATION.--Latitude 40°31'47", longitude 74°35'19", Somerset County, Hydrologic Unit 02030105, at bridge on Wilhouski Street in Weston, 50 ft upstream from Royce Brook, 0.8 mi southwest of Alma White College, and 1.9 mi north of Millstone.

DRAINAGE AREA.--271 mi<sup>2</sup>, includes approximately 13 mi<sup>2</sup> which drains into the Delaware and Raritan Canals.

RECORD.--Periodic record, 1975-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	5.0	9.0	22.0	21.5	26.0	28.0	26.5	26.5	19.0	13.0	4.0
Median	1.0	1.5	8.0	10.5	16.0	21.5	25.0	24.0	19.0	14.5	7.0	3.5
Minimum	.0	.0	6.0	8.0	13.5	18.0	22.0	21.5	17.5	10.0	3.0	2.5
25th percentile	.5	1.0	7.0	10.0	14.0	20.0	24.0	23.0	18.5	11.0	3.0	2.5
75th percentile	3.0	2.0	8.5	13.0	21.0	24.0	25.5	25.0	23.5	15.5	13.0	4.0
No. of obs.	6	9	6	12	6	13	16	14	5	12	3	2

## RARITAN RIVER BASIN

## 01402590 ROYCE BROOK TRIBUTARY AT FRANKFORT, NJ

LOCATION.--Latitude 40°30'21", longitude 74°40'24", Somerset County, Hydrologic Unit 02030105, on left bank 20 ft upstream from bridge on Beekman Lane, 0.6 mi east of Frankfort, and 1.6 mi upstream from mouth.

DRAINAGE AREA.--0.29 mi<sup>2</sup>

RECORD.--Periodic record, 1970-75

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	8.5	8.5	21.5	19.0	21.0	22.0	23.0	13.0	13.5	10.0	--
Median	3.5	5.0	8.0	15.5	18.0	18.0	21.0	22.0	12.5	11.0	6.0	--
Minimum	1.5	1.5	5.0	7.0	17.0	17.0	21.0	21.5	12.0	8.0	6.0	--
25th percentile	1.5	1.5	5.5	9.0	17.0	17.0	21.0	21.5	12.0	9.5	6.0	--
75th percentile	4.5	8.5	8.0	21.0	19.0	21.0	22.0	23.0	13.0	11.5	9.0	--
No. of obs.	3	2	4	5	2	3	3	2	2	6	4	0

## RARITAN RIVER BASIN

## 01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, NJ

LOCATION.--Latitude 40°29'56", longitude 74°39'05", Somerset County, Hydrologic Unit 02030105, on right bank 25 ft upstream from bridge on State Highway 514 (Amwell Road), 1,200 ft upstream from mouth, and 2.0 mi north of Belle Mead.

DRAINAGE AREA.--1.20 mi<sup>2</sup>

RECORD.--Periodic record, 1966-75, 1980-93

REMARKS.--Some regulation of flow from storm-water detention basin 542 ft upstream of gage since 1980.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	9.0	10.0	29.0	24.5	27.0	32.0	28.0	28.0	23.0	18.0	9.5
Median	2.0	4.0	6.5	12.5	17.0	23.0	25.0	23.0	21.0	14.0	11.0	5.5
Minimum	.5	.0	1.0	5.0	8.0	18.5	20.5	20.5	14.5	4.0	6.0	.5
25th percentile	1.5	2.5	4.0	7.0	15.0	21.0	23.0	21.5	18.5	10.5	9.0	3.0
75th percentile	4.0	5.5	8.5	17.5	20.0	26.5	28.5	24.0	23.0	16.0	12.5	7.5
No. of obs.	11	11	12	14	9	12	10	12	12	13	12	16

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

## 01402900 MILLSTONE RIVER NEAR MANVILLE, NJ

LOCATION.--Latitude 40°32'33", longitude 74°34'03", Somerset County, Hydrologic Unit 02030105, at water-quality recorder 200 ft above confluence with Raritan River about 6.4 mi below gaging station, near Manville.

DRAINAGE AREA.--287 mi<sup>2</sup>

RECORD.--Periodic record, 1967-75; continuous record, 1968-74

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	4.0	10.0	18.0	20.5	25.0	28.0	26.0	23.0	18.0	10.5	6.0
Median	1.5	2.5	8.0	13.5	17.5	22.0	24.5	24.0	20.0	12.5	7.5	2.0
Minimum	.0	1.0	5.5	9.0	17.0	20.0	22.5	22.5	14.5	8.0	4.0	1.0
25th percentile	.5	1.0	6.5	11.0	17.0	20.5	23.0	23.0	18.0	11.0	5.0	1.0
75th percentile	3.0	3.5	9.5	16.0	19.0	24.5	26.5	24.5	21.0	18.0	8.5	5.0
No. of obs.	7	6	5	7	5	9	8	8	9	6	6	7

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	8.5	13.0	20.5	22.0	28.5	29.0	30.0	27.0	23.5	14.0	9.5
Median	1.5	2.5	6.5	11.0	16.5	22.0	24.5	24.0	19.5	15.5	8.0	4.0
Minimum	.0	.0	1.5	2.5	10.0	16.0	19.5	19.5	13.5	7.0	2.5	.0

## RARITAN RIVER BASIN

## 01403060 RARITAN RIVER BELOW CALCO DAM AT BOUND BROOK, NJ

LOCATION.--Latitude 40°33'05", longitude 74°32'54", Somerset County, Hydrologic Unit 02030105, on right bank 1,000 ft downstream from Calco Dam and Cuckold Brook, 1,400 ft upstream of bridge on Interstate 287, 1.2 mi downstream from Millstone River, and 1.2 mi southwest of Bound Brook.

DRAINAGE AREA.--785 mi<sup>2</sup> (includes 11 mi<sup>2</sup> that drains into the Delaware and Raritan Canal)

RECORD.--Periodic record, 1958-93

REMARKS.--Water diverted 1.2 mi above station by Elizabethtown Water Company for municipal supply. Flow regulated by Spruce Run and Round Valley Reservoirs. Diversions to and releases from Round Valley Reservoir. Slight diurnal fluctuations of flow at low flows.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	5.5	12.0	18.0	26.0	27.0	28.0	29.5	27.0	20.0	16.5	7.0
Median	2.0	1.5	6.0	10.5	19.0	24.0	26.0	25.5	22.0	14.5	10.0	3.5
Minimum	.0	.0	2.0	5.5	18.0	18.5	23.5	19.0	15.0	9.0	5.0	1.5
25th percentile	.0	.5	3.5	9.0	18.5	22.0	25.0	23.5	20.0	12.5	6.5	2.5
75th percentile	2.0	2.5	9.0	13.5	21.0	25.5	26.0	26.5	23.5	16.5	14.5	5.0
No. of obs.	12	14	16	13	10	14	10	18	14	13	9	12

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, NJ

LOCATION.--Latitude 40°36'44", longitude 74°35'28", Somerset County, Hydrologic Unit 02030105, on left bank 150 ft upstream from bridge on Crim Road, 1.4 mi northwest of Martinsville, and 1.8 mi upstream from confluence with East Branch Middle Brook.

DRAINAGE AREA.--1.99 mi<sup>2</sup>

RECORD.--Periodic record, 1979-84, 1986-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	5.5	9.0	15.0	18.5	22.0	28.5	25.0	22.5	20.0	17.0	5.5
Median	2.0	3.5	5.0	9.5	15.0	18.5	23.5	21.0	19.0	11.5	9.0	2.5
Minimum	1.0	.5	1.0	6.0	11.5	15.0	19.5	16.5	15.0	8.0	7.5	.5
25th percentile	1.5	1.0	4.0	8.5	13.0	16.0	20.0	18.0	18.0	9.0	7.5	1.5
75th percentile	3.5	5.5	8.0	12.0	17.5	20.0	27.5	23.0	22.5	18.0	10.0	5.0
No. of obs.	8	4	7	8	6	10	4	7	7	4	7	7

## RARITAN RIVER BASIN

01403300 RARITAN RIVER AT QUEENS BRIDGE AT BOUND BROOK, NJ

LOCATION.--Latitude 40°33'34", longitude 74°31'41", Somerset County, Hydrologic Unit 02030105, at Queens Bridge on Main street in Bound Brook, 1.7 mi upstream of Fieldsville Dam.

DRAINAGE AREA.--804 mi<sup>2</sup>

RECORD.--Periodic record, 1965-72, 1977, 1981-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	6.0	10.0	16.0	24.0	31.0	30.0	26.0	26.0	16.0	13.0	8.0
Median	3.5	3.0	7.0	12.5	17.0	23.0	25.0	24.0	22.0	14.0	9.0	5.0
Minimum	.5	.5	1.5	4.5	12.0	19.0	22.0	19.0	19.0	11.0	5.0	.0
25th percentile	1.0	2.0	3.5	9.0	16.0	21.0	22.0	22.0	20.5	11.5	7.0	2.0
75th percentile	5.0	3.0	8.0	16.0	19.5	26.0	28.0	25.0	25.0	15.0	10.5	8.0
No. of obs.	10	16	16	7	15	10	9	13	9	5	21	8

## RARITAN RIVER BASIN

01403400 GREEN BROOK AT SEELEY MILLS, NJ

LOCATION.--Latitude 40°39'53", longitude 74°24'10", Somerset County, Hydrologic Unit 02030105, on right bank at Seeley Mills, 250 ft downstream from Blue Brook, 300 ft downstream from bridge on Diamond Hill Road, and 0.5 mi northwest of Scotch Plains.

DRAINAGE AREA.--6.23 mi<sup>2</sup>

RECORD.--Periodic record, 1959-64, 1978-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	5.5	6.5	18.0	22.0	25.0	26.0	25.0	24.5	16.0	9.5	6.0
Median	4.0	4.0	6.0	13.5	16.5	22.0	22.5	23.0	21.0	16.0	9.0	4.5
Minimum	1.0	1.0	2.5	8.0	12.0	17.5	18.5	18.5	13.5	16.0	5.5	2.0
25th percentile	2.0	1.0	4.5	9.0	13.0	21.0	20.0	21.0	18.5	16.0	6.0	3.0
75th percentile	6.0	5.5	6.5	14.5	19.5	22.5	26.0	24.0	22.5	16.0	9.5	5.5
No. of obs.	8	3	6	11	11	10	5	7	11	1	5	6

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01403500 GREEN BROOK AT PLAINFIELD, NJ

LOCATION.--Latitude 40°36'53", longitude 74°25'55", Union County, Hydrologic Unit 02030105, on left bank 20 ft downstream from Sycamore Avenue Bridge in Plainfield, and 1.0 mi upstream from Stony Brook.

DRAINAGE AREA.--9.75 mi<sup>2</sup>

RECORD.--Periodic record, 1959-84, 1993

REMARKS.--Diversion from wells very significant at low and medium flows.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.5	8.0	10.0	17.0	24.0	21.0	26.0	27.0	23.0	20.0	15.0	10.0
Median	1.0	2.0	6.0	13.0	15.0	20.0	23.0	23.0	18.0	16.0	8.0	2.0
Minimum	.0	.0	2.0	7.0	8.0	11.5	18.0	16.0	15.0	12.5	1.5	.0
25th percentile	.0	.5	3.0	10.0	12.5	18.0	21.5	21.0	17.0	13.5	6.0	1.0
75th percentile	2.5	3.5	8.0	16.0	18.5	21.0	24.0	24.0	21.0	18.0	10.5	6.0
No. of obs.	8	14	14	14	10	9	14	11	11	11	13	13

## RARITAN RIVER BASIN

01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, NJ

LOCATION.--Latitude 40°38'25", longitude 74°26'52", Somerset County, Hydrologic Unit 02030105, 700 ft upstream of dam on Best Lake in Watchung, 1,400 ft upstream of mouth, and 0.5 mi northeast of Watchung.

DRAINAGE AREA.--1.57 mi<sup>2</sup>

RECORD.--Periodic record, 1980-84, 1986-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.5	8.5	16.0	23.0	27.0	31.0	27.5	25.5	20.0	14.0	8.0
Median	2.5	2.5	3.0	10.5	19.5	24.5	26.5	25.0	22.5	12.0	8.0	5.5
Minimum	1.5	.0	1.0	4.5	13.0	19.0	26.0	24.0	15.5	10.0	4.5	2.0
25th percentile	1.5	1.0	2.0	8.0	14.0	20.0	26.0	24.0	17.5	11.0	5.0	3.5
75th percentile	3.0	4.5	7.5	11.0	23.0	27.0	31.0	26.5	24.0	16.5	13.0	6.0
No. of obs.	5	6	7	8	8	4	3	6	7	5	4	7

## RARITAN RIVER BASIN

01403540 STONY BROOK AT WATCHUNG, NJ

LOCATION.--Latitude 40°38'12", longitude 74°27'06", Somerset County, Hydrologic Unit 02030105, on right bank at Watchung Borough Administration Building, 150 ft downstream from bridge on Mountain Boulevard, and 2.9 mi upstream from confluence with Green Brook.

DRAINAGE AREA.--5.51 mi<sup>2</sup>

RECORD.--Periodic record, 1974-93

REMARKS.--Occasional regulation of flow from Watchung and Best Lakes directly upstream from station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.0	8.5	9.0	17.0	23.0	26.0	26.5	27.0	23.5	18.0	15.0	8.0
Median	3.0	3.0	6.5	12.0	17.0	21.5	24.0	24.5	21.0	13.5	8.0	3.5
Minimum	2.5	1.0	1.0	7.0	12.0	18.0	19.0	22.0	16.0	10.5	7.0	2.0
25th percentile	2.5	1.0	2.0	9.0	13.5	20.5	21.5	23.0	18.0	12.0	7.5	3.0
75th percentile	3.5	4.5	7.5	15.0	21.0	25.0	25.5	25.5	23.0	18.0	12.5	6.5
No. of obs.	9	10	10	13	9	8	6	8	9	8	6	14

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01403900 BOUND BROOK AT MIDDLESEX, NJ

LOCATION.--Latitude 40°35'06", longitude 74°30'29", Somerset County, Hydrologic Unit 02030105, on right bank along Green Brook Road, 110 ft upstream from the bridge and intersection with Sebring Mill Road, 0.4 mi downstream of mouth of Green Brook, and 2.3 mi upstream from mouth.

DRAINAGE AREA.--48.4 mi<sup>2</sup>

RECORD.--Periodic record, 1972-77, 1992

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	6.0	6.5	20.0	27.0	21.0	24.0	25.0	23.0	17.0	11.5	8.0
Median	.5	4.0	6.0	14.0	22.0	19.0	23.5	22.5	23.0	13.0	10.0	7.5
Minimum	.5	3.0	5.5	8.0	16.5	18.0	23.0	22.5	23.0	9.5	2.5	6.5
25th percentile	.5	3.0	5.5	9.0	16.5	18.0	23.0	22.5	23.0	11.0	5.5	6.5
75th percentile	8.5	6.0	6.5	19.0	27.0	20.5	24.0	25.0	23.0	16.5	10.5	8.0
No. of obs.	3	3	2	4	2	4	2	3	2	6	7	2

## RARITAN RIVER BASIN

01404100 RARITAN RIVER NEAR SOUTH BOUND BROOK, NJ

LOCATION.--Latitude 40°30'47", longitude 74°32'24", Somerset County, Hydrologic Unit 02030105, at bridge on Interstate Route 287, 0.2 mi downstream from Fieldsville Dam, and 1.5 mi southeast of South Bound Brook.

DRAINAGE AREA.--862 mi<sup>2</sup>

RECORD.--Periodic record, 1943\*, 1966-81, 1987; continuous record, 1969-77

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	7.0	15.5	16.0	21.5	29.5	29.0	27.5	26.0	20.0	13.0	8.0
Median	1.0	1.5	7.5	12.5	19.5	23.5	25.0	24.0	20.0	14.0	7.0	3.0
Minimum	.0	.5	3.5	8.5	12.0	17.5	20.5	21.5	16.0	9.0	4.0	.0
25th percentile	.0	1.0	5.0	11.0	16.5	22.0	23.5	23.0	18.5	11.5	6.5	1.0
75th percentile	2.0	4.0	8.5	14.5	20.0	24.5	26.5	26.0	22.0	17.0	11.0	5.0
No. of obs.	12	14	12	14	14	18	14	15	20	13	16	15

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	9.0	15.0	25.0	24.5	31.5	32.0	31.5	30.5	28.0	19.0	9.0
Median	1.5	2.0	6.5	11.5	17.0	23.0	25.0	25.0	20.5	15.0	8.0	3.5
Minimum	.0	.0	2.0	4.5	8.5	15.5	16.0	19.5	15.0	6.0	1.5	.0

## RARITAN RIVER BASIN

01404302 LAWRENCE BROOK AT DAVIDSON'S MILL ROAD NEAR PATRICKS CORNER, NJ

LOCATION.--Latitude 40°24'58", longitude 74°29'38", Middlesex County, Hydrologic Unit 02030105, at bridge on Davidsons Mill Road, 1,000 ft upstream of Oakeys Brook, 1.0 mi southwest of Patricks Corner, 1.5 mi west of Paulas Corners, and 2.3 mi south of Adams.

DRAINAGE AREA.--12.4 mi<sup>2</sup>

RECORD.--Periodic record, 1976-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	5.5	10.0	22.0	18.0	25.5	28.0	26.0	19.0	18.0	12.5	--
Median	3.5	1.0	8.5	10.0	16.0	22.0	25.5	24.0	18.0	15.0	12.0	--
Minimum	.5	.0	5.0	8.5	12.0	18.5	23.5	20.5	17.0	12.5	6.5	--
25th percentile	.5	.5	6.5	8.5	13.0	19.0	24.0	21.5	17.0	12.5	6.5	--
75th percentile	4.5	4.5	9.0	22.0	17.5	24.5	26.5	25.5	19.0	18.0	12.5	--
No. of obs.	3	4	8	3	5	6	6	7	3	3	3	0

\* Measured before the study period of this report.

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01405000 LAWRENCE BROOK AT FARRINGTON DAM, NJ

LOCATION.--Latitude 40°27'00", longitude 74°27'05", Middlesex County, Hydrologic Unit 02030105, on left bank 300 ft upstream from Farrington Dam, 0.7 mi southwest of Milltown, and 5.4 mi upstream from mouth.

DRAINAGE AREA.--34.4 mi<sup>2</sup>

RECORD.--Periodic record, 1959-90, 1993

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	9.0	12.0	18.0	24.5	30.0	31.5	28.5	24.0	20.5	14.5	7.0
Median	1.5	4.0	6.5	12.5	17.5	23.0	25.5	25.5	23.0	16.0	9.5	4.5
Minimum	.0	.0	2.5	9.0	13.5	19.0	21.0	21.0	18.0	12.0	2.0	2.0
25th percentile	.5	1.5	4.0	10.0	14.0	20.5	24.0	24.0	21.0	13.5	7.5	3.0
75th percentile	4.0	5.5	7.5	14.5	21.0	26.0	26.5	27.5	23.0	18.0	12.0	5.5
No. of obs.	20	13	16	15	12	16	12	16	15	24	20	10

## RARITAN RIVER BASIN

01405030 LAWRENCE BROOK AT WESTONS MILLS, NJ

LOCATION.--Latitude 40°28'59", longitude 74°24'45", Middlesex County, Hydrologic Unit 02030105, on left bank at dam on Westons Mill Pond at Westons Mills, 200 ft downstream from bridge on State Route 18, and 1.3 mi upstream from mouth.

DRAINAGE AREA.--44.9 mi<sup>2</sup>

RECORD.--Periodic record, 1976-81, 1989-93

REMARKS.--Flow regulated by Farrington Lake. Diversion at gage by New Brunswick Water Department.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	6.0	13.0	18.0	23.0	25.0	27.5	28.0	26.5	19.0	12.0	--
Median	2.0	4.0	7.0	13.0	19.0	23.0	25.5	25.5	24.0	16.5	9.0	--
Minimum	1.0	2.5	4.5	8.5	13.5	19.5	20.0	23.5	17.5	12.5	4.0	--
25th percentile	1.5	3.0	5.0	10.5	16.0	20.5	24.0	24.0	17.5	14.0	4.5	--
75th percentile	4.0	5.5	10.0	16.5	22.0	25.0	26.5	26.5	26.5	18.0	10.5	--
No. of obs.	5	4	7	5	7	6	10	8	3	8	5	0

## RARITAN RIVER BASIN

01405240 MATCHAPONIX BROOK NEAR ENGLISHTOWN, NJ

LOCATION.--Latitude 40°19'21", longitude 74°21'35", Monmouth County, Hydrologic Unit 02030105, at bridge on Union Hill Road, 1.9 mi north of Englishtown, 2.4 mi southwest of Redshaw Corner, 2.8 mi northwest of Gordons Corner, and 3.9 mi upstream of Barclay Brook.

DRAINAGE AREA.--29.1 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82, 1986-88

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.0	7.0	11.0	12.0	16.5	22.0	24.0	26.0	18.0	17.0	11.5	--
Median	.0	2.5	6.0	9.0	15.0	20.0	21.0	22.5	17.0	17.0	9.0	--
Minimum	.0	.0	4.0	8.0	12.0	18.0	16.0	19.0	13.0	17.0	6.5	--
25th percentile	.0	.0	4.0	8.0	12.0	18.0	19.5	21.5	14.5	17.0	6.5	--
75th percentile	.0	7.0	8.5	12.0	16.0	22.0	23.0	24.5	18.0	17.0	11.5	--
No. of obs.	2	3	6	3	7	3	7	6	5	2	3	0



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01405285 BARCLAY BROOK NEAR ENGLISHTOWN, NJ

LOCATION.--Latitude 40°20'53", longitude 74°21'27", Middlesex County, Hydrologic Unit 02030105, at bridge on Old Bridge-Englishtown Road, 0.6 mi southwest of Redshaw Corner, 0.8 mi upstream of mouth, 2.3 mi southwest of Moerls Corner, and 3.5 mi north of Englishtown.

DRAINAGE AREA.--4.94 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82, 1986, 1988

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.5	2.0	11.0	12.0	16.5	19.5	25.0	24.0	21.5	16.5	8.0	--
Median	1.0	1.0	4.5	9.0	14.0	17.0	20.0	22.5	16.0	15.0	6.5	--
Minimum	.0	.0	1.5	8.0	10.0	16.0	16.0	17.0	12.0	13.0	5.0	--
25th percentile	.0	.0	2.5	8.5	12.0	16.0	18.5	19.5	12.0	13.0	5.0	--
75th percentile	1.5	2.0	7.0	11.5	14.5	19.0	23.0	23.5	17.0	16.5	8.0	--
No. of obs.	2	3	6	4	7	4	8	6	7	2	2	0

## RARITAN RIVER BASIN

01405302 MATCHAPONIX BROOK AT MUNDY AVENUE AT SPOTSWOOD, NJ

LOCATION.--Latitude 40°23'22", longitude 74°22'55", Middlesex County, Hydrologic Unit 02030105, at bridge on Mundy Avenue in Spotswood, 0.2 mi upstream from mouth, 0.5 mi east of De Voe Lake dam, and 3.4 mi southeast of Tanners Corners.

DRAINAGE AREA.--44.1 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	9.0	11.0	18.0	16.0	22.0	26.0	24.0	22.0	17.0	13.0	6.5
Median	1.5	1.5	6.5	11.0	15.0	18.5	21.5	21.0	18.0	12.0	8.0	6.5
Minimum	1.0	.0	2.0	7.0	11.0	16.0	18.0	18.5	16.5	11.0	6.0	6.5
25th percentile	1.0	1.0	3.0	8.5	12.0	17.0	20.0	21.0	17.0	11.0	6.5	6.5
75th percentile	5.0	4.5	9.0	14.0	15.5	20.5	24.0	22.5	20.0	17.0	12.0	6.5
No. of obs.	3	11	11	8	10	8	15	17	8	7	5	1

## RARITAN RIVER BASIN

01405340 MANALAPAN BROOK AT FEDERAL ROAD NEAR MANALAPAN, NJ

LOCATION.--Latitude 40°17'46", longitude 74°23'53", Middlesex County, Hydrologic Unit 02030105, at bridge on Federal Road, 2.6 mi north of Manalapan, 3.1 mi southwest of Matchaponix, 3.3 mi downstream of Still House Brook, and 4.1 mi northeast of Applegarth.

DRAINAGE AREA.--20.9 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	9.0	11.5	14.5	16.0	22.5	25.0	24.0	23.5	18.0	11.0	--
Median	.5	2.0	7.0	11.0	14.5	20.0	21.0	20.5	18.0	15.0	9.5	--
Minimum	.0	.0	3.0	8.5	12.5	16.0	18.0	16.0	15.0	10.0	5.0	--
25th percentile	.0	1.0	4.0	10.0	13.0	17.0	20.5	19.5	16.0	11.0	7.0	--
75th percentile	2.0	4.5	9.0	13.0	16.0	21.5	23.0	23.5	20.0	17.5	10.5	--
No. of obs.	6	10	11	8	10	8	15	14	11	6	8	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## RARITAN RIVER BASIN

01405400 MANALAPAN BROOK AT SPOTSWOOD, NJ

LOCATION.--Latitude 40°23'22", longitude 74°23'27", Middlesex County, Hydrologic Unit 02030105, on right bank of DeVoe Lake Dam in Spotswood, 0.1 mi upstream from Cedar Brook, and 0.6 mi upstream from confluence with Matchaponix Brook.

DRAINAGE AREA.--40.7 mi<sup>2</sup>

RECORD.--Periodic record, 1960-93

REMARKS.--Some regulation of flow by Lake Manalapan, Helmetta Pond, and DeVoe Lake.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	8.0	14.0	15.5	22.5	28.0	26.0	27.0	24.0	20.0	14.5	8.0
Median	1.0	2.0	7.0	12.5	18.0	19.5	23.5	22.5	19.0	13.5	8.5	4.5
Minimum	.5	.0	1.5	6.5	13.5	15.0	15.0	16.5	14.0	8.5	2.0	.5
25th percentile	1.0	1.0	5.0	10.0	15.0	18.0	21.5	21.5	18.0	12.0	6.5	2.5
75th percentile	3.5	5.0	9.5	14.0	19.0	23.0	25.5	24.5	22.0	15.0	12.0	6.0
No. of obs.	14	14	19	18	15	19	16	18	21	21	17	18

## RARITAN RIVER BASIN

01405440 MANALAPAN BROOK AT BRIDGE STREET AT SPOTSWOOD, NJ

LOCATION.--Latitude 40°23'26", longitude 74°23'26", Middlesex County, Hydrologic Unit 02030105, at bridge on Bridge Street in Spotswood, 400 ft below DeVoe Lake Dam.

DRAINAGE AREA.--43.9 mi<sup>2</sup>

RECORD.--Periodic record, 1973-74, 1979-91

REMARKS.--Flow regulated by lakes above site.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	8.0	11.0	18.0	16.5	23.0	24.0	24.5	23.5	17.0	--	--
Median	1.0	2.0	9.5	10.5	15.0	20.0	21.5	21.5	18.0	12.0	--	--
Minimum	.0	.0	3.5	8.0	12.0	17.0	19.0	19.0	16.0	10.0	--	--
25th percentile	.0	2.0	4.5	9.0	14.0	17.5	20.0	19.5	16.0	11.5	--	--
75th percentile	5.0	4.0	10.5	15.0	16.0	22.5	23.0	23.0	20.0	17.0	--	--
No. of obs.	6	7	5	7	11	4	11	12	9	7	0	0

## RARITAN RIVER BASIN

01405500 SOUTH RIVER AT OLD BRIDGE, NJ

LOCATION.--Latitude 40°24'22", longitude 74°22'08", Middlesex County, Hydrologic Unit 02030105, on right abutment of Duheral Dam, 0.6 mi south of Old Bridge, 2.3 mi upstream from Deep Run, and 9.1 mi upstream from mouth.

DRAINAGE AREA.--94.6 mi<sup>2</sup>

RECORD.--Periodic record, 1960, 1962-83, 1985-88

REMARKS.--Flow affected by well pumpage and regulation of lakes.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	7.0	10.0	17.5	23.0	29.0	27.0	27.0	26.0	21.0	14.0	8.0
Median	1.5	1.5	6.0	13.0	17.0	21.0	25.0	24.0	23.0	15.0	7.0	4.0
Minimum	.0	.0	1.0	10.5	13.0	15.0	22.0	20.0	15.5	12.0	4.0	1.0
25th percentile	.5	1.0	4.0	11.5	14.0	18.5	23.0	22.5	20.0	14.0	5.5	2.0
75th percentile	3.0	4.5	8.0	14.5	20.0	24.0	26.5	25.5	24.5	17.0	10.5	6.0
No. of obs.	9	10	15	9	10	15	9	13	10	13	10	10

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## NAVESINK RIVER BASIN

01407253 WILLOW BROOK NEAR HOLMDEL, NJ

LOCATION.--Latitude 40°19'47", longitude 74°10'26", Monmouth County, Hydrologic Unit 02030104, at bridge on Willow Brook Road, 0.6 mi upstream of Big Brook, 1.2 mi southeast of Holmdel, 1.3 mi northeast of Vanderburg, and 1.6 mi northwest of Sugar Loaf Hill.

DRAINAGE AREA.--7.52 mi<sup>2</sup>

RECORD.--Periodic record, 1975-83, 1988

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.5	9.0	11.0	12.0	20.5	18.0	19.0	22.0	19.0	16.0	6.0	--
Median	.5	3.0	6.5	9.0	15.0	17.5	17.0	19.5	14.0	13.0	6.0	--
Minimum	.5	.0	2.0	8.0	12.0	17.0	17.0	14.0	13.0	10.0	6.0	--
25th percentile	.5	.0	2.0	8.0	12.5	17.0	17.0	18.0	13.0	10.5	6.0	--
75th percentile	.5	8.0	11.0	11.5	16.5	18.0	18.5	21.5	19.0	15.5	6.0	--
No. of obs.	1	5	3	4	10	2	5	6	3	4	1	0

## SWIMMING RIVER BASIN

01407400 YELLOW BROOK AT COLTS NECK, NJ

LOCATION.--Latitude 40°17'47", longitude 74°10'16", Monmouth County, Hydrologic Unit 02030104, at bridge on Creamery Road, 0.3 mi upstream from Mine Brook, and 0.7 mi north of Colts Neck.

DRAINAGE AREA.--9.71 mi<sup>2</sup>

RECORD.--Periodic record, 1970, 1973, 1975-83, 1988

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.0	9.0	11.0	13.5	19.0	17.5	20.5	24.0	20.0	15.5	6.0	--
Median	.0	5.0	5.5	12.0	15.5	17.0	18.5	20.5	15.5	15.0	5.5	--
Minimum	.0	.0	3.0	8.0	12.0	16.0	17.5	15.0	13.0	9.0	5.0	--
25th percentile	.0	.5	3.0	8.5	14.0	16.0	18.0	17.5	13.5	10.5	5.0	--
75th percentile	.0	9.0	11.0	13.0	16.5	17.5	19.5	22.0	19.0	15.5	6.0	--
No. of obs.	1	4	3	5	10	2	5	6	4	5	2	0

## SHREWSBURY RIVER BASIN

01407500 SWIMMING RIVER NEAR RED BANK, NJ

LOCATION.--Latitude 40°19'10", longitude 74°06'55", Monmouth County, Hydrologic Unit 02030104, on left bank 50 ft upstream from spillway at Swimming River Reservoir, 3.3 mi southwest of Red Bank, and 4.8 mi upstream from mouth.

DRAINAGE AREA.--49.2 mi<sup>2</sup>

RECORD.--Periodic record, 1952, 1959-93

REMARKS.--Diversion above station for municipal supply. Flow regulated by Swimming River Reservoir.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	10.0	12.5	23.5	22.5	26.0	29.0	27.0	26.5	26.5	19.0	8.0
Median	2.0	2.0	7.0	12.0	18.0	23.5	24.0	26.0	22.0	16.0	8.5	5.0
Minimum	.0	.0	2.0	7.0	14.0	19.0	19.0	18.0	21.0	8.5	5.0	2.0
25th percentile	1.0	1.5	4.5	10.0	14.5	20.0	22.0	24.0	21.0	14.5	6.0	3.0
75th percentile	3.0	6.0	9.0	16.5	21.0	24.0	26.0	27.0	25.0	18.0	12.0	6.5
No. of obs.	15	22	20	21	12	11	14	13	9	21	11	8

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## SHARK RIVER BASIN

01407705 SHARK RIVER NEAR NEPTUNE CITY, NJ

LOCATION.--Latitude 40°11'56", longitude 74°04'14", Monmouth County, Hydrologic Unit 02030104, on left bank 100 ft upstream from bridge on Remsen Mill Road, 0.3 mi downstream from Robins Swamp Brook, and 1.7 mi west of Neptune City.

DRAINAGE AREA.--9.96 mi<sup>2</sup>

RECORD.--Continuous record, 1965-66, 1968-93

REMARKS.--Diversion above station by New Jersey-American Water Company for municipal supply and by farmers for irrigation.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	11.0	11.0	18.0	27.0	23.0	25.0	27.0	20.5	17.0	14.5	9.0
Median	3.0	4.0	5.0	11.0	15.0	16.5	19.0	20.0	16.0	12.5	6.5	5.0
Minimum	.0	1.0	2.0	8.0	9.0	13.5	16.0	12.5	14.0	8.0	5.0	1.5
25th percentile	1.5	1.5	3.0	9.5	13.0	15.5	17.5	19.0	15.0	11.0	6.0	3.0
75th percentile	5.0	5.5	8.0	15.0	16.5	18.0	20.0	21.0	18.0	13.5	8.5	8.0
No. of obs.	22	25	23	16	26	17	25	28	20	19	15	11

## SHARK RIVER BASIN

01407760 JUMPING BROOK NEAR NEPTUNE CITY, NJ

LOCATION.--Latitude 40°12'13", longitude 74°03'58", Monmouth County, Hydrologic Unit 02030104, on left bank 60 ft downstream from dam on Jumping Brook Reservoir, 0.8 mi upstream from mouth, and 1.4 mi west of Neptune City. Water-quality samples collected at bridge on Corlies Avenue, 600 ft downstream from gaging station.

DRAINAGE AREA.--6.46 mi<sup>2</sup>

RECORD.--Periodic record, 1965-93

REMARKS.--Diversion above station by New Jersey-American Water Company for municipal supply and by farmers for irrigation.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	10.5	14.0	19.5	29.0	23.0	29.0	28.0	26.0	22.0	14.5	8.5
Median	3.5	4.0	5.0	11.0	16.0	19.0	21.0	22.0	18.5	13.5	8.0	6.0
Minimum	.0	.5	1.0	8.0	10.0	14.5	18.0	19.0	14.0	8.0	5.0	3.0
25th percentile	1.5	1.5	3.0	9.5	13.5	17.5	20.0	21.0	16.0	11.0	6.5	3.0
75th percentile	5.0	7.0	8.0	15.5	18.5	21.0	22.5	23.0	20.0	14.5	8.5	8.0
No. of obs.	22	23	24	18	26	17	25	28	20	22	14	11

## MANASQUAN RIVER BASIN

01407810 MANASQUAN RIVER AT ELTON, NJ

LOCATION.--Latitude 40°12'27", longitude 74°19'45", Monmouth County, Hydrologic Unit 02040301, at bridge on Burke Road, 0.9 mi southeast of Elton, and 1.3 mi east of Smithburg.

DRAINAGE AREA.--1.32 mi<sup>2</sup>

RECORD.--Periodic record, 1970-74

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	5.0	8.0	5.5	15.0	13.0	16.0	16.0	15.0	15.0	9.0	--
Median	4.5	4.5	6.0	5.5	15.0	13.0	15.5	16.0	15.0	11.5	9.0	--
Minimum	3.5	4.0	3.5	5.5	15.0	13.0	14.0	13.5	15.0	10.0	9.0	--
25th percentile	3.5	4.0	3.5	5.5	15.0	13.0	14.5	13.5	15.0	11.0	9.0	--
75th percentile	5.5	5.0	8.0	5.5	15.0	13.0	16.0	16.0	15.0	14.0	9.0	--
No. of obs.	2	3	3	1	1	2	5	3	1	8	1	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## MANASQUAN RIVER BASIN

## 01407830 MANASQUAN RIVER NEAR GEORGIA, NJ

LOCATION.--Latitude 40°12'36", longitude 74°16'41", Monmouth County, Hydrologic Unit 02040301, at culvert on Jacksons Mill Road, 0.5 mi above DeBois Creek, 0.9 mi southwest of intersection of Jacksons Mill Road with State Route 524, 1.3 mi southwest of Adelphia, and 1.6 mi north of Georgia.

DRAINAGE AREA.--10.6 mi<sup>2</sup>

RECORD.--Periodic record, 1970, 1973-83, 1989, 1992

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.0	9.0	13.5	13.0	20.0	25.0	23.0	20.0	15.5	5.0	11.0	--
Median	2.0	2.0	6.5	10.0	14.0	19.0	20.0	17.0	13.5	5.0	11.0	--
Minimum	.0	.5	1.0	6.0	10.0	15.0	16.5	13.5	11.0	5.0	11.0	--
25th percentile	1.0	.5	5.0	8.5	14.0	17.5	19.0	14.0	11.5	5.0	11.0	--
75th percentile	7.5	7.5	9.0	11.5	18.0	22.0	21.0	20.0	15.5	5.0	11.0	--
No. of obs.	6	4	10	11	9	9	10	7	4	2	1	0

## MANASQUAN RIVER BASIN

## 01407862 DEBOIS CREEK AT WYCKOFF MILLS, NJ

LOCATION.--Latitude 40°12'33", longitude 74°16'08", Monmouth County, Hydrologic Unit 02040301, at bridge on Strickland Road, 0.2 mi upstream from mouth, 0.7 mi northwest of Wyckoff Mills.

DRAINAGE AREA.--7.67 mi<sup>2</sup>

RECORD.--Periodic record, 1970-74

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.5	11.5	17.0	17.0	22.0	24.0	23.0	18.0	18.0	11.0	--
Median	5.0	7.0	10.0	14.5	17.0	20.0	20.5	22.0	17.0	17.0	11.0	--
Minimum	3.0	5.0	8.5	8.0	17.0	18.0	19.5	20.5	16.0	16.0	11.0	--
25th percentile	3.0	5.0	8.5	9.5	17.0	18.0	20.0	20.5	16.0	16.0	11.0	--
75th percentile	7.0	7.5	11.5	16.5	17.0	22.0	21.0	23.0	18.0	18.0	11.0	--
No. of obs.	2	3	3	4	1	3	11	4	2	7	1	0

## MANASQUAN RIVER BASIN

## 01407880 MANASQUAN RIVER AT FAIRFIELD, NJ

LOCATION.--Latitude 40°12'04", longitude 74°12'46", Monmouth County, Hydrologic Unit 02040301, at bridge on Ketcham Road, 0.3 mi south of Fairfield, and 1.3 mi southeast of Ardena.

DRAINAGE AREA.--28.3 mi<sup>2</sup>

RECORD.--Periodic record, 1970-74

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	4.5	7.5	7.5	17.0	19.5	19.5	20.5	17.0	17.0	7.5	--
Median	3.0	4.5	7.0	7.5	16.0	18.5	18.0	19.0	17.0	14.0	7.0	--
Minimum	1.0	4.5	6.0	7.5	14.0	17.0	17.5	17.0	17.0	12.0	6.0	--
25th percentile	1.0	4.5	6.0	7.5	14.0	17.0	17.5	17.5	17.0	12.0	6.0	--
75th percentile	5.0	4.5	7.5	7.5	17.0	19.5	19.0	20.0	17.0	16.0	7.5	--
No. of obs.	2	2	2	1	3	2	4	4	1	8	2	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## MANASQUAN RIVER BASIN

## 01407900 MANASQUAN RIVER AT WEST FARMS, NJ

LOCATION.--Latitude 40°11'34", longitude 74°11'44", Monmouth County, Hydrologic Unit 02040301, at highway bridge, 0.3 mi east of West Farms, 0.6 mi south of State Route 524, and 1.5 mi west of Farmingdale.

DRAINAGE AREA.--33.5 mi<sup>2</sup>

RECORD.--Periodic record, 1959-64, 1966-67, 1973-74

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	8.5	9.5	14.5	16.5	22.0	22.0	19.5	10.0	9.0	--	--
Median	3.5	8.5	9.5	11.5	15.5	22.0	19.0	16.5	10.0	9.0	--	--
Minimum	3.5	8.5	6.0	7.5	13.5	22.0	16.0	14.5	10.0	9.0	--	--
25th percentile	3.5	8.5	6.0	8.0	13.5	22.0	18.5	14.5	10.0	9.0	--	--
75th percentile	3.5	8.5	9.5	14.5	16.5	22.0	21.5	19.0	10.0	9.0	--	--
No. of obs.	1	1	3	4	5	1	8	4	1	1	0	0

## MANASQUAN RIVER BASIN

## 01407910 MANASQUAN RIVER AT FARMINGDALE, NJ

LOCATION.--Latitude 40°11'02", longitude 74°79'10", Monmouth County, Hydrologic Unit 02030104, at bridge on Preventorium Road, 1.0 mi southwest of Farmingdale, and 1.7 mi northwest of Squankum.

DRAINAGE AREA.--34.3 mi<sup>2</sup>

RECORD.--Periodic record, 1970-74, 1981

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	9.0	7.5	12.5	17.0	19.0	19.5	20.5	17.0	9.0	--	--
Median	3.5	7.0	6.5	10.5	17.0	19.0	18.0	19.5	13.5	9.0	--	--
Minimum	1.5	4.0	4.5	7.5	17.0	19.0	17.5	16.0	11.5	9.0	--	--
25th percentile	1.5	4.5	4.5	7.5	17.0	19.0	17.5	16.0	12.0	9.0	--	--
75th percentile	5.0	8.5	7.5	12.5	17.0	19.0	19.0	20.5	14.0	9.0	--	--
No. of obs.	2	4	3	3	1	1	4	3	7	1	0	0

## MANASQUAN RIVER BASIN

## 01407997 MARSH BOG BROOK AT SQUANKUM, NJ

LOCATION.--Latitude 40°10'01", longitude 74°09'33", Monmouth County, Hydrologic Unit 02040301, at bridge on Squankum-Yellow Brook Road in Squankum, and 0.2 mi upstream from mouth.

DRAINAGE AREA.--4.91 mi<sup>2</sup>

RECORD.--Periodic record, 1970-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	7.5	10.0	18.0	19.5	22.0	22.0	23.5	20.0	23.5	8.0	--
Median	1.5	3.0	5.0	9.5	14.0	18.0	19.5	19.5	16.0	14.0	4.5	--
Minimum	.0	.0	1.0	6.0	10.0	13.0	16.0	15.5	14.0	7.0	4.5	--
25th percentile	.0	2.5	4.5	7.0	12.5	16.5	18.5	17.5	15.0	11.5	4.5	--
75th percentile	4.0	3.5	8.0	13.5	17.0	19.5	21.0	22.0	16.5	15.0	8.0	--
No. of obs.	8	11	13	11	13	11	18	18	9	18	3	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## MANASQUAN RIVER BASIN

## 01408000 MANASQUAN RIVER AT SQUANKUM, NJ

LOCATION.--Latitude 40°09'47", longitude 74°09'21", Monmouth County, Hydrologic Unit 02040301, on right bank 50 ft upstream from northbound bridge on State Highway 547 (Squankum Park Road) in Squankum, and 0.4 mi downstream from Marsh Bog Brook.

DRAINAGE AREA.--44.0 mi<sup>2</sup>

RECORD.--Periodic record, 1959-60, 1962-93; continuous record, 1969-74

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.5	10.0	13.0	17.0	26.0	22.0	25.0	28.0	24.5	23.5	12.5	8.0
Median	3.0	5.5	7.0	11.5	15.0	18.0	19.5	20.0	17.0	14.0	8.0	5.0
Minimum	.5	.0	2.0	5.5	11.5	13.5	17.0	15.5	13.0	8.0	4.0	.0
25th percentile	1.5	3.0	5.0	9.5	14.0	16.5	18.5	18.5	15.0	11.0	6.0	3.5
75th percentile	4.0	7.0	9.5	12.5	17.0	19.0	20.5	21.0	19.0	15.0	10.5	6.0
No. of obs.	22	20	32	30	26	28	36	27	23	34	23	18

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	11.5	9.0	13.5	19.5	20.0	22.5	24.5	24.0	22.5	19.0	15.5	12.0
Median	5.0	4.5	7.0	10.5	15.0	18.0	20.0	20.0	17.0	13.5	8.5	6.5
Minimum	.5	1.0	2.5	3.5	10.0	13.5	16.0	14.5	11.5	5.0	3.5	.0

## MANASQUAN RIVER BASIN

## 01408020 MINGAMAHONE BROOK AT SQUANKUM, NJ

LOCATION.--Latitude 40°09'56", longitude 74°09'01", Monmouth County, Hydrologic Unit 02040301, at bridge on State Route 525 in Squankum, 0.2 mi east of State Route 547, and 0.5 mi upstream from mouth.

DRAINAGE AREA.--10.7 mi<sup>2</sup>

RECORD.--Periodic record, 1966, 1970-74

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.5	5.0	9.0	15.0	16.5	21.0	20.5	23.0	19.5	15.0	8.0	--
Median	.5	4.0	8.0	10.0	14.5	19.0	19.5	20.0	18.0	13.5	6.5	--
Minimum	.5	3.5	4.5	8.5	12.5	17.0	19.0	19.0	16.0	10.0	5.0	--
25th percentile	.5	3.5	4.5	8.5	13.0	17.0	19.0	19.0	16.0	11.0	5.0	--
75th percentile	.5	5.0	9.0	15.0	16.0	21.0	20.5	22.5	19.5	15.0	8.0	--
No. of obs.	1	3	3	3	4	2	5	4	2	7	2	0

## MANASQUAN RIVER BASIN

## 01408030 MANASQUAN RIVER AT ALLENWOOD, NJ

LOCATION.--Latitude 40°08'35", longitude 74°07'03", Monmouth County, Hydrologic Unit 02040301, at bridge on Hospital Road, 0.7 mi above Garden State Parkway, 0.9 mi west of Allenwood, and 1.5 mi downstream from Mill Run.

DRAINAGE AREA.--63.9 mi<sup>2</sup>

RECORD.--Periodic record, 1966, 1970-74, 1982, 1989, 1993

REMARKS.--Possible tidal influence on water temperature at high tides.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	5.5	8.5	13.5	12.0	21.5	19.0	22.0	18.0	15.0	8.5	--
Median	3.5	5.5	7.0	10.0	12.0	19.0	19.0	21.0	17.0	15.0	5.0	--
Minimum	.0	5.0	3.5	8.5	12.0	16.0	19.0	17.0	17.0	15.0	3.5	--
25th percentile	.0	5.0	3.5	9.0	12.0	16.0	19.0	18.0	17.0	15.0	3.5	--
75th percentile	6.5	5.5	8.5	13.5	12.0	21.5	19.0	22.0	18.0	15.0	8.5	--
No. of obs.	2	3	3	5	1	3	1	6	3	1	3	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## METEDECONK RIVER BASIN

01408070 NORTH BRANCH METEDECONK RIVER NEAR WYCKOFF MILLS, NJ

LOCATION.--Latitude 40°10'52", longitude 74°17'17", Monmouth County, Hydrologic Unit 02040301, at bridge on Jackson Mills Road, 0.4 mi southwest of Georgia, and 3.1 mi southwest of Adelphia.

DRAINAGE AREA.--5.52 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	2.0	8.0	12.0	18.5	20.0	21.0	16.5	19.0	6.0	--	--
Median	4.0	1.0	3.5	9.5	14.0	19.0	19.5	15.0	17.0	5.0	--	--
Minimum	4.0	.0	1.5	5.0	12.0	15.0	14.0	13.0	15.0	3.5	--	--
25th percentile	4.0	.0	2.5	6.0	12.0	16.5	16.5	13.0	15.0	3.5	--	--
75th percentile	4.0	2.0	7.0	12.0	17.5	19.5	20.5	16.5	19.0	6.0	--	--
No. of obs.	1	5	5	4	7	5	5	3	2	2	0	0

## METEDECONK RIVER BASIN

01408120 NORTH BRANCH METEDECONK RIVER NEAR LAKEWOOD, NJ

LOCATION.--Latitude 40°05'30", longitude 74°09'10", Ocean County, Hydrologic Unit 02040301, on upstream right bank at bridge on State Route 549, 1.0 mi upstream from confluence with South Branch Metedeconk River, and 2.3 mi east of Lakewood.

DRAINAGE AREA.--34.9 mi<sup>2</sup>

RECORD.--Periodic record, 1972-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	10.0	12.0	19.0	22.0	25.5	24.0	29.0	22.0	24.0	14.5	8.0
Median	2.0	5.0	5.5	12.0	15.0	18.5	21.0	20.0	17.0	14.0	7.0	4.5
Minimum	.0	1.0	1.5	9.5	12.0	15.5	19.0	18.0	16.0	8.5	4.5	.5
25th percentile	1.0	1.5	4.0	11.5	14.0	17.0	20.0	19.0	16.5	12.5	6.0	2.5
75th percentile	4.5	6.5	9.0	14.5	16.0	23.0	21.5	23.5	20.0	15.0	12.5	7.5
No. of obs.	13	10	15	7	12	12	12	9	13	14	10	6

## METEDECONK RIVER BASIN

01408155 METEDECONK RIVER AT LAURELTON, NJ

LOCATION.--Latitude 40°03'58", longitude 74°08'01", Ocean County, Hydrologic Unit 02040301, at bridge on State Route 70, in Laurelton.

DRAINAGE AREA.--71.2 mi<sup>2</sup>

RECORD.--Periodic record, 1969-74, 1989

REMARKS.--Possible tidal influence on water temperature. Operated as part of the USGS-EPA Surveillance Network.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	6.0	13.5	18.0	20.5	24.0	27.5	25.5	18.5	19.5	11.0	6.5
Median	.5	4.5	8.0	13.0	17.0	22.5	23.5	22.5	17.0	13.0	9.0	5.0
Minimum	.0	2.0	3.5	11.0	14.5	19.0	20.0	21.5	16.0	10.0	8.0	4.0
25th percentile	.0	2.5	3.5	11.5	15.5	20.0	20.5	22.0	16.5	11.0	8.0	4.0
75th percentile	2.5	5.5	13.5	16.0	20.0	24.0	25.5	24.5	18.0	17.5	10.5	6.5
No. of obs.	3	5	3	5	5	4	6	6	6	6	5	3



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## TOMS RIVER BASIN

01408500 TOMS RIVER NEAR TOMS RIVER, NJ

LOCATION.--Latitude 39°59'10", longitude 74°13'29", Ocean County, Hydrologic Unit 02040301, on left bank 500 ft downstream of bridge on State Route 527 (Oak Ridge Parkway), 1.9 mi downstream from Union Branch, and 2.6 mi northwest of community of Toms River.

DRAINAGE AREA.--123 mi<sup>2</sup>

RECORD.--Periodic record, 1960-93; continuous record, 1963-66, 1974-81

REMARKS.--Diversions by Ciba-Geigy Incorporated since July 1966, 800 ft. upstream; the effluent is returned by pipeline directly into the Atlantic Ocean, thus bypassing this station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	9.0	12.5	20.0	22.5	23.0	24.0	27.0	23.0	17.0	13.5	10.0
Median	2.5	3.5	7.0	13.0	16.0	19.5	21.0	21.5	17.5	12.5	7.5	5.0
Minimum	.0	1.0	1.5	6.0	13.0	15.0	15.5	18.0	13.0	9.0	4.5	2.0
25th percentile	1.0	2.0	5.5	10.5	14.5	18.0	20.0	20.0	16.0	11.0	6.0	4.0
75th percentile	3.0	5.0	9.5	14.5	18.0	21.0	22.5	22.0	19.0	14.5	10.0	6.0
No. of obs.	30	24	33	24	28	25	45	26	38	18	36	20

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.5	12.0	16.5	21.5	23.5	25.0	28.0	26.5	25.5	18.5	16.0	11.0
Median	2.5	4.0	7.5	12.5	17.5	20.0	22.0	21.5	18.5	14.0	8.5	5.0
Minimum	.0	.0	1.0	4.0	9.5	14.5	15.5	15.0	13.0	6.5	3.0	.0

## TOMS RIVER BASIN

01408700 TOMS RIVER AT TOMS RIVER, NJ

LOCATION.--Latitude 39°57'01", longitude 74°11'56", Ocean County, Hydrologic Unit 02040301, at bridge on U.S. Highway 9 Alt., in Toms River.

DRAINAGE AREA.--163 mi<sup>2</sup>

RECORD.--Periodic record, 1969-74, 1989

REMARKS.--Possible tidal influence on water temperature. Operated as part of the USGS-EPA Surveillance Network.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	6.5	14.5	17.0	20.0	22.5	23.5	21.5	18.5	18.0	11.0	7.0
Median	1.0	4.0	8.0	12.0	16.5	21.0	21.0	21.0	16.5	11.0	8.0	4.5
Minimum	.5	2.5	5.0	11.5	14.5	18.5	19.0	17.5	16.0	10.5	6.0	3.0
25th percentile	.5	3.5	5.0	11.5	15.5	18.5	20.0	19.0	16.0	10.5	7.0	3.0
75th percentile	3.0	6.0	14.5	16.0	20.0	22.5	23.5	21.5	18.0	17.5	10.5	7.0
No. of obs.	3	5	3	4	5	3	5	6	6	5	5	3

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## OYSTER CREEK BASIN

01409095 OYSTER CREEK NEAR BROOKVILLE, NJ

LOCATION.--Latitude 39°47'54", longitude 74°15'02", Ocean County, Hydrologic Unit 02040301, on left bank 100 ft upstream from bridge on State Highway 532, 1.5 mi downstream from reservoir at Wells Mill, and 3.2 mi northeast of Brookville.

DRAINAGE AREA.--7.43 mi<sup>2</sup>

RECORD.--Periodic record, 1965-85; continuous record, 1975-76

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	8.0	12.0	13.5	18.0	20.0	20.5	20.0	19.0	14.5	13.5	9.0
Median	4.5	6.0	7.5	11.0	15.5	18.5	19.0	18.5	15.5	13.5	9.5	6.5
Minimum	1.0	3.0	4.0	8.0	11.5	14.0	15.0	16.0	14.0	9.0	6.0	4.0
25th percentile	3.5	5.0	6.5	9.0	14.0	17.0	17.5	17.0	15.0	10.5	8.0	5.0
75th percentile	6.0	7.0	9.5	12.0	16.0	19.0	19.5	19.5	17.5	14.0	11.0	8.0
No. of obs.	16	16	18	24	22	24	20	19	17	16	17	14

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	--	8.0	10.0	15.0	18.5	19.5	21.5	21.0	19.5	--	--	--
Median	--	7.0	7.0	10.5	15.5	17.5	18.5	18.0	15.5	--	--	--
Minimum	--	6.0	5.0	6.0	10.5	14.0	15.5	13.5	12.0	--	--	--

## CEDAR RUN BASIN

01409280 WESTECUNK CREEK AT STAFFORD FORGE, NJ

LOCATION.--Latitude 39°40'00", longitude 74°19'12", Ocean County, Hydrologic Unit 02040301, 30 ft downstream from dam, 0.2 mi south of Stafford Forge, 1.2 mi below Log Swamp Branch, and 2.0 mi west of Staffordville.

DRAINAGE AREA.--16.0 mi<sup>2</sup>

RECORD.--Periodic record, 1969-70, 1973-88

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	11.5	5.5	11.0	16.0	21.5	25.5	28.0	26.0	23.5	20.0	15.5	8.0
Median	3.5	5.0	9.0	12.0	17.0	22.0	23.5	23.0	20.0	13.5	10.0	5.5
Minimum	1.0	4.0	1.5	10.0	14.0	18.0	22.0	20.0	14.5	9.0	4.5	2.0
25th percentile	2.0	4.0	6.5	11.0	15.0	21.0	23.0	21.5	17.0	10.0	7.5	3.5
75th percentile	7.0	5.0	10.5	15.0	18.0	24.0	25.5	24.5	20.0	18.5	14.5	7.0
No. of obs.	9	6	12	11	7	9	9	9	12	8	8	9

## MULLICA RIVER BASIN

01409375 MULLICA RIVER NEAR ATCO, NJ

LOCATION.--Latitude 39°47'08", longitude 74°51'38", Camden County, Hydrologic Unit 02040301, on left bank, 50 ft downstream from Jackson-Medford Road, and 1.8 mi northeast of Pennsylvania-Reading Seashore Lines Railroad at Atco Street in Atco.

DRAINAGE AREA.--3.22 mi<sup>2</sup>

RECORD.--Periodic record, 1974-85, 1991-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	9.0	17.0	25.5	29.5	29.0	29.0	24.5	16.0	6.5	7.5	--
Median	1.5	6.0	12.5	18.5	24.5	26.5	27.0	22.0	16.0	6.0	2.0	--
Minimum	1.0	4.0	9.0	13.0	20.0	25.0	21.5	19.0	16.0	5.0	2.0	--
25th percentile	1.0	4.0	9.0	17.0	21.0	25.0	23.5	20.0	16.0	5.0	2.0	--
75th percentile	2.0	9.0	17.0	20.0	28.5	29.0	28.5	23.0	16.0	6.5	7.5	--
No. of obs.	2	3	3	7	4	3	5	10	1	2	3	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## MULLICA RIVER BASIN

01409387 MULLICA RIVER AT OUTLET OF ATSION LAKE AT ATSION, NJ

LOCATION.--Latitude 39°44'25", longitude 74°43'37", Burlington County, Hydrologic Unit 02040301, at bridge on U.S. Route 206 in Atsion, at outlet of Atsion Lake, and 0.2 mi upstream from Wesickaman Creek.

DRAINAGE AREA.--26.7 mi<sup>2</sup>

RECORD.--Periodic record, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	8.0	14.0	16.0	20.0	27.0	30.0	28.0	22.0	20.5	10.5	--
Median	2.5	3.5	8.0	10.5	18.0	22.5	24.5	24.0	21.0	15.0	9.0	--
Minimum	.0	.0	4.0	6.5	14.0	17.0	20.5	20.0	17.0	8.0	7.5	--
25th percentile	1.5	1.5	6.0	8.5	17.0	21.0	22.5	22.0	18.5	13.0	7.5	--
75th percentile	3.5	4.5	8.5	13.5	19.5	24.5	25.0	26.0	22.0	20.0	10.5	--
No. of obs.	9	9	9	11	9	9	16	15	8	10	2	0

## MULLICA RIVER BASIN

01409400 MULLICA RIVER NEAR BATSTO, NJ

LOCATION.--Latitude 39°40'28", longitude 74°39'55", Atlantic County, Hydrologic Unit 02040301, on right bank 2.4 mi upstream from Sleeper Branch, and 2.5 mi north of Batsto.

DRAINAGE AREA.--46.7 mi<sup>2</sup>

RECORD.--Periodic record, 1956-57, 1959-93

REMARKS.--Some regulation of flow from upstream cranberry bogs and Atsion Lake. Diversions from Sleeper Branch enter river upstream of gage and substantially increase the discharge at the gage.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	10.0	16.0	14.5	24.5	24.5	25.5	26.0	21.5	20.5	13.5	8.0
Median	2.5	3.5	9.0	12.0	18.0	21.0	23.0	22.0	17.5	14.5	8.0	4.5
Minimum	.0	1.5	.0	5.5	11.0	16.0	20.0	18.0	15.0	9.0	4.0	.5
25th percentile	1.5	2.0	6.0	8.0	15.5	20.0	21.5	20.5	15.5	12.0	7.0	2.5
75th percentile	4.5	5.0	12.5	13.0	20.0	22.0	24.5	24.0	20.0	16.0	10.0	6.0
No. of obs.	15	10	17	15	14	29	12	20	13	17	13	18

## MULLICA RIVER BASIN

01409416 HAMMONTON CREEK AT WESCOATVILLE, NJ

LOCATION.--Latitude 39°38'02", longitude 74°43'05", Atlantic County, Hydrologic Unit 02040301, at bridge on Chestnut Road in Wescoatville, 1.1 mi southwest of Nesco, 1.7 mi upstream from Norton Branch, and 3.8 mi southwest of Batsto.

DRAINAGE AREA.--9.57 mi<sup>2</sup>, revised.

RECORD.--Periodic record, 1974-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	9.5	12.0	16.0	19.0	23.0	22.5	23.5	24.0	17.0	12.0	--
Median	4.0	2.5	7.5	11.0	16.0	20.0	21.0	21.5	19.0	15.0	8.0	--
Minimum	1.0	.5	2.0	8.0	13.5	17.0	18.0	17.5	15.5	7.5	6.5	--
25th percentile	1.0	.5	6.0	8.5	14.5	18.0	19.5	20.5	16.0	10.0	6.5	--
75th percentile	5.0	4.5	10.5	12.5	19.0	21.0	21.5	22.0	23.5	17.0	12.0	--
No. of obs.	10	6	10	9	5	13	16	18	7	11	3	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## MULLICA RIVER BASIN

01409500 BATSTO RIVER AT BATSTO, NJ

LOCATION.--Latitude 39°38'33", longitude 74°39'00", Burlington County, Hydrologic Unit 02040301, on right bank 30 ft downstream from bridge on State Highway 542 at Batsto, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--67.8 mi<sup>2</sup>

RECORD.--Periodic record, 1956, 1960-93

REMARKS.--Considerable regulation of flow at times by sluice gates prior to December 1954 and by automatic Bascule and sluice gates since July 1959 at Batsto Lake, 300 ft upstream.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	8.0	15.5	18.0	21.0	25.5	26.0	27.0	19.0	22.0	13.0	10.0
Median	2.0	3.0	8.5	11.0	17.0	20.0	23.0	22.0	17.0	14.5	8.0	6.0
Minimum	.0	.0	.0	7.0	12.0	16.5	18.5	16.5	15.0	8.0	5.0	.5
25th percentile	1.0	2.0	5.5	9.0	15.5	19.0	22.0	21.0	16.5	12.0	7.0	3.0
75th percentile	4.5	6.0	10.5	12.0	19.0	21.5	24.0	24.0	18.5	15.0	12.0	6.0
No. of obs.	23	17	24	18	21	21	27	34	14	22	19	11

## MULLICA RIVER BASIN

01409810 WEST BRANCH WADING RIVER NEAR JENKINS, NJ

LOCATION.--Latitude 39°41'17", longitude 74°32'54", Burlington County, Hydrologic Unit 02040301, on right bank 900 ft downstream from Godfrey Bridge on Washington-Jenkins Road, 2.2 mi downstream from Hospitality Brook, and 1.2 mi southwest of Jenkins.

DRAINAGE AREA.--84.1 mi<sup>2</sup>

RECORD.--Periodic record, 1974-93; continuous record, 1978-81

REMARKS.--Some regulation of flow by cranberry bogs and small ponds.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	6.0	10.0	16.5	18.5	21.0	26.5	23.0	21.5	17.5	14.0	8.0
Median	2.5	3.0	7.0	12.0	17.0	20.0	22.0	20.5	19.0	13.0	9.0	3.0
Minimum	1.0	1.5	.0	10.0	14.0	15.5	19.5	17.5	15.0	9.0	4.0	.0
25th percentile	1.5	2.0	6.0	11.0	15.0	19.0	20.0	19.0	17.5	10.5	7.5	2.5
75th percentile	5.0	5.5	8.5	14.5	18.0	21.0	24.5	23.0	19.5	14.5	13.0	6.5
No. of obs.	12	6	7	13	7	11	6	8	11	11	9	11

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	10.0	17.0	19.5	24.5	26.0	27.5	26.5	24.5	19.5	14.0	10.5
Median	2.5	3.5	8.0	13.0	17.0	20.0	22.0	21.0	19.0	13.5	7.5	4.5
Minimum	.0	.0	1.0	6.0	11.5	13.5	16.0	16.5	11.5	7.0	3.5	.0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## MULLICA RIVER BASIN

## 01409815 WEST BRANCH WADING RIVER AT MAXWELL, NJ

LOCATION.--Latitude 39°40'30", longitude 74°32'28", Burlington County, Hydrologic Unit 02040301, at bridge on State Highway 563 in Maxwell, 2.2 mi southeast of Washington, 1.8 mi southwest of Jenkins, and 1.6 mi upstream from confluence with Oswego River.

DRAINAGE AREA.--85.9 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	3.0	14.5	14.5	21.0	19.5	25.0	24.5	22.5	16.0	13.5	7.0
Median	2.0	1.0	7.5	11.5	18.0	18.5	21.0	23.0	17.0	11.5	7.5	6.5
Minimum	.0	1.0	3.0	9.0	12.0	17.0	19.5	20.5	12.5	9.0	5.0	5.5
25th percentile	1.0	1.0	6.5	9.5	14.5	17.5	20.0	20.5	15.5	9.0	6.5	5.5
75th percentile	5.0	3.0	10.5	13.5	19.5	19.0	22.5	24.0	19.0	16.0	10.0	7.0
No. of obs.	17	3	18	5	17	6	17	6	15	3	15	2

## MULLICA RIVER BASIN

## 01410000 OSWEGO RIVER AT HARRISVILLE, NJ

LOCATION.--Latitude 39°39'47", longitude 74°31'26", Burlington County, Hydrologic Unit 02040301, on right bank 50 ft downstream from bridge on State Highway Spur 563 at Harrisville, and 0.3 mi upstream from confluence with West Branch Wading River.

DRAINAGE AREA.--72.5 mi<sup>2</sup>

RECORD.--Periodic record, 1959-71, 1973-93

REMARKS.--Flow regulated by Harrisville Pond 200 ft above station and by ponds and cranberry bogs 5 to 10 mi upstream. Flow probably reduced by ground-water outflow to nearby surface drainage basins, such as Oyster Creek.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	8.0	11.0	19.0	24.0	26.0	28.0	27.0	25.0	20.5	21.0	10.0
Median	3.5	4.0	7.0	11.0	17.5	21.0	24.0	23.5	20.0	15.0	9.0	4.5
Minimum	1.0	1.0	.0	5.0	12.0	13.0	17.5	18.0	17.0	7.5	5.5	2.0
25th percentile	2.0	2.5	5.5	9.5	15.0	18.5	21.5	20.5	19.0	12.5	6.5	3.5
75th percentile	5.0	5.5	9.5	13.5	18.5	23.5	25.5	25.0	22.0	17.0	13.5	8.0
No. of obs.	24	16	25	27	17	25	24	30	21	25	17	11

## MULLICA RIVER BASIN

## 01410150 EAST BRANCH BASS RIVER NEAR NEW GRETN, NJ

LOCATION.--Latitude 39°37'23", longitude 74°26'30", Burlington County, Hydrologic Unit 02040301, on left bank upstream of bridge on Stage Road, 0.7 mi west of Lake Absegami, 2.2 mi north of New Gretna, and 5.3 mi upstream from mouth.

DRAINAGE AREA.--8.11 mi<sup>2</sup>

RECORD.--Periodic record, 1969-70, 1973-93

REMARKS.--Some regulation of flow by Lake Absegami.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.0	10.5	18.0	18.5	20.0	23.0	23.5	20.0	16.5	13.0	11.0
Median	3.0	3.5	6.5	11.0	15.0	17.0	20.0	19.5	17.5	13.5	10.0	5.0
Minimum	.0	1.0	.0	6.0	12.0	11.5	14.0	15.0	14.0	9.0	6.0	1.0
25th percentile	2.0	3.0	5.5	8.0	14.0	15.5	19.0	18.0	16.0	11.0	6.5	2.5
75th percentile	4.5	5.5	8.0	12.0	16.0	18.0	21.0	20.5	19.0	15.5	12.5	8.0
No. of obs.	19	12	20	22	13	14	19	28	15	18	8	7

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## ABSECON CREEK BASIN

01410500 ABSECON CREEK AT ABSECON, NJ

LOCATION.--Latitude 39°25'45", longitude 74°31'16", Atlantic County, Hydrologic Unit 02040302, on right bank 30 ft downstream from Doughty Pond Dam of Atlantic City Water Department, 1.0 mi west of Absecon, and 3.4 mi upstream from mouth.

DRAINAGE AREA.--16.6 mi<sup>2</sup>

RECORD.--Periodic record, 1960, 1962-84, 1986-88, 1991

REMARKS.--Flow regulated by Doughty Pond and Kuehule Reservoir.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.0	5.0	10.5	17.0	22.0	26.0	28.0	29.0	28.0	22.0	16.0	8.0
Median	4.0	4.0	7.5	12.0	19.0	23.5	26.0	25.5	22.5	14.5	9.0	7.0
Minimum	2.0	2.0	3.5	5.0	14.0	21.0	23.5	22.0	17.0	10.0	5.0	2.0
25th percentile	2.5	3.0	6.0	10.5	17.5	21.5	25.0	23.0	19.0	13.5	8.0	3.5
75th percentile	5.0	4.5	9.5	14.5	21.5	24.5	28.0	28.0	23.5	16.5	11.5	7.5
No. of obs.	12	6	10	12	9	10	10	9	11	10	8	5

## GREAT EGG HARBOR RIVER BASIN

01410775 GREAT EGG HARBOR RIVER AT BERLIN, NJ

LOCATION.--Latitude 39°47'39", longitude 74°56'14", Camden County, Hydrologic Unit 02040302, at bridge and pumping station on Berlin-Albion Road in Berlin, and 8.2 mi upstream from Fourmile Branch.

DRAINAGE AREA.--1.88 mi<sup>2</sup>

RECORD.--Periodic record, 1964-70, 1972-73, 1975-78

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	6.5	15.5	22.5	24.5	24.0	24.5	19.5	15.5	14.0	--	--
Median	4.0	6.0	10.5	13.5	22.5	22.0	21.5	18.0	15.5	13.0	--	--
Minimum	4.0	5.5	7.5	8.5	20.5	20.0	16.5	14.5	13.5	11.5	--	--
25th percentile	4.0	5.5	8.5	11.0	21.0	20.5	18.0	14.5	14.0	11.5	--	--
75th percentile	4.0	6.5	15.0	18.5	24.0	23.5	24.0	19.5	15.5	14.0	--	--
No. of obs.	1	2	7	5	4	4	5	3	4	2	0	0

## GREAT EGG HARBOR RIVER BASIN

01410784 GREAT EGG HARBOR RIVER NEAR SICKLERVILLE, NJ

LOCATION.--Latitude 39°44'02", longitude 74°57'05", Camden County, Hydrologic Unit 02040302, at bridge on Sicklerville-New Freedom Road (Spur 536), 1.5 mi northeast of Sicklerville, and 2.7 mi upstream of New Brooklyn Lake dam.

DRAINAGE AREA.--15.1 mi<sup>2</sup>

RECORD.--Periodic record, 1972-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	10.0	11.5	12.0	20.0	23.0	23.0	24.0	22.0	17.5	17.0	9.5
Median	2.0	4.0	8.0	10.5	15.5	18.5	20.5	18.5	16.0	12.0	7.5	7.5
Minimum	.5	1.5	1.0	7.0	11.0	14.0	18.0	15.0	11.0	10.0	4.5	5.0
25th percentile	1.5	2.5	6.0	10.0	14.5	17.0	19.0	18.0	15.0	10.5	5.0	6.0
75th percentile	3.5	7.5	9.0	11.5	16.0	20.0	21.5	20.5	19.0	14.0	14.0	9.5
No. of obs.	13	13	16	14	12	18	23	25	16	17	5	5

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## GREAT EGG HARBOR RIVER BASIN

## 01410787 GREAT EGG HARBOR RIVER TRIBUTARY AT SICKLERVILLE, NJ

LOCATION.--Latitude 39°43'31", longitude 74°57'39", Camden County, Hydrologic Unit 02040302, on left bank on upstream wingwall of bridge on Blackwood-New Brooklyn Road, 0.7 mi northeast of Sicklerville, and 0.8 mi upstream from mouth.

DRAINAGE AREA.--1.64 mi<sup>2</sup>

RECORD.--Periodic record, 1972-1979

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	11.5	14.5	17.0	20.0	27.5	31.0	30.0	26.0	19.0	10.0	9.0
Median	4.0	6.0	9.0	11.5	16.0	22.0	25.0	25.5	19.5	14.5	7.5	6.0
Minimum	2.0	2.5	4.5	9.0	15.0	17.0	17.5	14.5	12.0	1.5	2.5	3.5
25th percentile	3.0	4.0	7.0	10.0	15.5	18.0	22.0	22.0	16.0	12.5	4.0	5.5
75th percentile	5.0	9.5	11.0	14.5	19.0	26.0	26.0	27.0	21.5	16.5	9.5	8.5
No. of obs.	14	10	16	15	11	11	9	12	11	13	7	7

## GREAT EGG HARBOR RIVER BASIN

## 01410789 GREAT EGG HARBOR TRIBUTARY 2 AT WINSLOW CROSSING, NJ

LOCATION.--Latitude 39°42'17", longitude 74°57'01", Camden County, Hydrologic Unit 02040302, on Sicklerville Road, 1.2 mi southeast of Winslow Crossing, and at head of storm sewer which runs into Great Egg Harbor River 0.7 mi downstream.

DRAINAGE AREA.--0.52 mi<sup>2</sup>

RECORD.--Periodic record, 1972-1979

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	12.5	15.0	19.5	24.0	28.0	27.0	28.0	26.0	17.0	10.5	9.5
Median	3.0	3.0	8.0	13.5	19.0	22.5	25.0	24.0	18.5	13.0	4.5	8.0
Minimum	1.0	1.0	4.5	6.0	14.0	18.0	18.0	18.0	15.5	8.5	3.0	2.0
25th percentile	2.0	1.0	7.0	9.5	15.0	18.5	20.5	21.0	17.0	10.5	4.0	4.0
75th percentile	5.0	12.0	13.0	16.0	19.5	24.5	27.0	25.0	21.0	16.0	9.5	9.0
No. of obs.	10	7	10	11	11	12	6	15	12	10	5	9

## GREAT EGG HARBOR RIVER BASIN

## 01410803 FOURMILE BRANCH AT WINSLOW CROSSING, NJ

LOCATION.--Latitude 39°42'07", longitude 74°58'11", Camden County, Hydrologic Unit 02040302, 1.0 mi south of Sicklerville, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--6.22 mi<sup>2</sup>

RECORD.--Periodic record, 1972-78, 1990-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	10.0	13.0	13.5	20.5	22.0	21.0	20.0	19.0	19.0	13.0	9.5
Median	5.0	5.5	8.0	11.0	16.0	17.5	18.0	18.5	15.0	13.0	8.5	6.5
Minimum	4.0	.0	7.0	9.0	14.5	14.5	16.0	16.0	12.0	10.0	6.0	1.0
25th percentile	4.5	4.0	7.0	10.0	16.0	15.0	17.0	17.0	14.0	10.0	6.5	4.0
75th percentile	6.0	9.5	12.0	13.0	16.5	19.5	19.5	19.5	18.0	15.0	11.0	8.0
No. of obs.	5	6	4	7	8	9	6	11	10	7	5	6

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## GREAT EGG HARBOR RIVER BASIN

01410810 FOURMILE BRANCH AT NEW BROOKLYN, NJ

LOCATION.--Latitude 39°41'47", longitude 74°56'25", Camden County, Hydrologic Unit 02040302, on left bank 70 ft upstream from bridge on Malaga Road, 0.3 mi northeast of New Brooklyn, and 0.3 mi upstream from mouth.

DRAINAGE AREA.--7.74 mi<sup>2</sup>

RECORD.--Periodic record, 1971-79, 1982, 1989-93

REMARKS.--Some regulation of flow by sewage treatment plant upstream.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	10.5	14.0	15.0	19.5	23.0	23.0	23.5	22.0	17.0	15.5	8.0
Median	4.5	5.0	9.5	12.0	15.0	17.5	19.5	19.5	15.5	12.0	8.0	6.0
Minimum	2.0	.0	4.0	9.0	12.5	14.0	17.0	15.5	13.0	8.5	4.5	3.0
25th percentile	3.5	3.5	8.0	10.5	13.0	16.0	18.0	18.5	14.0	9.0	6.5	5.0
75th percentile	5.0	8.0	11.0	13.5	17.0	19.5	21.5	20.0	17.5	14.5	11.0	7.5
No. of obs.	13	10	13	13	16	16	10	15	9	13	9	11

## GREAT EGG HARBOR RIVER BASIN

01410820 GREAT EGG HARBOR RIVER NEAR BLUE ANCHOR, NJ

LOCATION.--Latitude 39°40'09", longitude 74°54'49", Camden County, Hydrologic Unit 02040302, on downstream side of bridge on Broad Lane Road, 2.1 mi downstream from confluence of Fourmile Branch, and 1.9 mi southwest of Blue Anchor.

DRAINAGE AREA.--37.3 mi<sup>2</sup>

RECORD.--Periodic record, 1972-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	10.5	13.0	15.0	20.5	23.0	22.5	22.0	19.0	16.5	11.0	10.0
Median	3.0	5.0	7.5	11.0	15.0	18.0	19.0	19.0	15.5	11.5	7.0	5.0
Minimum	.5	1.5	4.5	7.5	12.0	14.5	18.0	15.0	14.0	1.5	3.5	2.0
25th percentile	1.5	3.5	7.0	9.5	13.5	16.5	18.5	18.0	15.0	10.0	4.5	3.0
75th percentile	4.5	8.5	9.0	12.0	16.0	19.0	21.0	20.0	17.0	13.5	11.0	7.5
No. of obs.	17	14	21	19	17	19	24	28	12	23	8	12

## GREAT EGG HARBOR RIVER BASIN

01410865 SQUANKUM BRANCH AT MALAGA ROAD NEAR WILLIAMSTOWN, NJ

LOCATION.--Latitude 39°40'04", longitude 74°57'39", Gloucester County, Hydrologic Unit 02040302, at bridge on Malaga Road, 1.0 mi upstream from Hedges Branch, and 2.0 mi southeast of intersection of U.S. Route 322 with New Brooklyn Road in Williamstown.

DRAINAGE AREA.--3.02 mi<sup>2</sup>

RECORD.--Periodic record, 1974-78, 1990-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	0.0	10.0	15.5	20.0	20.0	22.0	22.0	20.0	15.5	14.0	--
Median	5.0	.0	9.5	13.5	17.0	19.0	20.5	18.0	19.5	15.5	12.5	--
Minimum	4.5	.0	9.0	11.5	13.5	16.0	18.0	17.0	18.0	11.5	7.5	--
25th percentile	4.5	.0	9.0	11.5	14.0	17.5	18.5	17.0	18.5	11.5	8.5	--
75th percentile	5.0	.0	10.0	15.5	19.5	20.0	21.5	21.0	20.0	15.5	13.5	--
No. of obs.	2	1	2	4	4	5	5	4	4	3	6	0



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## GREAT EGG HARBOR RIVER BASIN

## 01411000 GREAT EGG HARBOR RIVER AT FOLSOM, NJ

LOCATION.--Latitude 39°35'42", longitude 74°51'06", Atlantic County, Hydrologic Unit 02040302, on left bank 25 ft upstream from bridge on State Highway 54, 1.0 mi south of Folsom, and 2.0 mi upstream from Pennypot Stream.

DRAINAGE AREA.--57.1 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1960-93; continuous record, 1960-80

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	9.5	13.0	18.0	19.0	23.0	27.0	24.0	21.0	20.0	18.0	10.5
Median	3.0	3.5	7.0	10.5	16.0	18.5	20.5	19.0	16.5	13.0	10.0	4.0
Minimum	-.5	.0	.0	7.0	11.5	14.5	18.0	15.0	13.0	5.5	4.0	.0
25th percentile	2.0	1.0	6.0	10.0	14.0	16.5	19.5	18.0	14.5	11.0	7.0	3.0
75th percentile	5.0	5.0	9.0	12.5	18.0	19.5	22.0	20.0	18.0	14.5	12.0	8.5
No. of obs.	30	21	25	30	27	23	24	36	21	34	30	29

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.0	10.0	15.0	19.5	20.0	22.5	24.0	24.0	21.5	17.0	18.5	11.5
Median	2.5	2.5	6.5	12.0	15.0	18.0	19.5	19.0	16.0	11.5	9.0	5.0
Minimum	.0	.0	.0	3.5	9.0	11.5	15.5	13.5	11.5	5.5	1.0	.0

## GREAT EGG HARBOR RIVER BASIN

## 01411053 HOSPITALITY BRANCH AT BERRYLAND, NJ

LOCATION.--Latitude 39°36'31", longitude 74°54'34", Gloucester County, Hydrologic Unit 02040302, at bridge on Piney Hollow Road, 0.3 mi southwest of Berryland, 1.1 mi upstream from White Oak Branch, and 5.9 mi upstream from mouth.

DRAINAGE AREA.--20.0 mi<sup>2</sup>

RECORD.--Periodic record, 1975-78, 1980-83, 1986

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	7.5	21.5	22.5	26.0	24.0	25.0	25.0	16.0	15.0	--	--
Median	2.5	6.5	15.0	18.5	23.5	23.5	23.5	19.5	16.0	10.0	--	--
Minimum	2.5	5.5	10.0	17.5	21.5	22.0	21.5	17.0	13.0	4.0	--	--
25th percentile	2.5	5.5	10.5	17.5	22.5	22.5	22.5	18.0	13.0	4.0	--	--
75th percentile	2.5	7.5	20.5	21.5	24.0	24.0	24.5	23.0	16.0	15.0	--	--
No. of obs.	1	2	4	4	6	5	6	5	3	3	0	0

## GREAT EGG HARBOR RIVER BASIN

## 01411110 GREAT EGG HARBOR RIVER AT WEYMOUTH, NJ

LOCATION.--Latitude 39°30'50", longitude 74°46'47", Atlantic County, Hydrologic Unit 02040302, at bridge on U.S. Route 322 in Weymouth, 0.5 mi upstream from Deep Run, and 20.9 mi upstream from mouth.

DRAINAGE AREA.--154 mi<sup>2</sup>

RECORD.--Periodic record, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.5	11.0	22.0	21.5	23.0	23.5	23.0	18.0	18.0	13.0	--
Median	3.0	3.5	7.5	11.0	18.0	20.0	21.5	20.0	17.0	14.0	7.5	--
Minimum	.0	.5	5.0	9.0	13.0	16.0	19.5	17.0	13.0	10.0	4.5	--
25th percentile	1.0	1.5	7.0	10.0	17.0	18.5	21.0	19.0	15.0	12.0	5.5	--
75th percentile	5.0	7.0	8.0	14.0	19.0	21.0	22.5	22.0	18.0	15.0	9.5	--
No. of obs.	6	11	9	10	7	16	14	19	6	12	7	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## GREAT EGG HARBOR RIVER BASIN

01411140 DEEP RUN AT WEYMOUTH, NJ

LOCATION.--Latitude 39°30'26", longitude 74°46'56", Atlantic County, Hydrologic Unit 02040206, at bridge on State Highway 559, 0.3 mi upstream of mouth, and 0.5 mi southwest of Weymouth.

DRAINAGE AREA.--20.0 mi<sup>2</sup>

RECORD.--Periodic record, 1975-78, 1980-83, 1985-86

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	1.0	9.5	20.5	17.5	21.5	21.0	22.0	20.0	14.0	7.0	--
Median	5.0	1.0	9.5	14.5	16.0	20.0	19.0	19.5	16.0	12.5	6.0	--
Minimum	5.0	1.0	9.5	9.5	14.5	18.0	19.0	16.0	13.0	10.0	6.0	--
25th percentile	5.0	1.0	9.5	10.5	15.0	19.0	19.0	17.0	13.5	10.5	6.0	--
75th percentile	5.0	1.0	9.5	19.0	17.0	20.5	20.5	21.0	19.0	14.0	7.0	--
No. of obs.	1	1	1	4	4	6	5	8	7	4	3	0

## GREAT EGG HARBOR RIVER BASIN

01411170 GREAT EGG HARBOR RIVER AT MAYS LANDING, NJ

LOCATION.--Latitude 39°27'13", longitude 74°44'04", Atlantic County, Hydrologic Unit 02040206, at bridge on Route 559, at outlet of Lake Lenape, 0.4 mi west of intersection of State Route 50 with U.S. Route 40 in Mays Landing.

DRAINAGE AREA.--205 mi<sup>2</sup>

RECORD.--Periodic record, 1975-78, 1988-89, 1991, 1993

REMARKS.--Possible tidal influence on water temperature.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	2.0	12.0	24.0	24.0	25.0	26.0	26.0	22.0	17.0	9.5	--
Median	4.5	2.0	12.0	16.0	18.5	24.0	25.0	23.0	22.0	15.5	5.5	--
Minimum	4.5	2.0	12.0	11.5	17.5	19.0	22.0	22.0	21.0	13.5	5.0	--
25th percentile	4.5	2.0	12.0	11.5	17.5	22.5	22.5	22.5	21.0	14.5	5.0	--
75th percentile	4.5	2.0	12.0	24.0	22.5	25.0	26.0	26.0	22.0	17.0	9.5	--
No. of obs.	1	1	1	3	4	7	4	5	3	5	3	0

## TUCKAHOE RIVER BASIN

01411300 TUCKAHOE RIVER AT HEAD OF RIVER, NJ

LOCATION.--Latitude 39°18'25", longitude 74°49'15", Cape May County, Hydrologic Unit 02040302, on right bank at highway bridge on State Route 49, 0.2 mi upstream from McNeals Branch, 0.4 mi southeast of Head of River, and 3.7 mi west of Tuckahoe.

DRAINAGE AREA.--30.8 mi<sup>2</sup>

RECORD.--Periodic record, 1959-63, 1970-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.0	13.0	22.0	20.5	25.0	28.0	28.0	25.5	17.5	17.0	10.5
Median	2.0	2.5	8.0	12.0	16.5	19.0	22.0	20.5	19.5	12.0	10.0	5.0
Minimum	.0	.0	3.0	8.0	9.5	16.0	17.0	17.5	12.5	9.0	5.0	1.0
25th percentile	1.0	.5	6.0	10.0	14.0	17.5	20.5	19.5	16.0	11.5	8.5	3.0
75th percentile	4.5	5.0	10.5	14.0	19.5	20.0	24.0	23.0	21.0	15.0	12.5	8.0
No. of obs.	14	16	17	23	15	17	13	21	17	17	13	15

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## MAURICE RIVER BASIN

01411456 LITTLE EASE RUN NEAR CLAYTON, NJ

LOCATION.--Latitude 39°39'32", longitude 75°04'04", Gloucester County, Hydrologic Unit 02040206, on right bank 30 ft downstream from bridge on Academy Road (County Route 610), 0.9 mi west of Fries Mill, 1.3 mi east of Clayton, and 1.4 mi downstream from Beaverdam Branch.

DRAINAGE AREA.--9.77 mi<sup>2</sup>

RECORD.--Periodic record, 1976-78, 1980-83, 1987-93

REMARKS.--Occasional regulation of flow from unknown sources.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	6.0	8.0	15.5	14.0	22.0	19.0	23.5	23.0	12.0	11.0	7.0
Median	2.0	2.0	7.0	10.0	14.0	19.5	19.0	20.0	18.0	11.5	10.0	7.0
Minimum	2.0	.0	6.0	9.0	14.0	16.5	18.5	16.5	15.0	10.5	9.0	2.0
25th percentile	2.0	.0	6.0	9.0	14.0	16.5	18.5	16.5	16.0	10.5	9.0	2.0
75th percentile	2.0	6.0	8.0	12.0	14.0	22.0	19.0	23.0	21.5	12.0	11.0	7.0
No. of obs.	1	3	2	7	2	2	2	7	5	2	3	3

## MAURICE RIVER BASIN

01411500 MAURICE RIVER AT NORMA, NJ

LOCATION.--Latitude 39°29'42", longitude 75°04'38", Salem County, Hydrologic Unit 02040206, on right bank just upstream from bridge on Almond Road (State Route 540) at Norma, and 0.8 mi downstream from Blackwater Branch.

DRAINAGE AREA.--112 mi<sup>2</sup>

RECORD.--Periodic record, 1960-93; continuous record, 1980-86, 1992-93; daily record, 1966-68

REMARKS.--Occasional regulation of flow by ponds above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	11.0	12.5	19.0	24.0	24.5	28.0	30.0	24.0	18.5	17.5	11.0
Median	3.0	3.5	8.0	13.0	18.0	21.0	23.0	22.5	18.0	15.0	9.5	4.5
Minimum	.0	.0	3.0	6.0	10.5	17.0	18.0	16.5	11.0	9.5	4.0	1.0
25th percentile	1.5	2.5	6.0	11.5	16.0	19.5	22.0	21.5	17.0	12.0	7.0	2.5
75th percentile	4.0	5.0	9.5	15.0	19.5	21.5	24.0	24.0	20.0	16.0	12.5	6.5
No. of obs.	27	19	33	23	36	26	28	25	35	26	30	22

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.0	11.5	16.5	21.5	24.5	26.0	28.5	28.0	25.5	22.5	17.5	14.5
Median	3.5	4.0	8.0	13.0	18.0	21.5	24.0	22.5	19.5	14.5	9.5	5.0
Minimum	.0	.5	.0	3.5	11.5	15.0	19.0	16.0	13.5	8.0	3.5	.0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	4.5	11.0	15.5	18.5	22.0	22.0	23.0	21.5	21.0	12.0	9.0
Median	4.0	4.0	10.0	13.0	16.5	19.0	22.0	22.0	21.0	13.5	10.0	6.0
Minimum	2.0	3.5	6.5	9.5	12.0	17.0	21.0	21.0	20.0	10.5	6.0	4.0
25th percentile	3.0	3.5	8.5	11.0	12.5	17.5	21.0	21.0	20.0	12.0	8.0	4.5
75th percentile	5.0	4.5	11.0	14.5	17.5	21.5	22.0	23.0	21.5	16.0	11.0	7.0
No. of obs.	17	7	8	9	9	4	3	4	4	19	17	20

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## MAURICE RIVER BASIN

01411800 MAURICE RIVER NEAR MILLVILLE, NJ

LOCATION.--Latitude 39°26'52", longitude 75°04'22", Cumberland County, Hydrologic Unit 02040206, on left bank at downstream side of bridge on Sherman Avenue (State Route 552), 1.1 mi downstream from Muddy Run, 3.2 mi northwest of Millville, and 3.3 mi upstream from Union Lake Dam.

DRAINAGE AREA.--191 mi<sup>2</sup>

RECORD.--Periodic record, 1966, 1968-70, 1975-78, 1991-93

REMARKS.--Some regulation of flow from Willow Grove and Rainbow Lakes and other lakes above headwaters.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	4.5	12.0	20.5	21.5	23.0	22.0	24.0	21.0	16.0	17.0	7.5
Median	8.5	4.0	11.5	16.0	18.5	20.0	20.5	22.0	19.0	15.5	7.5	5.0
Minimum	8.5	3.0	5.0	10.5	15.0	18.0	18.0	20.5	15.0	15.0	4.5	2.0
25th percentile	8.5	3.0	5.0	11.5	15.5	18.5	18.0	21.0	16.5	15.0	4.5	2.0
75th percentile	8.5	4.5	12.0	18.5	21.0	22.0	22.0	23.5	20.0	16.0	17.0	7.5
No. of obs.	1	2	3	5	4	5	3	6	8	2	3	2

## MAURICE RIVER BASIN

01411880 MAURICE RIVER AT SHARP STREET AT MILLVILLE, NJ

LOCATION.--Latitude 39°24'01", longitude 75°03'15", Cumberland County, Hydrologic Unit 02040206, at bridge on Sharp Street, 200 ft downstream from Union Lake, and 0.9 mi northwest of Millville.

DRAINAGE AREA.--218 mi<sup>2</sup>

RECORD.--Periodic record, 1973-78, 1988-89, 1991-92

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	10.0	19.0	24.0	22.5	24.5	28.5	24.0	18.0	15.0	7.0	--
Median	3.0	8.0	14.0	19.0	21.5	23.5	25.0	20.0	17.0	10.0	5.0	--
Minimum	3.0	6.0	11.5	17.0	17.0	23.0	24.5	19.0	16.0	5.0	2.5	--
25th percentile	3.0	6.0	12.0	18.0	19.0	23.0	24.5	19.0	16.0	5.0	2.5	--
75th percentile	3.0	10.0	18.0	22.5	22.5	24.5	27.5	23.0	18.0	15.0	7.0	--
No. of obs.	1	2	4	5	5	5	4	7	2	2	2	0

## MAURICE RIVER BASIN

01412000 MENANTICO CREEK NEAR MILLVILLE, NJ

LOCATION.--Latitude 39°25'12", longitude 74°58'00", Cumberland County, Hydrologic Unit 02040206, on right bank of upstream side of Millville-Milway Highway bridge, 4.0 mi northeast of Millville, and 7.0 mi upstream from mouth.

DRAINAGE AREA.--22.3 mi<sup>2</sup>

RECORD.--Periodic record, 1977-86, 1989

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	11.0	6.0	10.0	14.0	17.0	26.0	28.0	28.0	23.0	16.5	13.0	7.0
Median	4.0	5.0	8.0	10.0	15.0	21.0	25.5	23.5	21.0	13.0	10.5	4.0
Minimum	2.0	3.5	4.0	8.0	12.0	19.0	22.5	22.0	21.0	11.0	5.0	2.0
25th percentile	2.0	3.5	4.5	8.0	12.5	19.0	22.5	22.0	21.0	11.5	5.5	2.0
75th percentile	6.0	6.0	9.5	14.0	16.5	26.0	28.0	26.0	23.0	15.5	12.0	7.0
No. of obs.	8	2	6	3	4	3	2	5	3	5	5	3

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE BAY

## 01412350 DELAWARE BAY AT SHIP JOHN SHOAL LIGHTHOUSE, NJ

LOCATION.--Latitude 39°18'19", longitude 74°22'37", Cumberland County, Hydrologic Unit 02040204, water-quality recorder on light ship in bay opposite Bombay Hook Island, Del., and 3.0 mi south southwest of mouth of Cohansey River, NJ

RECORD.--Continuous record, 1970-85

REMARKS.--Possible tidal influence on water temperature.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	11.0	8.5	12.0	23.5	35.5	27.5	30.0	33.0	29.0	24.0	17.5	11.5
Median	2.0	1.5	6.0	10.5	16.5	22.5	25.5	26.0	23.5	17.0	11.5	6.0
Minimum	.0	.0	.0	3.0	11.5	18.0	20.0	21.5	17.5	10.5	2.5	.0

## COHANSEY RIVER BASIN

## 01412500 WEST BRANCH COHANSEY RIVER AT SEELEY, NJ

LOCATION.--Latitude 39°29'06", longitude 74°15'33", Cumberland County, Hydrologic Unit 02040206, on right bank 15 ft upstream from County Bridge H-31 at Seeley, 450 ft upstream from mouth, and 4.1 mi northwest of Bridgeton.

DRAINAGE AREA.--2.55 mi<sup>2</sup>

RECORD.--Periodic record, 1961-67, 1986, 1991

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	1.5	12.0	10.5	14.5	16.5	19.0	22.0	17.0	16.0	13.0	8.5
Median	4.0	1.5	8.0	10.0	14.0	16.5	18.5	16.0	16.5	14.5	10.0	5.5
Minimum	.0	1.5	4.0	5.0	13.5	16.5	18.0	13.0	14.5	13.5	6.0	2.0
25th percentile	1.0	1.5	4.5	5.0	13.5	16.5	18.0	15.0	14.5	13.5	7.0	3.5
75th percentile	4.5	1.5	10.5	10.5	14.5	16.5	19.0	18.5	17.0	16.0	12.5	7.5
No. of obs.	4	1	6	3	4	1	6	6	3	3	4	5

## COHANSEY RIVER BASIN

## 01412800 COHANSEY RIVER AT SEELEY, NJ

LOCATION.--Latitude 39°28'21", longitude 75°15'21", Cumberland County, Hydrologic Unit 02040206, on right bank just downstream from bridge on Silver Lake Road, 0.6 mi south of Seeley, 2.6 mi east of Shiloh, 4.1 mi north of Bridgeton, and 22.5 mi upstream from mouth.

DRAINAGE AREA.--28.0 mi<sup>2</sup>

RECORD.--Periodic record, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	9.0	12.0	15.0	20.0	24.0	25.0	25.0	22.5	19.0	17.0	7.5
Median	4.0	3.5	8.0	12.0	17.5	19.0	22.5	22.5	19.0	14.0	10.0	5.0
Minimum	.0	.5	3.5	7.0	12.5	16.0	18.0	19.5	16.5	10.5	6.0	4.0
25th percentile	2.5	2.0	5.5	11.0	15.5	18.0	20.5	21.0	17.0	13.0	7.0	4.5
75th percentile	6.0	6.5	10.5	14.0	19.0	21.5	23.5	23.5	21.5	16.0	12.0	7.5
No. of obs.	11	11	13	17	20	17	20	27	9	19	13	5

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## COHANSEY RIVER BASIN

01413015 COHANSEY RIVER AT BRIDGETON, NJ

LOCATION.--Latitude 39°25'54", longitude 75°14'11", Cumberland County, Hydrologic Unit 02040206, at bridge on Washington Street, 1.3 mi downstream from Sunset Lake, 0.3 mi northwest of post office building in Bridgeton, and 18.6 mi upstream from mouth.

DRAINAGE AREA.--47.3 mi<sup>2</sup>

RECORD.--Periodic record, 1975-83

REMARKS.--Possible tidal influence on water temperature.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.5	10.5	13.5	22.0	23.0	28.0	27.0	24.0	19.5	17.0	8.5
Median	2.0	3.0	8.0	12.5	21.0	21.0	25.0	24.0	20.5	17.0	11.5	8.5
Minimum	.0	1.5	7.0	10.0	16.0	18.5	21.5	21.0	18.0	13.0	6.0	8.5
25th percentile	.0	1.5	7.0	11.0	17.0	19.5	22.5	22.0	18.0	14.0	6.0	8.5
75th percentile	3.5	5.0	10.5	13.0	21.5	21.5	26.0	26.0	24.0	19.0	17.0	8.5
No. of obs.	2	4	3	7	6	7	8	8	3	6	2	1

## DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, NY

LOCATION.--Latitude 41°22'14", longitude 74°41'52", Pike County, Pa., Hydrologic Unit 02040104, on right bank 250 ft downstream from bridge (on U.S. Highway 6 and 209) between Port Jervis, N.Y., and Matamoras, Pa., 1.2 mi upstream from Neversink River, and 6.5 mi downstream from Mongaup River.

DRAINAGE AREA.--3,070 mi<sup>2</sup>

RECORD.--Continuous record, 1973-93; daily, 1957-60

REMARKS.--Flow regulated by Lake Wallenpaupack and by Toronto, Cliff Lake, and Swinging Bridge Reservoirs and smaller reservoirs. Large diurnal fluctuations of flow at medium and low flows caused by powerplants on tributary streams. Subsequent to September 1954, entire flow from 371 mi<sup>2</sup> of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi<sup>2</sup> of drainage area controlled by Cannonsville Reservoir. Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.5	12.5	20.5	26.5	27.0	30.0	29.5	27.5	21.0	14.5	7.0
Median	.5	.5	2.5	8.5	15.0	21.0	23.5	23.0	19.0	12.0	6.0	1.5
Minimum	.0	.0	.0	.5	8.0	13.0	17.0	17.0	12.5	4.5	.0	.0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	7.0	10.0	20.5	23.5	26.5	29.5	28.0	26.5	21.5	12.0	9.0
Median	1.0	1.0	3.5	9.0	16.5	20.0	24.0	24.0	19.5	13.5	8.0	2.0
Minimum	-.5	-.5	.0	1.5	9.0	17.0	20.0	19.5	14.0	5.5	1.5	.0
25th percentile	.0	.0	1.5	5.5	14.5	19.0	22.0	22.0	17.0	11.0	6.0	1.0
75th percentile	1.5	2.0	4.5	13.0	18.5	22.0	25.5	25.5	23.0	15.0	9.0	4.5
No. of obs.	83	93	117	109	118	91	60	68	60	85	90	86

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01438500 DELAWARE RIVER AT MONTAGUE, NJ

LOCATION.--Latitude 41°18'33", longitude 74°47'44", Pike County, PA, Hydrologic Unit 02040104, on right bank 1,500 ft upstream from toll bridge (on U.S. Route 206) between Montague, NJ, and Milford, PA, 0.8 mi downstream from Sawkill Creek, and at river mile 246.3.

DRAINAGE AREA.--3,480 mi<sup>2</sup>

RECORD.--Periodic record, 1956, 1958-93

REMARKS.--Diurnal fluctuations of flow at medium flow and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack, Cliff Lake, and by Pepacton, Cannonsville, Swinging Bridge, Toronto, and Neversink Reservoirs and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.0	3.0	10.0	18.5	23.0	26.5	29.5	27.5	25.5	20.5	12.0	5.5
Median	.0	.0	3.0	10.0	14.5	20.5	23.5	22.5	19.0	12.0	6.0	1.0
Minimum	-.5	.0	1.0	5.0	11.0	13.0	17.0	18.0	14.5	6.0	2.5	.0
25th percentile	.0	.0	2.0	6.5	12.0	19.0	22.0	21.0	17.0	9.5	4.5	.5
75th percentile	.5	1.0	4.5	12.0	17.0	23.0	25.0	24.0	20.5	14.0	7.5	3.0
No. of obs.	16	15	24	32	31	60	45	44	55	54	32	16

## DELAWARE RIVER BASIN

## 01439830 BIG FLAT BROOK AT TUTTLES CORNER, NJ

LOCATION.--Latitude 41°12'00", longitude 74°48'56", Sussex County, Hydrologic Unit 02040104, at bridge on State Route 521, 0.7 mi west of intersection with U.S. Route 206 at Tuttles Corner, 1.2 mi south of Layton, and 2.0 mi above Little Flat Brook.

DRAINAGE AREA.--28.2 mi<sup>2</sup>

RECORD.--Periodic record, 1963, 1976-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.0	3.0	11.5	12.5	14.5	18.0	26.0	23.0	15.0	12.0	2.5	2.5
Median	1.0	.5	4.0	10.0	11.0	14.5	19.0	18.0	13.0	7.5	2.5	2.0
Minimum	1.0	.0	.0	2.0	9.0	14.0	17.0	15.0	9.0	6.0	2.5	.0
25th percentile	1.0	.0	1.5	5.0	10.0	14.0	17.5	18.0	10.0	6.0	2.5	.0
75th percentile	1.0	3.0	8.5	12.0	14.0	18.0	24.0	21.0	14.5	11.0	2.5	2.5
No. of obs.	1	3	5	5	7	3	5	7	4	4	1	3

## DELAWARE RIVER BASIN

## 01440000 FLAT BROOK NEAR FLATBROOKVILLE, NJ

LOCATION.--Latitude 41°06'24", longitude 74°57'09", Sussex County, Hydrologic Unit 02040104, on right bank 1.0 mi upstream from Flatbrookville, and 1.5 mi upstream from mouth.

DRAINAGE AREA.--64.0 mi<sup>2</sup>

RECORD.--Periodic record, 1956-57, 1959-93

REMARKS.--Flow occasionally regulated by ponds above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	3.5	12.0	15.0	21.0	24.0	25.0	24.0	21.5	17.0	9.0	6.0
Median	1.5	1.0	4.0	10.0	14.5	19.5	20.5	20.0	17.0	11.0	6.0	3.0
Minimum	.0	.0	.5	3.0	10.0	15.0	17.0	16.5	9.5	6.5	2.5	.0
25th percentile	.0	.0	2.5	7.0	13.0	17.0	19.5	19.0	15.0	10.0	4.5	2.0
75th percentile	2.5	2.0	5.5	11.0	17.0	20.0	22.5	22.0	19.0	13.5	7.5	4.0
No. of obs.	22	22	25	26	19	26	23	29	24	27	19	16

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA

LOCATION.--Latitude 41°02'40", longitude 75°01'42", Monroe County, Hydrologic Unit 02040104, water-quality recorder on right bank opposite Poxono Island, 0.1 mi upstream from mouth of Vancampers Brook, and 4.4 mi northeast of East Stroudsburg.

DRAINAGE AREA.--3,830 mi<sup>2</sup>, approximately

RECORD.--Continuous record, 1966-76

REMARKS.--No records available for period of May to October 1973.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	4.5	9.0	17.0	22.0	27.0	29.0	29.5	26.5	20.0	15.0	8.0
Median	.0	.0	3.5	9.0	15.0	21.0	24.5	23.5	20.0	14.0	6.0	1.5
Minimum	.0	.0	.0	2.0	8.0	13.0	17.0	18.5	14.0	7.0	.0	.0

## DELAWARE RIVER BASIN

## 01440200 DELAWARE RIVER BELOW TOCKS ISLAND DAMSITE NEAR DELAWARE WATER GAP, PA

LOCATION.--Latitude 41°00'42", longitude 75°05'09", Warren County, N.J., Hydrologic Unit 02040105, on left bank 40 ft streamward from River Road, 1.0 mi downstream from Tocks Island, 3.7 mi northeast of Delaware Water Gap, PA, 4.0 mi upstream from bridge on Interstate Route 80, and at mile 216.1.

DRAINAGE AREA.--3,850 mi<sup>2</sup>

RECORD.--Periodic record, 1964-72, 1974-80, 1982-88, 1991-93

REMARKS.--Diurnal fluctuation of flow at medium flow and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack, and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, and Neversink Reservoirs and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	5.0	7.0	16.5	16.5	20.0	28.0	28.5	23.5	15.0	7.5	3.0
Median	2.5	1.0	4.0	8.5	15.5	19.0	25.0	23.5	19.5	11.0	6.5	2.0
Minimum	2.5	.0	2.0	5.0	11.5	15.0	23.0	21.0	18.0	9.0	4.5	.0
25th percentile	2.5	.5	3.0	7.0	12.5	16.0	24.0	22.0	18.0	10.0	4.5	.0
75th percentile	2.5	3.0	5.5	10.0	16.5	20.0	27.0	26.0	20.5	12.5	7.5	3.0
No. of obs.	1	7	9	8	4	4	9	6	9	6	6	5



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01442750 DELAWARE RIVER AT DUNNFIELD, NJ

LOCATION.--Latitude 40°58'40", longitude 75°08'10", Warren County, Hydrologic Unit 02040104, at bridge on Interstate Highway 80, 4.0 mi downstream from gaging station, in Dunnfield.

DRAINAGE AREA.--4,150 mi<sup>2</sup>, approximately

RECORD.--Periodic record, 1966-76; daily record, 1966-76

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.0	2.0	9.5	10.5	18.5	26.0	26.5	26.5	22.5	14.0	8.0	7.0
Median	.0	.0	4.0	9.0	13.0	20.0	23.0	22.0	19.5	12.5	7.0	2.0
Minimum	.0	.0	.0	3.0	11.0	16.5	21.0	21.5	16.0	9.0	6.0	.5
25th percentile	.0	.0	3.5	6.0	12.0	18.0	22.0	21.5	18.0	10.0	6.0	1.0
75th percentile	.0	1.5	7.0	10.5	18.0	20.5	24.5	25.5	21.0	13.5	8.0	6.0
No. of obs.	2	4	7	5	5	7	7	4	9	4	2	7

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	5.0	10.0	16.0	21.0	28.0	29.0	27.0	24.0	21.0	15.0	11.0
Median	1.0	1.0	4.0	8.0	14.0	20.0	24.0	24.0	20.0	14.0	8.0	4.0
Minimum	.0	.0	.0	2.0	8.0	15.0	17.0	19.0	15.0	8.0	1.5	.0
25th percentile	.0	.0	3.0	7.0	12.0	19.0	22.0	22.0	18.5	12.0	6.0	2.0
75th percentile	2.0	2.0	6.0	10.0	16.0	22.0	24.0	24.0	21.0	15.0	10.0	6.0
No. of obs.	127	111	179	179	185	160	168	183	129	148	187	160

## DELAWARE RIVER BASIN

01443000 DELAWARE RIVER AT PORTLAND, PA

LOCATION.--Latitude 40°55'26", longitude 75°05'46", Northampton County, Hydrologic Unit 02040105, at walkbridge connecting Portland, PA and Columbia, N.J., and 0.5 mi upstream of Paulins Kill.

DRAINAGE AREA.--4,165 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.0	3.0	8.0	17.0	25.0	24.0	28.0	28.0	24.0	19.0	9.5	0.0
Median	.5	1.0	3.0	9.0	14.5	19.5	24.5	23.5	20.5	12.5	5.0	.0
Minimum	.5	.0	1.0	4.0	9.0	14.5	20.0	18.5	16.5	8.0	.0	.0
25th percentile	.5	.0	2.0	7.0	10.0	16.5	24.0	20.0	16.5	10.0	.0	.0
75th percentile	1.0	2.0	5.0	13.0	20.0	21.0	26.5	25.5	24.0	15.5	9.5	.0
No. of obs.	3	8	13	10	6	13	14	16	2	16	2	1

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01443440 PAULINS KILL AT BALESVILLE, NJ

LOCATION.--Latitude 41°06'20", longitude 74°45'19", Sussex County, Hydrologic Unit 02040105, at bridge on unnamed road at Balesville, 2.2 mi downstream from Dry Brook, and 3.4 mi north of Newton.

DRAINAGE AREA.--67.1 mi<sup>2</sup>

RECORD.--Periodic record, 1979-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	3.0	10.5	17.0	19.0	21.0	25.0	25.0	16.5	16.5	8.5	1.0
Median	1.0	1.0	5.0	12.0	14.0	18.0	20.5	20.5	15.5	9.0	7.5	1.0
Minimum	.0	.0	1.5	7.0	10.0	14.5	18.0	17.5	13.5	6.0	2.5	1.0
25th percentile	.5	.0	3.5	9.5	12.5	16.0	19.0	19.0	14.0	8.0	2.5	1.0
75th percentile	2.0	2.5	7.5	14.5	16.5	18.5	21.5	21.0	16.5	13.0	8.5	1.0
No. of obs.	7	6	11	6	10	7	14	15	4	11	3	1

## DELAWARE RIVER BASIN

01443500 PAULINS KILL AT BLAIRSTOWN, NJ

LOCATION.--Latitude 40°58'44", longitude 74°57'15", Warren County, Hydrologic Unit 02040105, on right bank 1,200 ft upstream from bridge on State Highway 94 in Blairstown, 1,400 ft upstream from Flairs Creek, and 10 mi upstream from mouth. Water-quality samples collected at bridge 1,200 ft downstream from gage at high flows.

DRAINAGE AREA.--126 mi<sup>2</sup>

RECORD.--Periodic record, 1956-57, 1959-93

REMARKS.--Flow regulated slightly by Swartswood Lake.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	4.0	10.5	16.0	20.5	23.5	27.0	27.0	27.0	17.0	11.0	7.0
Median	1.5	1.5	4.5	11.5	16.0	20.5	22.0	22.0	19.5	12.0	8.0	2.0
Minimum	.0	.0	.0	3.5	11.0	16.0	18.5	18.0	16.0	7.0	2.0	.5
25th percentile	.5	.5	3.0	8.0	15.0	18.0	21.0	20.0	18.5	10.0	5.0	1.0
75th percentile	2.5	2.5	6.5	12.5	18.0	21.5	23.0	24.0	22.0	14.5	8.0	4.0
No. of obs.	19	26	31	24	27	26	26	37	16	36	16	14

## DELAWARE RIVER BASIN

01443900 YARDS CREEK NEAR BLAIRSTOWN, NJ

LOCATION.--Latitude 40°58'51", longitude 75°02'25", Warren County, Hydrologic Unit 02040105, on left bank 100 ft upstream from bridge on Hainesburg-Mount Vernon Road, 1.4 mi downstream of Yards Creek Reservoir, 2.2 mi northeast of Hainesburg, 2.4 mi upstream from mouth, and 4.2 mi west of Blairstown.

DRAINAGE AREA.--5.34 mi<sup>2</sup>

RECORD.--Periodic record, 1966-93

REMARKS.--Flow regulated by the Jersey Central Power and Light Company at Yards Creek Reservoir 1.4 mi above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	5.0	9.0	15.5	19.0	23.0	24.5	24.0	26.0	16.0	13.0	8.0
Median	1.0	1.0	4.5	11.0	14.0	19.0	20.5	20.0	17.5	11.5	9.0	4.5
Minimum	.0	.0	.5	5.5	10.0	14.5	16.0	16.0	14.0	7.5	2.0	1.0
25th percentile	.5	1.0	2.0	8.5	14.0	18.0	19.5	19.0	16.0	9.5	5.0	2.0
75th percentile	2.5	2.5	6.5	12.0	18.0	21.0	22.0	23.0	19.5	13.0	10.0	6.0
No. of obs.	12	14	15	17	13	15	12	17	16	16	14	11

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01444100 PAULINS KILL AT MOUTH AT COLUMBIA, NJ

LOCATION.--Latitude 40°55'14", longitude 75°05'18", Warren County, Hydrologic Unit 02040205, at bridge on U.S. Route 46, 2.3 mi southwest of Polkville, and 3.2 mi southeast of Knowlton.

DRAINAGE AREA.--177 mi<sup>2</sup>

RECORD.--Periodic record, 1976-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.0	3.0	11.0	14.0	17.5	21.0	27.0	26.5	22.0	15.5	14.0	2.0
Median	.0	1.5	3.0	12.5	14.0	20.0	23.0	22.0	16.0	11.0	11.0	1.5
Minimum	.0	.0	.5	8.5	12.0	16.0	22.0	16.0	15.0	9.0	8.0	1.0
25th percentile	.0	.5	1.5	10.5	12.0	17.0	22.0	20.0	15.0	9.5	8.0	1.0
75th percentile	.0	2.5	8.5	13.5	15.5	21.0	24.0	23.0	22.0	15.0	14.0	2.0
No. of obs.	1	4	6	6	6	5	8	7	3	5	2	2

## DELAWARE RIVER BASIN

01444800 DELAWARE RIVER NEAR RICHMOND, PA

LOCATION.--Latitude 40°49'44", longitude 75°05'06", Warren County, Hydrologic Unit 02040105, at bridge at Belvidere, 4.1 mi southwest of Buttzville, and 200 ft upstream from Pequest River.

DRAINAGE AREA.--4,380 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82; daily record, 1962-64

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	11.0	15.0	16.0	22.0	29.0	27.5	25.0	18.0	.5	1.5	--
Median	1.5	4.0	12.0	14.5	21.0	25.0	24.5	21.5	14.0	.5	1.5	--
Minimum	.5	2.0	10.0	13.0	16.0	20.0	24.0	18.0	9.0	.5	1.5	--
25th percentile	.5	2.0	10.5	13.0	18.0	22.5	24.5	18.0	11.0	.5	1.5	--
75th percentile	2.0	10.0	14.5	16.0	21.5	28.0	27.0	25.0	16.5	.5	1.5	--
No. of obs.	2	7	5	2	5	5	5	2	5	1	1	0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	2.0	8.5	14.0	21.0	26.5	30.0	26.5	25.5	16.5	13.5	6.0
Median	1.5	1.0	3.0	9.0	16.5	21.0	26.0	24.0	20.0	14.0	7.0	1.0
Minimum	.0	.5	.5	2.0	9.0	17.0	20.0	20.0	13.0	.0	3.5	.0
25th percentile	.5	.5	1.5	7.0	14.5	19.5	24.5	22.0	18.5	9.0	4.5	.5
75th percentile	1.5	1.5	4.5	10.5	18.0	24.0	27.0	25.0	21.0	15.0	9.5	3.5
No. of obs.	59	57	62	60	62	60	62	62	59	62	60	61

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01445500 PEQUEST RIVER AT PEQUEST, NJ

LOCATION.--Latitude 40°49'50", longitude 74°58'43", Warren County, Hydrologic Unit 02040105, on right bank at Pequest, 100 ft upstream from abandoned Lehigh and Hudson River Railway bridge, and 300 ft downstream from Furnace Brook.

DRAINAGE AREA.--106 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	6.5	11.5	18.0	21.0	24.0	25.0	26.0	20.5	15.0	12.0	13.0
Median	2.0	2.0	5.0	11.5	15.5	18.5	19.5	19.0	16.0	11.5	8.5	3.5
Minimum	.0	.0	1.0	5.0	8.0	16.0	14.0	15.0	12.0	1.5	4.0	.0
25th percentile	1.5	1.0	3.0	10.0	13.5	16.5	18.0	17.0	14.0	9.5	5.0	2.5
75th percentile	3.0	3.0	8.0	14.0	18.5	19.5	20.0	21.0	17.0	13.0	10.0	6.0
No. of obs.	18	23	23	26	19	28	24	28	30	26	15	22

## DELAWARE RIVER BASIN

01446000 BEAVER BROOK NEAR BELVIDERE, NJ

LOCATION.--Latitude 40°50'40", longitude 75°02'48", Warren County, Hydrologic Unit 02040105, on right bank 2,000 ft upstream from mouth, and 2.0 mi east of Belvidere.

DRAINAGE AREA.--36.2 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-60, 1976-82, 1985-86, 1989, 1992-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.0	3.0	10.0	15.0	17.0	21.5	25.0	22.0	18.0	17.0	9.0	0.0
Median	.5	1.5	5.0	10.0	16.0	18.5	20.5	19.5	14.0	14.0	9.0	.0
Minimum	.0	1.0	2.0	4.0	14.0	15.0	18.0	17.5	11.0	8.0	9.0	.0
25th percentile	.0	1.0	3.0	5.0	14.5	16.0	19.0	18.0	12.5	9.5	9.0	.0
75th percentile	1.0	3.0	8.0	14.0	17.0	21.0	23.0	21.0	18.0	16.5	9.0	.0
No. of obs.	2	4	9	5	5	4	7	7	5	5	1	1

## DELAWARE RIVER BASIN

01446400 PEQUEST RIVER AT BELVIDERE, NJ

LOCATION.--Latitude 40°49'45", longitude 75°04'44", Warren County, Hydrologic Unit 02040105, at last highway bridge before mouth, and 0.3 mi upstream from mouth.

DRAINAGE AREA.--158 mi<sup>2</sup>

RECORD.--Periodic record, 1956-61, 1976-82, 1985-86, 1993

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	2.0	12.0	16.0	18.5	22.0	26.0	23.0	22.0	17.0	10.0	5.0
Median	1.0	2.0	8.0	12.5	15.5	19.0	21.5	21.0	17.0	14.5	8.5	3.0
Minimum	1.0	1.5	2.5	5.0	13.5	17.0	18.0	18.0	12.5	10.0	7.0	1.0
25th percentile	1.0	1.5	5.0	8.0	14.0	17.5	19.0	20.0	14.0	11.5	7.0	1.0
75th percentile	2.0	2.0	9.0	15.5	17.0	21.5	23.0	22.5	20.5	15.5	10.0	5.0
No. of obs.	3	2	7	5	6	4	8	8	5	8	2	2

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01446500 DELAWARE RIVER AT BELVIDERE, NJ

LOCATION.--Latitude 40°49'36", Longitude 75°05'02", Warren County, Hydrologic Unit 02040105, on left bank at Belvidere, 800 ft downstream from Pequest River, and at river mile 197.7.

DRAINAGE AREA.--4,535 mi<sup>2</sup>

RECORD.--Periodic record, 1959-80, 1982-89, 1992-93

REMARKS.--Diurnal fluctuations of flow at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack, and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, and Neversink Reservoirs and smaller reservoirs. Diversions from Pepacton, Cannonsville, and Neversink Reservoirs.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.5	4.0	10.0	14.0	16.0	22.0	28.5	28.0	25.5	16.0	14.5	5.0
Median	2.0	2.5	6.0	10.0	15.0	20.0	23.5	22.0	20.0	12.5	7.0	4.0
Minimum	.0	1.0	1.0	8.0	13.5	14.0	20.0	19.0	17.0	7.5	4.0	1.5
25th percentile	.5	1.0	3.5	8.5	13.5	17.0	20.5	20.5	18.5	11.0	4.5	2.0
75th percentile	3.0	4.0	9.0	13.0	16.0	21.0	26.5	24.5	21.0	14.5	9.5	5.0
No. of obs.	7	6	9	9	3	11	8	13	9	13	9	6

## DELAWARE RIVER BASIN

01446700 DELAWARE RIVER AT EASTON, PA

LOCATION.--Latitude 40°42'43", Longitude 75°11'48", Northampton County, Hydrologic Unit 02040105, on right bank 200 ft upstream from city of Easton pumping station, 1.2 mi upstream from Bushkill Creek at Easton.

DRAINAGE AREA.--4,636 mi<sup>2</sup>

RECORD.--Continuous record, 1968-78; daily record, 1947-49\*

REMARKS.--Diurnal fluctuation of flow at medium and low flows caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack and by Cannonsville, Pepacton, Singing Bridge, Toronto, Cliff Lake, and Neversink Reservoirs about 100 mi upstream and smaller reservoirs. Diversions from Cannonsville, Pepacton, and Neversink Reservoirs.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	13.0	16.5	20.5	25.5	28.5	32.5	30.5	30.5	21.5	18.0	10.0
Median	2.0	2.5	5.0	10.0	16.0	23.0	25.5	25.0	21.5	16.0	8.5	3.5
Minimum	.0	.0	.0	3.5	10.0	15.0	15.5	19.0	13.5	4.0	4.0	.0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	5.0	13.0	14.5	21.0	26.5	28.5	29.0	24.5	19.5	14.5	5.5
Median	1.0	1.0	4.0	10.0	16.0	21.0	25.5	25.0	21.0	14.5	8.5	1.0
Minimum	.5	.5	.5	6.5	11.5	16.0	23.5	20.5	16.5	10.0	2.0	.5
25th percentile	.5	.5	2.0	9.0	14.0	19.5	24.5	23.0	19.0	13.5	5.5	.5
75th percentile	2.5	2.0	6.5	12.0	18.0	24.5	26.0	26.5	22.0	15.5	10.5	3.5
No. of obs.	62	57	62	60	62	60	62	62	60	62	60	62

\* Measured before the study period of this report.

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01447000 DELAWARE RIVER AT NORTHAMPTON STREET AT EASTON, PA

LOCATION.--Latitude 40°41'30", longitude 75°12'15", Northampton County, Hydrologic Unit 02040105, at bridge on Northampton Street in Easton, 600 ft upstream from Lehigh River, and 0.2 mi downstream from U.S. Route 22 toll bridge in Easton.

DRAINAGE AREA.--4,717 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93; daily record, 1957-58

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	7.0	6.0	18.0	18.5	28.0	28.5	30.0	22.0	19.5	10.0	--
Median	1.5	2.5	4.0	8.5	12.5	20.0	26.0	24.0	19.0	12.5	7.5	--
Minimum	1.0	.5	.0	5.5	9.5	16.0	20.0	20.0	17.5	9.0	2.0	--
25th percentile	1.0	1.5	2.0	7.0	10.5	17.0	24.5	23.0	17.5	10.0	2.0	--
75th percentile	5.0	4.0	5.0	12.5	15.0	23.0	27.0	25.5	22.0	15.0	10.0	--
No. of obs.	3	10	9	9	6	15	15	16	3	14	3	0

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	2.0	7.0	15.5	18.0	23.5	26.0	28.0	25.0	17.0	14.0	6.0
Median	1.5	1.0	4.0	8.0	14.0	20.5	25.5	25.5	21.5	15.0	9.5	4.5
Minimum	1.0	.5	1.5	6.0	10.5	18.5	23.5	22.0	19.5	11.0	6.0	3.0
25th percentile	1.0	1.0	3.0	6.5	12.0	20.0	25.0	24.5	21.0	13.0	7.0	3.5
75th percentile	1.5	1.5	5.0	12.0	17.0	21.0	25.5	26.0	23.0	16.0	11.5	6.0
No. of obs.	11	18	31	29	29	25	21	21	14	27	30	4

## DELAWARE RIVER BASIN

01455100 LOPATCONG CREEK AT PHILLIPSBURG, NJ

LOCATION.--Latitude 40°40'38", longitude 75°10'13", Warren County, Hydrologic Unit 02040105, at bridge on Alternate U.S. Route 22 in Phillipsburg, 100 ft above tracks of Central Railroad of New Jersey, and 3,000 ft upstream from mouth.

DRAINAGE AREA.--14.2 mi<sup>2</sup>

RECORD.--Periodic record, 1959-64, 1979-82, 1991-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.0	10.0	9.5	15.0	17.0	17.0	17.5	23.0	16.0	11.5	11.0	--
Median	1.0	7.0	8.0	10.0	15.0	17.0	17.5	14.5	14.0	11.5	11.0	--
Minimum	1.0	3.0	6.0	6.5	11.0	15.0	14.0	12.5	11.5	11.5	11.0	--
25th percentile	1.0	3.0	6.0	7.5	14.0	15.0	14.0	13.0	12.5	11.5	11.0	--
75th percentile	1.0	10.0	9.5	13.0	16.5	17.0	17.5	21.0	15.5	11.5	11.0	--
No. of obs.	1	3	2	6	8	3	3	4	8	1	1	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01455160 BRASS CASTLE CREEK NEAR WASHINGTON, NJ

LOCATION.--Latitude 40°45'55", longitude 75°01'07", Warren County, Hydrologic Unit 02040105.

DRAINAGE AREA.--2.34 mi<sup>2</sup>

RECORD.--Periodic record, 1963-84

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.0	7.0	14.0	17.0	18.0	19.5	22.0	18.5	15.0	10.0	5.0
Median	1.5	2.0	5.0	8.0	14.5	15.5	18.5	18.5	15.0	11.5	8.0	3.0
Minimum	.0	.0	.5	3.0	10.0	13.0	14.0	15.0	12.0	7.0	5.0	.5
25th percentile	1.0	1.0	1.0	7.0	12.0	14.0	15.5	17.0	14.0	8.5	6.0	1.5
75th percentile	3.0	3.5	6.0	12.0	16.5	17.5	19.0	21.0	17.5	13.0	9.5	4.5
No. of obs.	7	10	7	13	6	9	10	14	10	17	5	8

## DELAWARE RIVER BASIN

01455200 POHATCONG CREEK AT NEW VILLAGE, NJ

LOCATION.--Latitude 40°42'57", longitude 75°04'20", Warren County, Hydrologic Unit 02040105, at bridge on Edison Road, 0.4 mi southeast of New Village, and 4.3 mi upstream from Merrill Creek.

DRAINAGE AREA.--33.3 mi<sup>2</sup>

RECORD.--Periodic record, 1959-69, 1979-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	5.0	12.0	18.0	16.0	30.0	31.0	29.5	26.0	18.0	13.0	7.0
Median	.0	1.5	7.0	12.0	12.0	19.0	22.5	20.0	15.5	11.0	9.5	2.5
Minimum	.0	.0	2.0	5.0	4.5	12.0	18.0	13.0	13.5	2.0	7.0	.0
25th percentile	.0	1.0	4.5	9.0	11.0	18.0	21.0	19.0	14.0	9.5	7.0	.5
75th percentile	2.5	3.0	9.0	13.5	13.0	21.0	25.0	21.5	23.5	12.0	13.0	5.0
No. of obs.	7	13	18	11	7	18	18	21	11	18	3	9

## DELAWARE RIVER BASIN

01455300 POHATCONG CREEK AT CARPENTERSVILLE, NJ

LOCATION.--Latitude 40°37'30", longitude 75°11'10", Warren County, Hydrologic Unit 02040105, at bridge on Carpentersville-Reigelsville Road, 2,000 ft above mouth, and 0.7 mi south of Carpentersville.

DRAINAGE AREA.--57.1 mi<sup>2</sup>

RECORD.--Periodic record, 1959-63, 1976-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	6.0	9.0	15.0	20.5	21.0	20.0	20.0	22.0	15.5	9.0	4.5
Median	1.5	1.0	6.5	10.0	15.0	17.5	19.5	18.0	19.0	11.5	8.5	4.0
Minimum	.5	1.0	3.0	3.5	11.0	15.0	17.5	15.0	14.5	10.0	8.0	3.0
25th percentile	.5	1.0	4.0	8.0	12.0	16.0	18.5	16.5	15.0	10.0	8.0	3.0
75th percentile	2.0	5.0	8.5	12.5	17.0	19.5	20.0	19.5	20.5	15.5	9.0	4.5
No. of obs.	3	4	4	11	8	5	6	6	7	3	2	2

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01455500 MUSCONETCONG RIVER AT OUTLET OF LAKE HOPATCONG, NJ

LOCATION.--Latitude 40°55'00", longitude 74°39'55", Morris County, Hydrologic Unit 02040105, on left bank just upstream of highway bridge, and 300 ft downstream from Lake Hopatcong Dam in Landing.

DRAINAGE AREA.--25.6 mi<sup>2</sup>

RECORD.--Periodic record, 1959-74, 1976-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	5.0	9.0	13.5	19.0	24.0	26.0	29.0	22.0	16.5	12.0	6.5
Median	1.5	2.5	5.5	9.0	16.0	22.0	24.0	23.5	18.5	14.0	7.5	3.0
Minimum	.0	1.0	2.5	3.0	10.0	16.5	20.0	19.0	16.5	6.5	1.0	2.0
25th percentile	1.0	2.0	3.5	6.0	13.0	19.5	23.0	22.0	17.5	10.0	2.5	2.5
75th percentile	2.5	4.0	6.0	11.0	17.5	23.0	25.0	26.0	21.0	15.5	10.5	4.5
No. of obs.	15	12	16	13	17	14	17	20	10	19	8	6

## DELAWARE RIVER BASIN

## 01455801 MUSCONETCONG RIVER AT LOCKWOOD, NJ

LOCATION.--Latitude 40°55'10", longitude 74°44'07", Sussex County, Hydrologic Unit 02040105, at bridge in Lockwood, at boundary between Sussex County and Morris County, 0.2 mi southeast of Cage Hill, 0.4 mi south of Jefferson Lake, and 0.9 mi downstream from Lubbers Run.

DRAINAGE AREA.--60.1 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	5.0	8.0	15.5	19.0	22.0	26.0	26.0	20.0	14.0	11.5	1.0
Median	1.5	2.0	6.0	11.0	16.0	20.5	22.0	21.0	17.0	9.0	7.5	1.0
Minimum	.0	.5	2.5	6.0	13.0	16.0	20.0	15.0	14.0	7.0	1.0	1.0
25th percentile	.0	1.0	4.5	7.5	13.5	18.0	21.0	20.0	14.5	8.5	2.0	1.0
75th percentile	2.5	4.0	7.0	13.0	17.0	22.0	23.0	24.0	18.5	11.0	11.5	1.0
No. of obs.	9	5	10	7	9	8	15	15	7	9	4	1

## DELAWARE RIVER BASIN

## 01456000 MUSCONETCONG RIVER NEAR HACKETTSTOWN, NJ

LOCATION.--Latitude 40°53'10", longitude 74°48'00", Warren County, Hydrologic Unit 02040105, on right bank 75 ft upstream from Saxton Falls Dam, 0.5 mi upstream from Erie-Lackawanna Railway Bridge, and 3.0 mi northeast of Hackettstown.

DRAINAGE AREA.--70.0 mi<sup>2</sup>

RECORD.--Periodic record, 1959-78, 1980-86, 1991

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	5.0	11.0	16.5	22.0	24.0	25.5	28.0	22.5	23.5	12.0	6.5
Median	2.0	1.5	4.0	10.0	19.5	21.0	24.5	23.0	18.0	14.5	7.0	2.0
Minimum	.0	.0	.0	7.5	11.0	20.0	21.0	19.5	15.0	12.0	2.5	.0
25th percentile	1.0	1.0	3.0	8.0	16.0	20.0	21.5	21.0	16.5	13.0	3.0	.5
75th percentile	3.5	3.0	7.5	12.5	21.5	23.0	25.0	24.0	20.0	16.0	11.5	4.0
No. of obs.	6	8	9	10	7	14	11	13	12	9	6	12



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01456200 MUSCONETCONG RIVER AT BEATTYSTOWN, NJ

LOCATION.--Latitude 40°48'48", longitude 74°50'32", Warren County, Hydrologic Unit 02040105, at bridge at Beattystown, 1.6 mi upstream of Hanes Brook, 2.1 mi northeast of Stephensburg, and 3.5 mi northeast of Scrappy Corner.

DRAINAGE AREA.--90.3 mi<sup>2</sup>

RECORD.--Periodic record, 1973, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	5.0	10.5	14.5	23.0	22.0	27.0	24.0	22.0	12.5	11.5	12.0
Median	1.0	2.0	7.0	10.0	16.0	17.5	21.5	21.0	17.5	10.0	5.5	6.5
Minimum	.0	1.5	3.0	6.5	12.0	15.0	19.5	15.0	13.5	6.0	2.0	1.0
25th percentile	.5	1.5	6.0	7.0	14.5	16.0	21.0	20.5	14.0	8.5	3.0	1.0
75th percentile	1.5	4.5	8.0	11.5	18.5	21.5	23.5	22.0	18.5	11.0	11.0	12.0
No. of obs.	11	5	12	8	12	9	16	15	9	9	5	2

## DELAWARE RIVER BASIN

## 01457000 MUSCONETCONG RIVER NEAR BLOOMSBURY, NJ

LOCATION.--Latitude 40°40'20", longitude 75°03'40", Warren County, Hydrologic Unit 02040105, on right bank just downstream from bridge on Limekiln Road (Person Road), 1.5 mi upstream from Bloomsbury, and 9.5 mi upstream from mouth.

DRAINAGE AREA.--141 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-93

REMARKS.--Flow regulated by Lake Hopatcong.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	7.0	12.0	15.5	20.5	25.5	24.0	25.0	23.0	18.0	11.0	7.5
Median	1.5	2.5	6.0	10.5	14.5	18.5	21.0	20.0	17.0	11.5	8.5	4.0
Minimum	.0	.0	2.0	3.0	11.0	15.5	17.5	16.5	14.0	7.5	4.0	1.5
25th percentile	1.0	2.0	4.0	8.0	12.0	16.5	19.0	19.0	15.0	9.0	5.5	2.0
75th percentile	3.0	4.0	9.0	12.0	18.0	20.5	21.5	22.0	19.0	14.5	9.0	5.0
No. of obs.	25	25	22	32	18	27	26	30	33	32	16	20

## DELAWARE RIVER BASIN

## 01457400 MUSCONETCONG RIVER AT RIEGELSVILLE, NJ

LOCATION.--Latitude 40°35'32", longitude 75°11'20", Warren County, Hydrologic Unit 02040105, at bridge on State Highway 13 in Riegelsville, 0.2 mi north of Mount Joy, and 0.2 mi upstream from mouth.

DRAINAGE AREA.--156 mi<sup>2</sup>

RECORD.--Periodic record, 1961, 1973, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.5	5.0	12.5	15.0	22.0	21.0	26.0	22.0	21.5	16.0	14.0	4.0
Median	.5	2.5	7.0	10.5	15.0	18.5	21.0	19.5	15.0	12.0	7.5	3.5
Minimum	.0	.0	4.5	7.0	12.5	13.5	19.0	13.0	14.0	7.0	4.5	3.0
25th percentile	.0	1.0	6.0	8.5	12.5	15.0	20.0	17.5	14.0	8.0	4.5	3.0
75th percentile	1.5	4.0	8.0	12.5	18.5	20.0	22.0	21.0	20.0	13.5	14.0	4.0
No. of obs.	3	14	11	10	5	15	19	17	7	13	3	2

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01457500 DELAWARE RIVER AT RIEGELSVILLE, NJ

LOCATION.--Latitude 40°35'36", longitude 75°11'17", Warren County, Hydrologic Unit 02040105, just upstream of suspension bridge at Riegelsville, 600 ft upstream from Musconetcong River.

DRAINAGE AREA.--6,328 mi<sup>2</sup>

RECORD.--Periodic record, 1943\*, 1950\*, 1960-80, 1988, 1991-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	11.0	9.5	7.0	15.0	24.0	27.5	28.0	27.0	26.0	17.0	11.0	14.0
Median	2.0	2.0	5.0	10.0	14.0	21.5	24.0	24.0	21.5	13.5	7.5	4.0
Minimum	.0	.0	2.0	4.0	10.0	11.5	20.0	19.5	15.5	9.0	4.0	.0
25th percentile	1.5	1.5	4.0	7.5	13.0	19.5	23.0	23.5	19.5	11.0	6.0	3.0
75th percentile	5.5	3.0	6.0	11.0	18.0	23.5	26.0	25.5	23.5	15.5	9.0	5.5
No. of obs.	15	21	13	18	21	14	23	17	16	21	14	17

## DELAWARE RIVER BASIN

01458100 HAKIHOKAKE CREEK AT MILFORD, NJ

LOCATION.--Latitude 40°34'06", longitude 75°05'44", Hunterdon County, Hydrologic Unit 02040105, at highway bridge in Milford, 4,000 ft upstream from mouth.

DRAINAGE AREA.--17.2 mi<sup>2</sup>

RECORD.--Periodic record, 1959-62, 1976-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	10.0	19.0	21.0	21.5	24.0	23.5	24.0	16.5	10.5	3.0	--
Median	3.0	9.0	9.5	15.0	17.5	21.0	20.5	20.5	15.5	10.5	3.0	--
Minimum	.0	5.0	8.5	11.0	14.5	19.0	18.5	14.0	6.5	10.0	3.0	--
25th percentile	.0	5.0	8.5	14.0	15.0	20.0	19.0	17.0	6.5	10.0	3.0	--
75th percentile	4.5	10.0	17.0	17.5	20.5	23.0	23.0	24.0	16.5	10.5	3.0	--
No. of obs.	6	3	7	7	4	7	5	6	3	2	1	0

## DELAWARE RIVER BASIN

01458400 HAKIHOKAKE CREEK NEAR FRENCHTOWN, NJ

LOCATION.--Latitude 40°32'53", longitude 75°04'09", Hunterdon County, Hydrologic Unit 02040105, at bridge on Frenchtown-Milford Road, 1,600 ft above mouth, and 1.5 mi north of Frenchtown.

DRAINAGE AREA.--9.75 mi<sup>2</sup>

RECORD.--Periodic record, 1959-62, 1976-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	11.0	20.0	21.5	21.0	25.0	23.5	24.5	15.0	10.0	0.0	--
Median	.0	5.5	11.0	16.0	18.5	22.0	21.0	17.5	9.5	10.0	.0	--
Minimum	.0	1.5	9.0	12.0	15.5	20.0	19.0	15.0	7.0	10.0	.0	--
25th percentile	.0	3.0	9.5	15.0	16.0	20.5	19.5	16.0	7.5	10.0	.0	--
75th percentile	2.5	9.5	18.5	20.0	20.5	24.5	23.0	24.0	14.0	10.0	.0	--
No. of obs.	5	5	7	8	4	8	5	6	4	1	1	0

\* Measured before the study period of this report.

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01460500 DELAWARE AND RARITAN CANAL AT KINGSTON, NJ

LOCATION.--Latitude 40°22'24", longitude 74°37'08", Middlesex County, Hydrologic Unit 02040105, on right bank at canal lock at Kingston, and 250 ft upstream from new bridge on State Highway 27.

RECORD.--Periodic record, 1961, 1963-65, 1972-83, 1986-92

REMARKS.--The canal diverts water from the Delaware River at Raven Rock and discharges into Raritan River at New Brunswick. Some water may be released to the Millstone River 500 ft and 2.3 mi above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	6.0	12.0	15.0	28.0	28.0	25.5	28.0	21.0	26.5	12.0	5.0
Median	1.5	3.0	6.0	14.0	18.0	24.5	25.5	18.5	12.5	8.0	2.5	2.5
Minimum	.5	1.0	2.0	8.0	12.0	20.0	23.0	18.5	16.0	9.0	.5	1.0
25th percentile	1.0	2.0	5.0	8.0	15.0	22.5	23.0	23.0	16.5	11.5	3.0	1.5
75th percentile	3.5	5.5	11.0	15.0	22.0	26.0	25.5	26.0	20.5	18.0	10.5	4.5
No. of obs.	6	9	13	3	6	8	3	10	4	9	7	7

## DELAWARE RIVER BASIN

## 01461000 DELAWARE RIVER AT LUMBERVILLE, PA

LOCATION.--Latitude 40°24'27", longitude 75°02'16", Bucks County, Hydrologic Unit 02040105, at pedestrian bridge at Lumberville, 1.4 mi upstream of Lockatong Creek.

DRAINAGE AREA.--6,598 mi<sup>2</sup>

RECORD.--Periodic record, 1976-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	5.0	8.0	14.0	20.5	22.0	28.0	28.0	20.5	18.5	6.0	0.0
Median	1.5	2.5	4.0	10.0	16.0	21.0	25.5	23.5	19.5	13.0	5.5	.0
Minimum	.5	.0	.0	6.0	13.5	16.5	20.0	19.0	18.0	9.5	2.0	.0
25th percentile	1.0	2.0	2.0	7.5	14.5	19.0	24.5	22.0	18.0	10.0	2.0	.0
75th percentile	2.5	3.5	5.0	12.5	19.5	21.0	26.5	26.0	20.5	16.0	6.0	.0
No. of obs.	4	9	7	12	8	11	14	17	2	15	3	1

## DELAWARE RIVER BASIN

## 01461300 WICKECHEOKE CREEK AT STOCKTON, NJ

LOCATION.--Latitude 40°24'41", longitude 74°59'13", Hunterdon County, Hydrologic Unit 02040105, at bridge on State Route 29 at Stockton, and 900 ft upstream from mouth.

DRAINAGE AREA.--26.6 mi<sup>2</sup>

RECORD.--Periodic record, 1959-63, 1975-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	5.0	12.0	18.0	19.5	23.0	26.0	26.0	23.5	18.5	13.5	0.0
Median	.5	.0	9.5	14.0	17.5	18.0	22.0	22.5	18.0	13.0	10.0	.0
Minimum	.0	.0	.5	7.5	10.0	15.5	18.0	15.0	10.5	10.5	6.5	.0
25th percentile	.0	.0	4.0	10.5	16.0	17.5	20.5	19.5	15.5	11.0	6.5	.0
75th percentile	2.0	1.5	11.0	16.0	18.0	21.0	24.0	24.5	21.5	15.0	13.5	.0
No. of obs.	4	10	8	13	11	9	16	17	11	11	4	1

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01461900 ALEXAUKEN CREEK NEAR LAMBERTVILLE, NJ

LOCATION.--Latitude 40°22'51", longitude 74°56'54", Hunterdon County, Hydrologic Unit 02040105, at bridge on State Route 29, 0.4 mi upstream from mouth, and 1.1 mi north of Lambertville.

DRAINAGE AREA.--14.9 mi<sup>2</sup>

RECORD.--Periodic record, 1959-63, 1975-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	7.0	16.0	21.5	24.5	25.0	23.0	23.0	17.0	7.0	--	--
Median	1.0	5.0	10.5	15.0	20.0	22.0	22.5	16.5	11.0	7.0	--	--
Minimum	.0	2.5	9.0	9.5	17.5	19.5	19.0	15.0	8.5	6.5	--	--
25th percentile	.0	3.0	9.5	11.5	18.0	20.0	20.0	15.0	8.5	6.5	--	--
75th percentile	3.0	6.5	14.5	16.5	23.5	25.0	23.0	20.0	17.0	7.0	--	--
No. of obs.	3	7	8	7	4	6	5	7	3	2	0	0

## DELAWARE RIVER BASIN

## 01462000 DELAWARE RIVER AT LAMBERTVILLE, NJ

LOCATION.--Latitude 40°21'50", longitude 74°56'55", Hunterdon County, Hydrologic Unit 02040105, on upstream side of bridge in fifth span of bridge from New Jersey end, at Lambertville, and 0.9 mi downstream from Alexauchen Creek.

DRAINAGE AREA.--6,680 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	5.0	12.0	22.0	21.0	26.0	27.0	16.0	19.5	7.0	--	--
Median	3.0	3.5	9.5	16.0	20.0	26.0	24.0	16.0	16.0	4.5	--	--
Minimum	.0	.0	7.0	14.0	19.0	20.0	24.0	16.0	9.5	2.0	--	--
25th percentile	.0	.0	7.5	14.5	19.5	22.5	24.0	16.0	10.5	2.0	--	--
75th percentile	5.0	5.0	11.5	20.5	20.5	26.0	26.0	16.0	18.5	7.0	--	--
No. of obs.	3	3	4	4	5	5	5	1	5	2	0	0

## DELAWARE RIVER BASIN

## 01462005 SWAN CREEK AT LAMBERTVILLE, NJ

LOCATION.--Latitude 40°21'51", longitude 74°56'41", Hunterdon County, Hydrologic Unit 02040105, at bridge 250 ft upstream from Delaware-Raritan Canal, 500 ft upstream from mouth, and 350 ft downstream from State Route 29.

DRAINAGE AREA.--3.28 mi<sup>2</sup>

RECORD.--Periodic record, 1975-81

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	7.0	17.0	17.0	24.0	25.0	24.0	18.0	18.5	9.0	--	--
Median	2.0	6.0	11.5	15.0	20.0	21.5	21.0	17.0	10.5	8.5	--	--
Minimum	.0	2.0	10.5	13.0	15.0	19.0	17.0	16.0	9.0	8.0	--	--
25th percentile	.0	2.0	10.5	13.5	17.0	20.0	18.5	16.0	9.0	8.0	--	--
75th percentile	2.0	7.0	15.0	16.5	23.5	23.5	22.5	18.0	18.5	9.0	--	--
No. of obs.	3	3	6	4	5	5	5	2	3	2	0	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01462500 DELAWARE RIVER AT WASHINGTON CROSSING, NJ

LOCATION.--Latitude 40°17'20", longitude 74°52'08", Mercer County, Hydrologic Unit 02040105, at bridge at Washington Crossing, 1.4 mi upstream of Jacobs Creek.

DRAINAGE AREA.--6,735 mi<sup>2</sup>

RECORD.--Periodic record, 1976-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.5	9.0	8.5	17.5	23.0	22.5	30.0	28.5	22.0	21.0	9.5	0.5
Median	1.5	3.0	4.0	10.5	17.0	20.5	26.0	24.0	20.0	15.5	6.5	.5
Minimum	1.5	1.0	.0	6.5	13.0	18.0	22.0	19.0	18.0	8.0	2.0	.5
25th percentile	1.5	2.0	1.0	9.0	15.0	20.0	25.0	24.0	18.0	13.0	3.0	.5
75th percentile	1.5	4.0	6.5	14.0	19.5	21.0	26.5	26.5	22.0	17.5	9.0	.5
No. of obs.	1	10	5	12	10	8	13	15	2	10	4	1

## DELAWARE RIVER BASIN

## 01463500 DELAWARE RIVER AT TRENTON, NJ

LOCATION.--Latitude 40°13'18", longitude 74°46'42", Mercer County, Hydrologic Unit 02040105, on left bank 450 ft upstream from Calhoun Street Bridge at Trenton, 0.5 mi upstream from Assunpink Creek, and at mile 134.5.

DRAINAGE AREA.--6,780 mi<sup>2</sup>

RECORD.--Periodic record, 1944-47\*, 1950-52\*, 1956-57, 1959-93; continuous record, 1953\*-93; daily record, 1944\*-79

REMARKS.--Diurnal fluctuations of flow at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lakes Wallenpaupack and Hopatcong, and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, Neversink, Wild Creek, and Merrill Creek Reservoirs and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs. Diversion to Bradshaw and Merrill Creek Reservoirs and to Delaware and Raritan Canal. Water diverted just above station by borough of Morrisville, Pa., and city of Trenton, N.J., for municipal supply.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.0	10.5	20.0	24.5	27.5	29.5	33.0	27.0	22.0	15.0	9.0
Median	3.0	3.0	5.5	10.0	16.0	23.0	25.5	25.0	21.0	14.5	8.5	4.0
Minimum	.0	.0	2.0	6.0	12.0	14.5	20.0	20.0	14.5	9.0	1.0	.5
25th percentile	1.0	2.0	4.5	8.0	14.0	20.5	24.0	23.5	18.5	12.0	6.0	3.0
75th percentile	4.0	4.0	6.5	12.0	18.5	24.0	26.0	26.0	23.0	16.0	10.0	5.0
No. of obs.	34	38	53	42	50	48	43	53	39	36	49	35

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	8.5	15.5	23.5	30.0	34.0	33.5	32.5	31.5	25.5	17.5	12.5
Median	1.5	2.5	5.5	10.5	16.5	23.0	26.0	25.5	21.5	14.5	8.5	4.0
Minimum	-.5	-.5	.0	2.0	10.0	13.0	18.5	18.0	14.0	7.0	2.0	-.5

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.5	8.5	15.0	19.5	25.0	27.5	31.0	30.0	27.5	21.0	19.0	10.5
Median	3.5	3.5	6.5	11.0	16.5	22.0	25.0	24.0	21.0	15.5	10.0	4.5
Minimum	-.5	-.5	.5	4.0	11.0	13.5	20.0	17.5	15.0	9.0	2.5	-.5
25th percentile	2.0	2.0	4.5	9.5	15.0	20.0	24.0	22.5	19.0	14.0	7.5	2.5
75th percentile	4.5	4.5	7.5	13.0	18.5	24.0	26.0	25.0	22.5	17.0	12.0	6.0
No. of obs.	395	365	359	362	388	346	380	388	338	375	359	394

\* Measured before the study period of this report.

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01463568 ASSUNPINK CREEK AT CARSONS MILLS, NJ

LOCATION.--Latitude 40°13'05", longitude 74°33'08", Mercer County, Hydrologic Unit 02040105, at bridge at Carsons Mills, 1.3 mi northeast of Pages Corner, and 0.1 mi upstream from New Sharon Branch.

DRAINAGE AREA.--12.5 mi<sup>2</sup>

RECORD.--Periodic record, 1976-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	2.0	11.0	12.0	20.0	20.0	27.0	25.0	21.0	16.0	6.0	--
Median	2.0	1.5	8.0	12.0	18.5	20.0	25.0	24.0	18.0	16.0	6.0	--
Minimum	2.0	.0	6.0	11.5	13.0	18.0	22.0	19.0	15.0	16.0	6.0	--
25th percentile	2.0	.5	6.5	11.5	14.5	18.5	23.0	21.0	15.0	16.0	6.0	--
75th percentile	2.0	2.0	10.5	12.0	19.5	20.0	26.5	25.0	21.0	16.0	6.0	--
No. of obs.	2	5	4	2	4	5	5	5	3	1	2	0

## DELAWARE RIVER BASIN

01463620 ASSUNPINK CREEK NEAR CLARKSVILLE, NJ

LOCATION.--Latitude 40°16'11", longitude 74°40'20", Mercer County, Hydrologic Unit 02040105, on left bank 250 ft upstream from bridge on Quaker Bridge Road, 1.9 south of Clarksville, 2.0 mi upstream from Shipetaukin Creek, and 7.6 mi upstream of mouth.

DRAINAGE AREA.--34.3 mi<sup>2</sup>

RECORD.--Periodic record, 1963-66, 1972-93

REMARKS.--Regulation of flow from flood-control dams and ponds upstream.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.0	6.0	10.0	21.5	23.0	27.0	30.0	29.5	24.5	21.0	14.5	8.0
Median	2.5	3.5	7.5	13.0	18.5	23.0	25.5	24.0	20.0	14.0	9.5	4.5
Minimum	.0	2.0	5.0	7.0	13.0	19.0	20.0	15.5	16.0	10.0	2.5	1.0
25th percentile	1.0	2.5	6.0	10.0	16.5	20.5	24.0	22.5	18.0	12.0	6.0	4.0
75th percentile	3.5	4.0	8.0	14.0	21.5	24.0	27.0	26.5	21.5	16.5	10.5	5.0
No. of obs.	17	11	16	14	16	21	23	21	15	20	11	7

## DELAWARE RIVER BASIN

01464000 ASSUNPINK CREEK AT TRENTON, NJ

LOCATION.--Latitude 40°13'27", longitude 74°44'58", Mercer County, Hydrologic Unit 02040105, on left bank 20 ft upstream from bridge on Chambers Street (Lincoln Avenue) in Trenton, and 1.5 mi upstream from mouth.

DRAINAGE AREA.--90.6 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-93

REMARKS.--There is an average inflow of about 2.0 ft<sup>3</sup>/s from industrial use of water that originates outside the basin. Some diversion of flow for irrigation in headwater area during summer months. Flow regulated by several flood-control reservoirs upstream of gage since mid-1970's.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.5	8.0	11.0	20.0	23.0	29.5	29.5	34.0	31.0	23.5	16.0	10.5
Median	4.5	4.5	6.0	13.0	18.0	23.0	24.0	24.5	21.5	15.5	12.0	6.5
Minimum	.0	.0	2.0	4.5	14.0	18.5	20.0	19.0	18.0	11.0	7.0	.0
25th percentile	2.5	2.0	5.0	11.5	15.5	20.5	23.0	22.5	20.0	14.0	10.0	5.0
75th percentile	5.5	5.5	8.5	15.0	21.5	25.0	26.0	25.0	24.5	17.0	13.5	8.0
No. of obs.	20	26	25	27	26	33	24	35	25	32	29	24

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01464040 DELAWARE RIVER AT MARINE TERMINAL, TRENTON, NJ

LOCATION.--Latitude 40°11'21", longitude 74°45'22", Mercer County, Hydrologic Unit 02040201, on left bank at downstream end of wharf at Marine Terminal, Trenton, 1.6 mi downstream from toll bridge on U.S. Highway 1, 2.0 mi downstream from Assunpink Creek, and at mile 131.80.

DRAINAGE AREA.--6,870 mi<sup>2</sup>

RECORD.--Continuous record, 1972-76

REMARKS.--Possible tidal influence on water temperature.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	7.5	12.5	22.0	24.5	32.5	32.0	31.5	32.5	22.0	16.0	9.5
Median	3.0	3.0	6.0	11.5	15.5	23.5	25.0	26.5	21.5	13.5	9.5	4.0
Minimum	.0	.0	2.5	4.0	10.5	17.0	21.5	21.5	15.5	8.0	2.5	.0

## DELAWARE RIVER BASIN

01464500 CROSSWICKS CREEK AT EXTONVILLE, NJ

LOCATION.--Latitude 40°08'15", longitude 74°36'02", Mercer County, Hydrologic Unit 02040201, on right bank upstream from highway bridge in Extonville, 0.5 mi upstream from Pleasant Run, and 0.7 mi downstream from Mercer-Monmouth County line.

DRAINAGE AREA.--81.5 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-93; daily record, 1966-70

REMARKS.--Flow regulated occasionally by lakes above station.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	9.0	12.5	17.0	24.0	24.0	25.5	25.0	24.5	20.0	15.0	10.0
Median	2.0	2.0	7.0	12.0	17.0	20.5	22.0	23.0	18.5	13.5	8.5	4.0
Minimum	.0	.0	.0	7.5	14.0	9.0	14.5	20.0	14.0	6.5	3.0	.0
25th percentile	1.0	.5	4.5	10.0	15.0	19.0	21.0	22.0	17.0	11.0	6.0	2.0
75th percentile	4.5	4.5	9.0	13.0	18.0	22.0	23.0	24.0	21.5	15.5	11.5	6.0
No. of obs.	17	24	35	29	28	41	41	37	25	36	20	25

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	6.0	14.0	19.0	23.0	25.0	26.0	26.0	23.0	19.0	17.0	11.5
Median	1.0	3.0	5.0	13.0	16.0	21.5	22.0	22.0	19.0	13.5	8.5	4.0
Minimum	.0	.0	1.0	8.0	10.0	16.0	19.5	19.5	13.5	8.0	4.0	1.0
25th percentile	1.0	1.0	4.0	10.5	15.0	20.0	21.0	21.0	17.0	11.0	6.0	1.0
75th percentile	4.0	4.0	8.0	14.0	18.0	23.0	23.5	23.0	21.0	16.0	10.5	5.5
No. of obs.	51	50	59	54	51	54	47	43	41	55	50	62

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01464505 CROSSWICKS CREEK AT GROVEVILLE, NJ

LOCATION.--Latitude 40°10'26", longitude 74°40'48", Mercer County, Hydrologic Unit 02040201, at bridge on U.S. Route 130, 0.3 mi upstream from Doctors Creek, 0.5 mi northwest of Groveville, and 0.6 mi southwest of Yardville.

DRAINAGE AREA.--94.5 mi<sup>2</sup>

RECORD.--Periodic record, 1975-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	3.0	12.5	12.5	20.5	22.0	26.0	25.0	20.0	15.5	13.0	--
Median	.0	1.0	9.0	12.0	16.5	21.5	23.0	23.0	17.0	14.5	4.5	--
Minimum	.0	.0	8.0	10.5	13.0	19.0	21.0	21.0	15.5	11.0	3.0	--
25th percentile	.0	.5	8.5	10.5	14.5	19.5	22.5	22.0	15.5	12.0	3.0	--
75th percentile	2.5	2.5	11.0	12.5	18.5	22.0	25.0	24.0	19.5	15.5	13.0	--
No. of obs.	3	4	5	4	6	5	7	7	4	4	3	0

## DELAWARE RIVER BASIN

## 01464515 DOCTORS CREEK AT ALLENTOWN, NJ

LOCATION.--Latitude 40°10'37", longitude 74°35'57", Monmouth County, Hydrologic Unit 02040201, at bridge on Breza Road in Allentown, and 0.8 mi downstream from Conines Millpond Dam.

DRAINAGE AREA.--17.4 mi<sup>2</sup>

RECORD.--Periodic record, 1966, 1968-70, 1972-73, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	8.0	15.0	18.0	26.0	25.0	26.0	25.5	25.5	19.0	16.5	--
Median	4.0	1.5	9.0	12.0	18.0	22.5	24.0	23.5	19.5	14.5	5.0	--
Minimum	.0	.0	6.0	8.0	11.0	19.0	19.0	19.0	16.5	9.5	3.5	--
25th percentile	2.5	1.0	7.0	9.5	14.0	20.5	22.5	23.0	17.5	11.5	4.0	--
75th percentile	4.5	2.0	11.5	13.5	20.0	24.0	25.0	24.0	21.0	15.5	13.5	--
No. of obs.	7	10	8	15	10	13	17	18	11	12	4	0

## DELAWARE RIVER BASIN

## 01464522 DOCTORS CREEK AT ROUTE 130 NEAR YARDVILLE, NJ

LOCATION.--Latitude 40°10'31", longitude 74°40'33", Mercer County, Hydrologic Unit 02040201, at bridge on U.S. Route 130, 0.4 mi northwest of Groveville, and 2.5 mi southwest of Haines Corner.

DRAINAGE AREA.--25.8 mi<sup>2</sup>

RECORD.--Periodic record, 1975-83

REMARKS.--Possible tidal influence on water temperature at high tides.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.5	3.0	15.5	14.5	20.0	22.0	24.0	24.5	18.5	16.0	17.0	--
Median	1.0	1.5	9.5	11.0	17.0	21.0	22.5	22.5	17.0	15.5	4.5	--
Minimum	.0	.5	9.5	11.0	12.5	20.0	20.5	18.0	17.0	15.0	3.0	--
25th percentile	.0	.5	9.5	11.0	13.5	20.5	21.0	21.5	17.0	15.0	3.0	--
75th percentile	2.5	3.0	13.5	13.5	19.0	22.0	24.0	24.5	18.0	16.0	17.0	--
No. of obs.	3	4	5	4	6	5	7	7	5	3	3	0



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01464531 BLACKS CREEK AT BORDENTOWN, NJ

LOCATION.--Latitude 40°08'14", longitude 74°42'42", Burlington County, Hydrologic Unit 02040201, at bridge on U.S. Route 130, 1.0 mi northeast of Fieldsboro, and 3.1 mi southwest of Groveville.

DRAINAGE AREA.--14.5 mi<sup>2</sup>

RECORD.--Periodic record, 1975-81

REMARKS.--Possible tidal influence on water temperature at high tides.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	1.0	17.5	12.5	20.0	21.5	27.0	28.5	18.5	17.5	17.0	--
Median	2.0	1.0	8.0	11.5	17.0	21.0	22.5	24.0	17.5	15.5	13.5	--
Minimum	1.5	.5	6.0	11.0	16.5	19.0	19.0	21.5	16.0	12.0	4.5	--
25th percentile	1.5	.5	6.5	11.0	16.5	19.5	21.5	22.0	16.0	13.0	4.5	--
75th percentile	2.0	1.0	15.5	12.5	19.5	21.5	25.0	27.0	18.5	17.0	17.0	--
No. of obs.	2	3	4	3	4	5	6	5	2	4	3	0

## DELAWARE RIVER BASIN

## 01464540 CRAFTS CREEK AT HEDDING, NJ

LOCATION.--Latitude 40°06'01", longitude 74°45'23", Burlington County, Hydrologic Unit 02040201, at highway bridge on Old York Road, 0.2 mi downstream from small tributary, 0.8 mi southwest of Hedding, and 1.6 mi southeast of Roebling.

DRAINAGE AREA.--10.6 mi<sup>2</sup>

RECORD.--Periodic record, 1959-63, 1975-80

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	0.0	16.0	18.5	20.5	22.0	25.5	26.0	24.0	18.0	13.5	--
Median	1.0	.0	9.5	12.0	17.0	21.0	24.5	22.0	21.5	12.0	12.5	--
Minimum	.0	.0	4.0	11.0	13.0	18.0	19.5	17.0	16.0	9.0	3.0	--
25th percentile	.0	.0	5.0	11.0	15.5	18.5	20.5	18.0	20.0	9.0	3.0	--
75th percentile	2.0	.0	15.0	17.0	19.5	22.0	25.5	25.0	23.5	18.0	13.5	--
No. of obs.	2	2	4	4	6	4	4	4	7	3	3	0

## DELAWARE RIVER BASIN

## 01464580 ASSISCUNK CREEK AT COLUMBUS, NJ

LOCATION.--Latitude 40°03'25", longitude 74°43'27", Burlington County, Hydrologic Unit 02040201, at bridge on U.S. Route 206, 100 ft downstream from small tributary, 1.1 mi south of Columbus, and 2.1 mi northwest of Jobstown.

DRAINAGE AREA.--8.28 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-63, 1975-80

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	1.5	13.5	14.5	16.0	18.5	22.0	21.5	20.5	17.5	15.0	--
Median	2.0	.0	10.5	10.5	12.5	17.0	20.5	18.5	19.0	11.0	11.0	--
Minimum	2.0	.0	6.5	9.0	11.0	15.0	16.5	14.0	13.5	9.0	3.0	--
25th percentile	2.0	.0	7.0	9.5	11.0	16.0	17.5	15.0	16.0	9.5	3.0	--
75th percentile	2.0	1.5	13.5	13.5	15.5	18.0	22.0	21.0	20.5	17.0	15.0	--
No. of obs.	1	3	4	5	4	5	4	4	5	6	3	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01464590 ASSISCUNK CREEK NEAR BURLINGTON, NJ

LOCATION.--Latitude 40°04'19", longitude 74°47'57", Burlington County, Hydrologic Unit 02040201, at bridge on Old York Road, 3.3 mi east of Burlington, 4.3 mi upstream from mouth.

DRAINAGE AREA.--37.2 mi<sup>2</sup>

RECORD.--Periodic record, 1966-67, 1969, 1972, 1975-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	0.0	14.5	12.0	21.0	21.0	25.5	24.0	21.5	15.0	14.0	--
Median	.5	.0	8.5	12.0	15.5	20.0	24.0	22.5	18.0	13.0	12.0	--
Minimum	.0	.0	6.5	9.5	12.5	19.0	20.0	17.0	14.0	11.0	3.0	--
25th percentile	.0	.0	6.5	9.5	13.0	19.5	23.0	21.5	14.5	11.5	3.0	--
75th percentile	2.5	.0	13.5	12.0	19.5	20.5	25.5	23.0	21.0	14.5	14.0	--
No. of obs.	4	3	4	6	5	6	7	8	7	4	3	0

## DELAWARE RIVER BASIN

01464600 DELAWARE RIVER AT BRISTOL, PA

LOCATION.--Latitude 40°04'55", longitude 74°51'58", Bucks County, Hydrologic Unit 02040201, at center of river 1,300 ft upstream from bridge on a line from Pennsylvania bank through channel station -79.2 to Lehigh range light on New Jersey bank.

DRAINAGE AREA.--7,163 mi<sup>2</sup>

RECORD.--Continuous record, 1955-75, 1978-80

REMARKS.--Possible tidal influence on water temperature. Further information on this station is given in U.S. Geological Survey Water-Supply Paper 1809-0.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	9.0	12.0	19.0	26.0	29.5	30.5	30.5	29.5	24.0	19.0	10.5
Median	3.0	3.0	6.0	10.5	17.0	23.5	27.0	26.5	23.5	17.0	10.5	5.0
Minimum	-.5	.0	.5	3.5	11.0	14.0	19.0	20.5	15.5	8.5	4.0	.0

## DELAWARE RIVER BASIN

01465835 SOUTH BRANCH RANCOCAS CREEK AT RETREAT, NJ

LOCATION.--Latitude 39°55'23", longitude 74°43'05", Burlington County, Hydrologic Unit 02040202, at bridge on light-duty road, 1.2 mi southwest of Buddtown, and 1.8 mi northeast of Beaverville.

DRAINAGE AREA.--44.1 mi<sup>2</sup>

RECORD.--Periodic record, 1975-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	2.0	1.5	11.0	13.0	19.0	25.0	28.0	25.0	19.5	18.5	14.5	--
Median	1.0	1.5	6.5	10.5	17.0	21.0	25.0	22.5	19.0	18.0	6.0	--
Minimum	.0	1.0	5.5	10.0	14.0	18.5	24.0	19.5	15.5	16.5	3.0	--
25th percentile	.0	1.0	6.0	10.0	14.5	19.0	25.0	20.5	16.5	16.5	3.0	--
75th percentile	2.0	1.5	10.5	13.0	18.5	24.0	27.0	24.5	19.5	18.5	14.5	--
No. of obs.	4	2	5	3	5	7	6	6	4	3	3	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01465850 SOUTH BRANCH RANCOCAS CREEK AT VINCENTOWN, NJ

LOCATION.--Latitude 39°56'22", longitude 74°45'50", Burlington County, Hydrologic Unit 02040202, at bridge on Lumberton-Vincetown Road at Vincentown, 2.9 mi southeast of Lumberton, and 3.1 mi upstream from Southwest Branch.

DRAINAGE AREA.--64.5 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	7.0	17.0	19.5	22.0	23.0	27.0	25.5	26.0	21.0	14.5	7.0
Median	.5	1.0	9.0	13.0	17.0	20.5	24.0	23.0	19.0	13.0	7.5	.5
Minimum	.0	.0	1.0	8.5	12.0	16.5	20.0	20.0	14.0	8.0	2.5	.0
25th percentile	.0	.5	4.5	10.0	14.0	18.5	22.0	22.0	17.0	10.5	5.5	.5
75th percentile	2.0	5.0	9.5	15.5	19.5	22.5	25.5	24.0	21.5	15.5	10.5	6.5
No. of obs.	11	15	18	13	20	17	29	27	17	19	12	7

## DELAWARE RIVER BASIN

## 01465970 NORTH BRANCH RANCOCAS CREEK AT BROWNS MILLS, NJ

LOCATION.--Latitude 39°58'04", longitude 74°34'48", Burlington County, Hydrologic Unit 02040202, at bridge on Lakehurst Road at outflow of Mirror Lake in Browns Mills, 1.5 mi north of Browns Mills Junction, and 2.0 mi northwest of outflow of Country Lake.

DRAINAGE AREA.--27.4 mi<sup>2</sup>

RECORD.--Periodic record, 1975-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.5	6.0	13.0	15.5	21.0	23.0	29.5	27.0	22.5	19.5	15.0	--
Median	3.0	4.0	9.0	13.5	18.0	21.5	25.0	24.0	20.5	16.0	14.5	--
Minimum	1.0	.0	4.0	9.5	14.0	19.5	23.0	22.0	17.5	11.5	4.5	--
25th percentile	2.0	2.0	6.0	10.0	16.5	21.0	24.0	23.5	18.0	13.0	4.5	--
75th percentile	3.5	4.5	10.0	15.0	19.5	22.5	26.5	26.0	22.0	19.0	15.0	--
No. of obs.	6	8	12	5	12	8	15	17	7	10	3	0

## DELAWARE RIVER BASIN

## 01466500 MCDONALDS BRANCH IN LEBANON STATE FOREST, NJ

LOCATION.--Latitude 39°53'05", longitude 74°30'20", Burlington County, Hydrologic Unit 02040202, on right bank in Lebanon State Forest, 25 ft upstream from Butterworth Road Bridge, 3.4 mi upstream from confluence with Cooper Branch, and 7.0 mi southeast of Browns Mills.

DRAINAGE AREA.--2.35 mi<sup>2</sup>

RECORD.--Periodic record, 1958-93; continuous record, 1960-92

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.5	9.0	10.0	14.5	17.0	19.0	20.0	23.5	19.5	16.0	12.0	10.5
Median	4.0	3.0	6.5	10.0	13.0	15.0	16.0	16.0	14.5	11.5	8.5	5.5
Minimum	1.0	.5	2.5	5.0	9.5	11.0	13.5	11.5	10.0	7.0	5.5	1.5
25th percentile	2.0	2.0	5.0	8.0	12.0	14.0	15.0	15.0	13.0	10.5	7.0	4.5
75th percentile	6.0	5.0	7.5	11.5	14.0	16.0	17.0	17.5	15.5	13.0	10.0	8.0
No. of obs.	33	38	47	49	41	40	44	38	45	45	37	37

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	10.0	8.0	11.5	14.5	19.0	19.5	21.5	22.0	21.5	16.5	16.5	11.5
Median	3.5	3.5	5.0	9.0	13.0	15.5	16.5	16.5	14.5	11.5	9.0	6.0
Minimum	.0	.0	.0	1.5	8.5	11.0	12.0	11.5	10.0	5.5	1.5	.5

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01467000 NORTH BRANCH RANCOCAS CREEK AT PEMBERTON, NJ

LOCATION.--Latitude 39°58'10", longitude 74°41'05", Burlington County, Hydrologic Unit 02040202, on right bank at downstream side of bridge on Hanover Street in Pemberton, 12 mi upstream from confluence with South Branch Rancocas Creek.

DRAINAGE AREA.--118 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-93

REMARKS.--Flow regulated occasionally by cranberry bogs and ponds above station. Water diverted for water supply at Fort Dix army base upstream of gage.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	6.0	11.0	18.5	22.0	25.0	27.5	27.0	22.0	20.5	17.0	6.5
Median	1.5	3.0	7.0	11.0	16.5	21.0	24.0	23.0	18.0	14.0	8.5	4.0
Minimum	-.5	.0	2.0	7.0	11.0	17.5	20.0	20.0	14.0	1.5	4.0	1.0
25th percentile	1.0	1.0	5.5	9.5	15.0	20.0	22.0	21.0	17.0	11.5	8.0	2.0
75th percentile	2.5	4.5	8.0	13.0	18.0	22.0	25.0	24.0	20.0	17.0	12.5	5.0
No. of obs.	21	17	28	28	28	26	36	36	23	34	18	14

## DELAWARE RIVER BASIN

## 01467016 RANCOCAS CREEK AT WILLINGBORO, NJ

LOCATION.--Latitude 40°00'36", longitude 74°53'16", Burlington County, Hydrologic Unit 02040202, water-quality recorder at foot of J.F. Kennedy Way, 1.3 mi downstream from Certerton bridge in Willingboro.

DRAINAGE AREA.--327 mi<sup>2</sup>

RECORD.--Periodic record, 1969-75; continuous record, 1969-74

REMARKS.--Possible tidal influence on water temperature at high tides.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	5.0	9.0	16.0	21.0	26.0	28.5	25.0	22.0	22.0	11.0	7.5
Median	.5	3.5	7.0	14.5	18.5	22.5	25.5	24.0	21.5	13.5	7.5	2.0
Minimum	.5	1.0	4.0	7.0	15.5	21.0	22.0	23.0	19.0	11.5	5.0	.0
25th percentile	.5	1.5	4.0	9.5	16.5	21.5	23.0	23.5	20.0	11.5	5.0	.0
75th percentile	3.5	5.0	9.0	16.0	20.5	25.5	27.0	24.5	22.0	20.0	11.0	7.5
No. of obs.	3	4	3	5	5	6	6	6	6	4	3	3

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	12.0	6.5	12.0	21.0	20.5	27.5	28.5	29.0	26.5	23.0	19.0	15.5
Median	4.5	3.0	7.0	12.5	17.0	23.0	25.5	25.0	21.5	17.0	11.0	6.5
Minimum	.0	.0	1.0	4.5	12.5	17.0	23.5	21.0	16.0	7.5	2.5	1.0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01467019 MILL CREEK NEAR WILLINGBORO, NJ

LOCATION.--Latitude 40°01'53", longitude 74°51'14", Burlington County, Hydrologic Unit 02040202, on left upstream wingwall of bridge on Springside Avenue, 2.2 mi upstream from South Branch Mill Creek, 0.2 mi east of Willingboro, and 4.6 mi upstream from mouth.

DRAINAGE AREA.--4.12 mi<sup>2</sup>

RECORD.--Periodic record, 1975-78

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.5	1.5	9.5	15.0	13.0	19.5	20.0	22.0	19.5	12.0	15.0	9.5
Median	5.0	1.5	7.5	9.5	13.0	19.5	20.0	21.5	18.5	12.0	14.0	7.5
Minimum	4.5	1.5	.5	8.5	12.0	19.0	20.0	20.5	17.5	11.0	9.0	5.0
25th percentile	4.5	1.5	4.5	8.5	12.0	19.0	20.0	20.5	17.5	11.0	9.0	5.0
75th percentile	5.5	1.5	9.0	14.0	13.0	19.5	20.0	22.0	19.5	12.0	15.0	9.5
No. of obs.	2	1	6	5	3	2	1	3	2	3	3	2

## DELAWARE RIVER BASIN

## 01467069 NORTH BRANCH PENNSAUKEN CREEK NEAR MOORESTOWN, NJ

LOCATION.--Latitude 39°57'07", longitude 74°58'10", Burlington County, Hydrologic Unit 02040202, at bridge on Kings Highway, 200 ft downstream from outlet of Strawbridge Lake, 0.6 mi northwest of Moorestown Mall, 0.8 mi southeast of Lenola, and 1.8 mi southwest of Moorestown.

DRAINAGE AREA.--12.8 mi<sup>2</sup>

RECORD.--Periodic record, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	5.5	16.0	22.5	26.5	25.0	29.0	28.0	22.0	22.0	12.5	--
Median	4.0	2.0	9.0	12.0	19.0	23.0	25.5	23.0	18.5	14.0	5.0	--
Minimum	.5	1.0	5.0	7.5	13.0	20.0	20.5	21.5	17.0	10.5	5.0	--
25th percentile	2.5	1.0	7.0	9.5	16.0	21.5	23.5	22.5	17.5	11.0	5.0	--
75th percentile	4.5	3.5	12.0	13.0	20.0	24.0	27.0	25.5	20.0	16.5	12.5	--
No. of obs.	10	8	11	8	12	10	18	17	6	13	3	0

## DELAWARE RIVER BASIN

## 01467081 SOUTH BRANCH PENNSAUKEN CREEK AT CHERRY HILL, NJ

LOCATION.--Latitude 39°56'30", longitude 75°00'05", Camden County, Hydrologic Unit 02040202, on left bank on downstream wingwall of bridge on Mill Road in Cherry Hill, 1.1 mi south of Maple Shade and 3.8 mi upstream from confluence with the North Branch Pennsauken Creek.

DRAINAGE AREA.--8.98 mi<sup>2</sup>

RECORD.--Discontinuous record, 1967-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	8.0	15.5	20.0	22.5	24.0	29.0	25.0	23.5	21.0	16.0	12.0
Median	4.5	3.5	7.5	12.5	16.0	21.0	23.0	22.5	18.0	15.0	9.0	6.0
Minimum	.0	.0	3.5	8.0	12.0	16.5	17.5	18.5	15.0	9.0	6.5	2.5
25th percentile	2.0	1.0	5.5	11.0	14.0	19.0	22.0	21.0	17.5	13.0	7.0	4.0
75th percentile	6.5	5.0	9.0	15.0	20.0	22.0	24.0	23.0	22.0	17.0	14.0	8.0
No. of obs.	26	21	28	24	19	23	33	26	20	26	14	19

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01467120 COOPER RIVER AT NORCROSS ROAD AT LINDENWOLD, NJ

LOCATION.--Latitude 39°49'43", longitude 74°58'55", Camden County, Hydrologic Unit 02040202, at bridge on Norcross Road, 50 ft downstream from outflow of Linden Lake, 1.1 mi southwest of Gibbsboro, and 1.7 mi south of Glendale.

DRAINAGE AREA.--1.13 mi<sup>2</sup>

RECORD.--Periodic record, 1975-91

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	8.0	12.0	15.5	23.0	24.0	28.0	26.5	24.5	23.0	15.0	--
Median	2.0	3.5	9.0	12.0	20.0	23.0	25.0	25.0	20.0	15.0	7.0	--
Minimum	.5	.5	3.5	8.0	13.0	18.0	22.0	20.0	18.0	11.0	5.0	--
25th percentile	1.0	1.0	6.0	10.5	15.5	18.0	24.0	22.0	19.0	12.5	5.0	--
75th percentile	4.0	4.5	10.5	14.0	21.0	24.0	26.5	26.0	22.5	18.5	15.0	--
No. of obs.	7	7	10	8	12	8	15	14	5	9	3	0

## DELAWARE RIVER BASIN

## 01467130 COOPER RIVER AT KIRKWOOD, NJ

LOCATION.--Latitude 39°50'11", longitude 75°00'06", Camden County, Hydrologic Unit 02040202, at outlet of Kirkwood Lake in Kirkwood, 100 ft east of tracks of Pennsylvania-Reading Seashore Lines, and 1.0 mi north of Laurel Springs.

DRAINAGE AREA.--5.13 mi<sup>2</sup>

RECORD.--Periodic record, 1963-67, 1971-72, 1975-82, 1988-89, 1991-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	3.0	12.0	18.0	23.5	27.0	28.0	28.5	24.0	17.5	15.5	--
Median	3.5	3.0	11.0	12.0	19.0	24.0	26.5	25.5	19.5	16.0	9.0	--
Minimum	2.5	2.0	4.5	9.5	10.5	18.0	24.5	20.0	17.0	14.0	6.0	--
25th percentile	2.5	2.0	6.0	10.5	13.0	20.5	24.5	22.5	18.0	14.0	7.0	--
75th percentile	5.0	3.0	12.0	15.5	22.0	25.0	28.0	27.0	21.5	17.5	14.5	--
No. of obs.	3	3	4	5	5	12	7	8	7	4	5	0

## DELAWARE RIVER BASIN

## 01467140 COOPER RIVER AT LAWNESIDE, NJ

LOCATION.--Latitude 39°52'14", longitude 75°00'59", Camden County, Hydrologic Unit 02040202, at right bank at Lawnside, 300 ft downstream of Lawnside Sewage Treatment, and 0.2 mi upstream of New Jersey Turnpike.

DRAINAGE AREA.--12.7 mi<sup>2</sup>

RECORD.--Periodic record, 1964-66, 1969, 1971, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	10.5	14.5	17.0	21.0	26.0	27.0	25.5	24.0	22.0	15.0	--
Median	5.5	4.5	9.5	13.5	17.5	20.5	24.0	22.0	20.5	16.5	9.5	--
Minimum	.5	.5	7.5	9.0	10.5	17.0	21.5	18.0	17.0	10.5	9.0	--
25th percentile	2.5	2.5	8.0	11.0	13.5	18.5	23.0	21.0	18.0	12.5	9.0	--
75th percentile	6.0	8.5	12.5	16.5	19.5	22.5	25.0	23.5	22.0	19.0	15.0	--
No. of obs.	6	9	10	10	10	14	17	18	6	12	3	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01467150 COOPER RIVER AT HADDONFIELD, NJ

LOCATION.--Latitude 39°54'11", longitude 75°01'19", Camden County, Hydrologic Unit 02040202, on right bank of Wallworth Lake in Pennypacker Park, 200 ft upstream from bridge on State Highway 41 (Kings Highway) in Haddonfield, 0.6 mi upstream from North Branch Cooper River, and 7.7 mi upstream from mouth.

DRAINAGE AREA.--17.0 mi<sup>2</sup>

RECORD.--Periodic record, 1959-93; daily record, 1968-69

REMARKS.--Occasional regulation of flow at low flows from Kirkwood Lake, other small lakes, and wastewater treatment plants (prior to summer 1987).

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.5	9.5	13.5	21.0	24.0	27.0	29.0	27.0	26.0	23.0	16.0	12.0
Median	3.0	4.0	7.0	14.0	17.5	22.0	24.5	24.5	21.0	15.5	9.5	6.0
Minimum	.0	1.0	2.0	8.5	13.0	17.0	20.0	22.0	15.5	9.0	5.0	1.0
25th percentile	1.5	1.5	5.0	12.0	14.0	21.0	24.0	22.5	19.0	14.0	7.0	4.0
75th percentile	5.5	5.0	10.5	15.5	20.0	24.0	26.5	25.5	23.0	17.5	13.5	8.0
No. of obs.	24	22	25	26	18	25	25	17	27	27	26	19

## DAILY RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	7.0	12.0	17.0	18.0	31.0	30.0	29.0	25.0	21.0	11.0	10.0
Median	5.0	6.0	9.0	14.0	16.0	20.0	26.0	25.0	18.0	19.0	10.0	8.0
Minimum	2.0	4.0	5.0	12.0	13.0	20.0	20.0	21.0	15.0	15.0	9.0	5.0
25th percentile	4.5	4.0	8.0	13.0	15.0	20.0	24.5	24.0	15.5	17.5	9.5	7.0
75th percentile	6.0	6.0	10.0	15.0	18.0	22.0	28.5	25.5	21.0	20.0	10.5	9.0
No. of obs.	12	13	20	15	13	12	18	18	17	16	5	11

## DELAWARE RIVER BASIN

## 01467190 COOPER RIVER AT CAMDEN, NJ

LOCATION.--Latitude 39°55'35", longitude 75°05'03", Camden County, Hydrologic Unit 02040202, at bridge on U.S. Routes 130 and 30, 3.4 mi upstream from mouth, 3.5 mi northwest of Haddonfield, 3.7 mi downstream from mouth of North Branch Cooper River, and 0.6 mi upstream from tidal-barrier dam.

DRAINAGE AREA.--35.2 mi<sup>2</sup>

RECORD.--Periodic record, 1969-70, 1975-83

REMARKS.--Possible tidal influence on water temperature.

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.0	2.0	11.5	15.0	22.0	25.0	29.0	26.5	19.0	20.0	12.5	--
Median	.0	2.0	11.0	12.5	19.5	23.5	25.5	24.5	17.5	16.0	5.5	--
Minimum	.0	.0	8.5	11.5	17.0	19.0	22.0	22.0	16.0	12.0	5.0	--
25th percentile	.0	1.0	8.5	11.5	17.0	22.5	23.5	23.0	16.0	13.0	5.0	--
75th percentile	.0	2.0	11.5	14.5	22.0	25.0	28.0	25.5	19.0	17.0	12.5	--
No. of obs.	1	6	3	6	3	8	7	7	2	7	3	0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

## 01467200 DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA

LOCATION.--Latitude 39°57'11", longitude 75°08'05", Philadelphia County, Hydrologic Unit 02040202, at center of river on a line 200 ft upstream of bridge from the north side of pier 12 north through channel station +14.3 to pierhead line on New Jersey side of river. Water-quality monitor (39°57'10", 75°08'18") located at river end of pier 11 north about 100 ft downstream from bridge since November 1960.

DRAINAGE AREA.--7,993 mi<sup>2</sup>

RECORD.--Continuous record, 1960-87

REMARKS.--Possible tidal influence on water temperature. Further information on this station and other nearby Delaware River stations is given in Keighton (1965).

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.5	7.5	15.0	22.0	24.5	30.0	30.5	31.0	29.5	24.5	20.0	11.5
Median	3.0	3.0	6.5	11.5	17.5	23.5	26.5	27.0	24.0	18.0	12.0	6.0
Minimum	.0	.0	.0	4.5	11.0	15.0	19.0	20.5	17.0	8.5	5.0	.0

## DELAWARE RIVER BASIN

## 01467329 SOUTH BRANCH BIG TIMBER CREEK AT BLACKWOOD TERRACE, NJ

LOCATION.--Latitude 39°48'05", longitude 75°04'27", Gloucester County, Hydrologic Unit 02040202, at bridge on Blackwood-Clementon Road at Blackwood Terrace, 1,000 ft upstream from Bull Run, and 2.0 mi northeast of Fairview.

DRAINAGE AREA.--19.1 mi<sup>2</sup>

RECORD.--Periodic record, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	6.0	4.5	13.0	23.5	20.5	23.0	27.5	25.5	21.0	21.0	15.0	--
Median	1.0	1.5	8.5	13.5	17.0	22.5	24.0	23.0	20.0	14.5	7.5	--
Minimum	.0	.0	2.5	9.5	8.5	17.5	21.0	19.5	20.0	9.0	5.0	--
25th percentile	.5	1.0	5.0	10.5	14.5	19.0	23.0	20.5	20.0	11.5	5.0	--
75th percentile	3.5	3.0	11.0	17.0	19.5	23.0	26.0	24.0	21.0	16.5	13.5	--
No. of obs.	10	7	10	9	13	9	16	17	3	14	4	0

## DELAWARE RIVER BASIN

## 01467359 NORTH BRANCH BIG TIMBER CREEK AT GLENDORA, NJ

LOCATION.--Latitude 39°50'04", longitude 75°04'02", Camden County, Hydrologic Unit 02040202, at bridge on State Route 168 in Glendora, 1.6 mi north of Mechanicsville, and 1.0 mi southeast of Clements Bridge.

DRAINAGE AREA.--18.8 mi<sup>2</sup>

RECORD.--Periodic record, 1975-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	1.0	8.0	13.0	21.5	21.0	23.5	27.0	24.0	18.0	16.0	15.0	--
Median	.0	1.0	9.0	14.0	16.5	19.5	25.0	21.0	18.0	12.0	7.0	--
Minimum	.0	.0	7.0	8.5	14.0	13.5	20.0	18.0	18.0	9.5	5.0	--
25th percentile	.0	.0	7.0	9.5	14.5	18.5	24.0	20.0	18.0	10.0	5.0	--
75th percentile	1.0	6.5	11.0	20.0	20.0	23.5	26.0	24.0	18.0	15.0	15.0	--
No. of obs.	3	4	5	4	4	7	7	7	1	5	3	0



Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01474703 DELAWARE RIVER AT FORT MIFFLIN AT PHILADELPHIA, PA

LOCATION.--Latitude 39°52'45", longitude 75°12'11", Philadelphia County, Hydrologic Unit 02040202, water-quality recorder on right bank at outer end of L-shaped pier at Fort Mifflin, 0.4 mi downstream from mouth of Schuylkill River, in Philadelphia.

DRAINAGE AREA.--10,000 mi<sup>2</sup>, approximately

RECORD.--Continuous record, 1972-76, 1981-87

REMARKS.--Possible tidal influence on water temperature. Station not operated Nov. 29 to Mar. 8.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	10.5	14.0	19.0	24.5	28.0	30.0	31.0	30.0	23.5	20.0	12.0
Median	4.5	4.0	7.0	12.0	18.5	23.5	26.0	26.5	23.0	17.5	11.5	5.0
Minimum	1.5	.5	3.0	5.5	12.5	14.5	15.5	20.5	17.0	12.0	1.5	.5

## DELAWARE RIVER BASIN

01475000 MANTUA CREEK AT PITMAN, NJ

LOCATION.--Latitude 39°44'14", longitude 75°06'53", Gloucester County, Hydrologic Unit 02040202, on left abutment of Wadsworth Dam, 0.9 mi east of Pitman, and 2.0 mi upstream from Porch Branch.

DRAINAGE AREA.--6.05 mi<sup>2</sup>

RECORD.--Periodic record, 1960-82, 1991

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	5.0	7.0	12.0	23.0	23.0	27.0	28.5	29.0	23.0	18.5	16.5	9.0
Median	3.5	3.0	8.5	13.5	17.5	22.5	25.5	24.0	19.0	15.0	8.5	5.0
Minimum	.0	.0	4.0	10.0	14.0	18.0	21.0	20.0	17.0	11.5	5.0	3.0
25th percentile	1.0	1.5	5.0	10.5	15.5	19.0	23.0	23.0	17.5	12.0	5.5	4.0
75th percentile	4.5	5.5	11.0	16.0	20.0	24.0	27.5	25.5	19.5	16.5	16.0	7.0
No. of obs.	6	8	13	7	10	12	13	13	8	12	6	8

## DELAWARE RIVER BASIN

01475045 MANTUA CREEK AT MANTUA, NJ

LOCATION.--Latitude 39°47'42", longitude 75°10'21", Gloucester County, Hydrologic Unit 02040202, at bridge on State Route 45, 2.4 mi northwest of Barnsboro, and 1.3 mi east of Gates of Heaven Memorial Park.

DRAINAGE AREA.--41.5 mi<sup>2</sup>

RECORD.--Periodic record, 1975-83

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.0	2.5	13.5	26.0	21.5	24.5	25.0	25.0	22.5	16.0	11.0	7.5
Median	2.0	.5	12.0	12.0	18.0	21.5	24.0	23.5	18.5	12.5	9.5	7.5
Minimum	1.0	.0	9.5	11.0	15.0	17.0	20.5	20.5	14.5	9.0	8.0	7.5
25th percentile	1.0	.0	10.0	11.5	15.5	17.5	22.0	22.0	15.5	10.5	8.0	7.5
75th percentile	3.0	2.0	13.5	21.5	21.0	23.0	24.5	25.0	21.0	15.5	11.0	7.5
No. of obs.	2	5	4	5	4	8	7	7	5	5	2	1

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01476600 STILL RUN NEAR MICKLETON, NJ

LOCATION.--Latitude 39°47'19", longitude 75°15'27", Gloucester County, Hydrologic Unit 02040202, on left bank at downstream side of county highway bridge, 1.0 mi west of Mickleton, and 3.4 mi upstream from confluence with Pargey Creek.

DRAINAGE AREA.--3.95 mi<sup>2</sup>

RECORD.--Periodic record, 1959-66

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	0.5	6.0	10.5	16.0	19.0	24.5	24.5	21.5	17.0	20.5	18.0	6.0
Median	.5	1.0	5.0	13.5	15.5	23.5	22.0	21.0	17.0	17.5	12.0	6.0
Minimum	.0	.5	2.0	5.5	12.0	21.5	19.0	17.0	15.5	12.0	5.5	1.0
25th percentile	.0	.5	4.5	7.0	13.0	21.5	20.5	18.0	15.5	13.0	5.5	1.0
75th percentile	.5	5.5	10.0	16.0	18.0	24.5	24.5	21.5	17.0	20.0	18.0	6.0
No. of obs.	2	5	7	4	5	4	7	5	3	4	3	3

## DELAWARE RIVER BASIN

01477050 DELAWARE RIVER AT CHESTER, PA

LOCATION.--Latitude 39°50'33", longitude 75°21'28", Delaware County, Hydrologic Unit 02040202, in the pumping house of Scott Paper Company.

DRAINAGE AREA.--10,300 mi<sup>2</sup>

RECORD.--Continuous record, 1961-87

REMARKS.--Prior to April 1981, sampling site was located at the auxiliary tidal-gaging station at the end of Reynolds Aluminum Company pier, 0.5 mi downstream from Chester Creek in Chester (latitude 39°50'12", longitude 75°22'00"). Station not operated Nov. 14 to Feb. 28. Possible tidal influence on water temperature.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.0	10.0	14.5	19.5	27.5	28.0	33.0	32.0	30.0	24.0	20.5	13.5
Median	3.5	4.0	7.5	12.0	18.0	24.0	26.5	27.0	24.0	18.5	12.5	7.0
Minimum	-.5	.0	1.5	5.5	13.0	15.0	18.5	23.0	18.5	10.0	4.5	.5

## DELAWARE RIVER BASIN

01477100 RACCOON CREEK NEAR MULLICA HILL, NJ

LOCATION.--Latitude 39°42'31", longitude 75°12'05", Gloucester County, Hydrologic Unit 02040202, at highway bridge on Cedar Grove-Richwood Road, 0.6 mi upstream from Miery Run, 1.0 mi downstream from outlet of Ewan Lake, 2.5 mi southeast of Mullica Hill, and 4.0 mi southwest of Pitman.

DRAINAGE AREA.--10.1 mi<sup>2</sup>

RECORD.--Periodic record, 1952\*, 1959-63, 1975-82

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	3.5	4.5	14.5	16.0	19.5	24.0	26.0	27.0	25.0	16.0	15.0	3.5
Median	2.5	2.5	9.5	13.5	16.5	21.0	25.0	24.0	19.5	14.0	9.5	3.5
Minimum	1.5	.0	6.5	11.0	9.0	17.0	22.0	21.0	17.0	11.5	6.0	3.5
25th percentile	1.5	.5	7.5	12.0	10.5	19.5	24.0	22.5	19.0	11.5	6.5	3.5
75th percentile	3.5	4.0	12.0	14.0	19.0	23.0	26.0	24.0	24.5	15.5	14.0	3.5
No. of obs.	2	4	5	6	4	7	6	8	8	6	4	1

\* Measured before the study period of this report.

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01477120 RACCOON CREEK NEAR SWEDESBORO, NJ

LOCATION.--Latitude 39°44'28", longitude 75°15'33", Gloucester County, Hydrologic Unit 02040202, on right bank 25 ft downstream from County Bridge No. 5-F-3 on Harrisonville-Gibbstown Road, 1.8 mi west of Mullica Hill, and 2.8 mi east of Swedesboro.

DRAINAGE AREA.--26.9 mi<sup>2</sup>

RECORD.--Periodic record, 1965-93; continuous record, 1966-73

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	7.0	11.0	12.0	17.0	23.5	25.5	27.0	26.0	22.0	19.0	16.0	10.0
Median	2.0	3.0	6.5	12.5	16.0	20.0	22.5	22.0	19.0	13.5	8.5	5.5
Minimum	.0	.0	2.5	8.0	11.0	16.0	19.5	18.5	13.5	6.5	4.0	2.0
25th percentile	.5	1.5	5.0	11.0	14.5	19.5	22.0	21.0	17.0	11.5	6.0	3.5
75th percentile	3.5	5.0	8.0	14.0	18.0	21.5	23.0	23.5	20.5	15.5	11.5	7.5
No. of obs.	24	30	31	27	29	36	37	47	26	36	20	26

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	9.0	7.0	13.5	18.5	21.5	25.0	26.5	26.0	25.5	19.5	17.0	11.0
Median	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	--
Minimum	.0	.0	.0	4.5	10.0	14.0	15.5	16.5	13.5	7.0	3.5	.0

## DELAWARE RIVER BASIN

01477510 OLDMANS CREEK AT PORCHES MILL, NJ

LOCATION.--Latitude 39°41'57", longitude 75°20'01", Salem County, Hydrologic Unit 02040206, at bridge on Kings Highway in Porches Mill, 150 ft downstream of tributary from outflow of lake at Porches Mill, 1.0 mi north of Seven Stars, and 2.1 mi southeast of Auburn.

DRAINAGE AREA.--21.0 mi<sup>2</sup>

RECORD.--Periodic record, 1975-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	5.0	12.5	16.5	24.0	24.0	25.5	27.0	21.5	17.0	15.0	6.5
Median	1.0	2.0	7.0	12.0	15.0	20.5	24.0	22.5	17.0	14.0	9.0	6.5
Minimum	.0	.0	3.5	10.0	13.0	16.5	20.0	18.0	14.0	7.5	5.0	6.5
25th percentile	.5	1.0	6.5	10.5	14.0	18.5	22.5	21.5	15.0	13.5	6.0	6.5
75th percentile	3.5	4.5	10.0	16.5	19.0	23.0	25.0	24.0	18.5	15.5	14.0	6.5
No. of obs.	6	11	12	8	9	13	15	20	8	13	4	1

## DELAWARE RIVER BASIN

01482100 DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE AT WILMINGTON, DE

LOCATION.--Latitude 39°41'21", longitude 75°31'19", New Castle County, Hydrologic Unit 02040205, on pier of right tower of downstream bridge of dual bridges at Wilmington, 2.0 mi downstream from Christina River and at channel mile 67.70.

DRAINAGE AREA.--11,030 mi<sup>2</sup>

RECORD.--Continuous record, 1956-81

REMARKS.--Possible tidal influence on water temperature.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	11.0	11.5	18.0	24.5	28.5	30.5	31.0	29.0	24.5	19.5	10.5
Median	3.0	3.0	6.0	11.5	18.0	23.0	26.0	26.5	24.0	18.0	12.0	6.0
Minimum	.0	-.5	.5	5.5	11.0	16.0	18.0	21.0	18.5	10.0	5.0	.0

Table 2.--Statistical summary of temperature data for streams in New Jersey and vicinity--Continued

## DELAWARE RIVER BASIN

01482500 SALEM RIVER AT WOODSTOWN, NJ

LOCATION.--Latitude 39°38'36", longitude 75°19'52", Salem County, Hydrologic Unit 02040206, on right end of Memorial Lake Dam at Woodstown, 0.2 mi upstream from small brook, and 0.3 mi downstream from Pennsylvania-Reading Seashore Lines bridge.

DRAINAGE AREA.--14.6 mi<sup>2</sup>

RECORD.--Periodic record, 1957, 1959-93

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.0	10.5	13.5	17.0	25.5	29.0	31.0	31.5	26.0	21.0	16.0	7.0
Median	2.0	4.0	7.0	13.0	18.5	24.0	26.0	26.5	22.0	16.0	9.5	5.0
Minimum	.0	.0	.5	5.5	8.5	18.5	23.0	20.5	18.0	12.0	3.0	1.0
25th percentile	1.0	2.0	5.5	10.0	16.0	22.0	25.0	24.5	19.5	14.0	6.0	2.5
75th percentile	4.0	5.0	11.0	15.5	22.0	25.5	28.0	28.0	23.5	18.0	13.5	6.0
No. of obs.	22	20	23	25	23	29	33	36	15	24	20	13

## DELAWARE RIVER BASIN

01482800 DELAWARE RIVER AT REEDY ISLAND JETTY, DE

LOCATION.--Latitude 39°30'03", longitude 75°34'07", New Castle County, Hydrologic Unit 02040205, on platform about 0.4 mi downstream from Reedy Island near Port Penn.

DRAINAGE AREA.--11,200 mi<sup>2</sup>, approximately

RECORD.--Continuous record, 1970-88, 1990-92

REMARKS.--Possible tidal influence on water temperature.

## CONTINUOUS RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	8.5	8.5	12.5	19.5	26.5	29.5	32.5	31.5	32.5	25.5	19.0	19.0
Median	3.0	2.5	6.5	11.5	17.5	23.0	26.0	26.5	23.5	17.0	11.5	6.0
Minimum	.0	.0	.0	4.5	8.5	17.5	19.0	21.5	18.5	10.0	4.5	.0

## DELAWARE RIVER BASIN

01483000 ALLOWAY CREEK AT ALLOWAY, NJ

LOCATION.--Latitude 39°33'55", longitude 75°21'35", Salem County, Hydrologic Unit 02040206, on right bank at Alloway Lake Dam at Alloway, 0.8 mi upstream from Deep Run.

DRAINAGE AREA.--21.9 mi<sup>2</sup>

RECORD.--Periodic record, 1960-72

## PERIODIC RECORD:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Maximum	4.0	5.0	9.0	16.5	22.0	28.0	31.0	28.5	23.0	21.0	16.5	11.5
Median	3.0	3.0	6.5	15.5	20.0	24.0	28.0	26.0	21.0	16.5	9.0	5.5
Minimum	.0	3.0	3.0	12.5	15.0	21.5	24.0	23.0	16.5	10.0	5.0	1.5
25th percentile	.5	3.0	4.5	13.0	15.0	22.0	25.0	23.0	19.0	11.5	6.5	3.0
75th percentile	4.0	4.5	8.0	16.5	21.0	26.5	29.5	28.0	23.0	19.0	13.0	10.5
No. of obs.	5	5	10	4	5	5	10	7	7	6	7	6

<b>HUDSON RIVER BASIN</b>	
01367620	WALLKILL RIVER AT OUTFLOW OF LAKE MOHAWK AT SPARTA, N.J. ....
01367700	WALLKILL RIVER AT FRANKLIN, N.J. ....
01367770	WALLKILL RIVER NEAR SUSSEX, N.J. ....
01367910	PAPAKATING CREEK AT SUSSEX, N.J. ....
01368000	WALLKILL RIVER NEAR UNIONVILLE, N.Y. ....
01368720	AUXILIARY OUT OF UPPER GREENWOOD LAKE AT MOE, N.J. ....
01368950	BLACK CREEK NEAR VERNON, N.J. ....
01369000	POCHUCK CREEK NEAR PINE ISLAND, N.Y. ....
01376270	SPARKILL CREEK AT TAPPAN, N.Y. ....
01376280	SPARKILL CREEK AT SPARKILL, N.Y. ....
<b>HACKENSACK RIVER BASIN</b>	
01377000	HACKENSACK RIVER AT RIVERVALE, N.J. ....
01377300	PASCACK BROOK AT PEARL RIVER, N.Y. ....
01377500	PASCACK BROOK AT WESTWOOD, N.J. ....
01378500	HACKENSACK RIVER AT NEW MILFORD, N.J. ....
01378570	HACKENSACK RIVER AT HACKENSACK, N.J. ....
01378640	HACKENSACK RIVER AT JERSEY CITY, N.J. ....
<b>PASSAIC RIVER BASIN</b>	
01378690	PASSAIC RIVER NEAR BERNARDSVILLE, N.J. ....
01379000	PASSAIC RIVER NEAR MILLINGTON, N.J. ....
01379500	PASSAIC RIVER NEAR CHATHAM, N.J. ....
01379530	CANOE BROOK NEAR SUMMIT, N.J. ....
01379700	ROCKAWAY RIVER AT BERKSHIRE VALLEY, N.J. ....
01379773	GREEN POND BROOK AT PICATINNY ARSENAL, N.J. ....
01379780	GREEN POND BROOK BELOW PICATINNY LAKE AT PICATINNY ARSENAL, N.J. ....
01379790	GREEN POND BROOK AT WHARTON, N.J. ....
01380000	BEAVER BROOK AT OUTLET OF SPLITROCK RESERVOIR, N.J. ....
01380500	ROCKAWAY RIVER ABOVE RESERVOIR AT BOONTON, N.J. ....
01381000	ROCKAWAY RIVER BELOW RESERVOIR AT BOONTON, N.J. ....
01381200	ROCKAWAY RIVER AT PINE BROOK, N.J. ....
01381500	WHIPPANY RIVER AT MORRISTOWN, N.J. ....
01381800	WHIPPANY RIVER NEAR PINE BROOK, N.J. ....
01381900	PASSAIC RIVER AT PINE BROOK, N.J. ....
01382000	PASSAIC RIVER AT TWO BRIDGES, N.J. ....
01382500	PEQUANNOCK RIVER AT MACOPIN INTAKE DAM, N.J. ....
01383500	WANAQUE RIVER AT AWOSTING, N.J. ....
01384000	WANAQUE RIVER AT MONKS, N.J. ....
01384500	RINGWOOD CREEK NEAR WANAQUE, N.J. ....
01386000	WEST BROOK NEAR WANAQUE, N.J. ....
01387000	WANAQUE RIVER AT WANAQUE, N.J. ....
01387500	RAMAPO RIVER NEAR MAHWAH, N.J. ....
01388000	RAMAPO RIVER AT POMPTON LAKES, N.J. ....
01388500	POMPTON RIVER AT POMPTON PLAINS, N.J. ....
01388600	POMPTON RIVER AT PACKANACK LAKE, N.J. ....
01389000	POMPTON RIVER AT TWO BRIDGES, N.J. ....
01389005	PASSAIC RIVER BELOW POMPTON RIVER AT TWO BRIDGES, N.J. ....
01389110	PASSAIC RIVER AT ROUTE 46 AT SINGAC, N.J. ....
01389500	PASSAIC RIVER AT LITTLE FALLS, N.J. ....
01389880	PASSAIC RIVER AT ROUTE 46 AT ELMWOOD PARK, N.J. ....
01390500	SADDLE RIVER AT RIDGEWOOD, N.J. ....
01391000	HOHOKUS BROOK AT HO-HO-KUS, N.J. ....
01391200	SADDLE RIVER AT FAIR LAWN, N.J. ....
01391500	SADDLE RIVER AT LODI, N.J. ....
01392210	THIRD RIVER AT PASSAIC, N.J. ....
01392500	SECOND RIVER AT BELLEVILLE, N.J. ....
01392600	PASSAIC RIVER AT HARRISON, N.J. ....
<b>ELIZABETH RIVER BASIN</b>	
01393450	ELIZABETH RIVER AT URSINO LAKE AT ELIZABETH, N.J. ....
01393500	ELIZABETH RIVER AT ELIZABETH, N.J. ....
<b>RAHWAY RIVER BASIN</b>	
01393950	WEST BRANCH RAHWAY RIVER AT WEST ORANGE, N.J. ....
01394500	RAHWAY RIVER NEAR SPRINGFIELD, N.J. ....
01395000	RAHWAY RIVER AT RAHWAY, N.J. ....
01396000	ROBINSONS BRANCH AT RAHWAY, N.J. ....
01396001	ROBINSONS BRANCH AT MAPLE AVENUE AT RAHWAY, N.J. ....
<b>RARITAN RIVER BASIN</b>	
01396090	SOUTH BRANCH RARITAN RIVER AT OUTLET OF BUDD LAKE, N.J. ....
01396180	DRAKES BROOK AT BARTLEY, N.J. ....
01396280	SOUTH BRANCH RARITAN RIVER AT MIDDLE VALLEY, N.J. ....
01396500	SOUTH BRANCH RARITAN RIVER NEAR HIGH BRIDGE, N.J. ....
01396535	SOUTH BRANCH RARITAN RIVER AT ARCH STREET AT HIGH BRIDGE, N.J. ....
01396580	SPRUCE RUN AT GLEN GARDNER, N.J. ....
01396588	SPRUCE RUN NEAR GLEN GARDNER, N.J. ....
01396660	MULHOCKAWAY CREEK AT VAN SYCKEL, N.J. ....
01396800	SPRUCE RUN AT CLINTON, N.J. ....
01397000	SOUTH BRANCH RARITAN RIVER AT STANTON, N.J. ....
01397100	PRESCOTT BROOK AT ROUND VALLEY, N.J. ....
01397380	BUSHKILL BROOK AT ROCKEFELLOWS MILLS, N.J. ....
01397400	SOUTH BRANCH RARITAN RIVER AT THREE BRIDGES, N.J. ....
01397500	WALNUT BROOK NEAR FLEMINGTON, N.J. ....

## Appendix 1. Numerical index of station numbers--Continued

	Page
<b>RARITAN RIVER BASIN--Continued</b>	
01398000 NESHANIC RIVER AT REAVILLE, N.J. ....	62
01398045 BACK BROOK TRIBUTARY NEAR RINGOES, N.J. ....	62
01398102 SOUTH BRANCH RARITAN RIVER AT SOUTH BRANCH, N.J. ....	62
01398107 HOLLAND BROOK AT READINGTON, N.J. ....	63
01398260 NORTH BRANCH RARITAN RIVER NEAR CHESTER, N.J. ....	63
01398500 NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, N.J. ....	63
01399120 NORTH BRANCH RARITAN RIVER AT BURNT MILLS, N.J. ....	64
01399190 LAMINGTON (BLACK) RIVER AT SUCCASUNNA, N.J. ....	64
01399200 LAMINGTON (BLACK) RIVER NEAR IRONIA, N.J. ....	64
01399500 LAMINGTON (BLACK) RIVER NEAR POTTERSVILLE, N.J. ....	65
01399510 UPPER COLD BROOK NEAR POTTERSVILLE, N.J. ....	65
01399525 AXLE BROOK NEAR POTTERSVILLE, N.J. ....	65
01399545 LAMINGTON RIVER AT LAMINGTON, N.J. ....	66
01399550 LAMINGTON RIVER NEAR WHITEHOUSE, N.J. ....	66
01399575 ROCKAWAY CREEK NEAR POTTERSTOWN, N.J. ....	66
01399600 SOUTH BRANCH ROCKAWAY CREEK TRIBUTARY AT LEBANON, N.J. ....	67
01399670 SOUTH BRANCH ROCKAWAY CREEK AT WHITEHOUSE STATION, N.J. ....	67
01399690 SOUTH BRANCH ROCKAWAY CREEK AT WHITEHOUSE, N.J. ....	67
01399700 ROCKAWAY CREEK AT WHITEHOUSE, N.J. ....	68
01399760 LAMINGTON RIVER AT LAMINGTON ROAD NEAR NORTH BRANCH, N.J. ....	68
01399780 LAMINGTON RIVER AT BURNT MILLS, N.J. ....	68
01399830 NORTH BRANCH RARITAN RIVER AT NORTH BRANCH, N.J. ....	69
01400000 NORTH BRANCH RARITAN RIVER NEAR RARITAN, N.J. ....	69
01400120 RARITAN RIVER AT RARITAN, N.J. ....	69
01400300 PETERS BROOK NEAR RARITAN, N.J. ....	70
01400350 MACS BROOK AT SOMERVILLE, N.J. ....	70
01400500 RARITAN RIVER AT MANVILLE, N.J. ....	70
01400510 RARITAN RIVER NEAR MANVILLE, N.J. ....	71
01400540 MILLSTONE RIVER NEAR MANALAPAN, N.J. ....	71
01400560 MILLSTONE RIVER AT APPLGARTH, N.J. ....	71
01400650 MILLSTONE RIVER AT GROVERS MILL, N.J. ....	72
01400730 MILLSTONE RIVER AT PLAINSBORO, N.J. ....	72
01400932 BALDWIN CREEK AT BALDWIN LAKE NEAR PENNINGTON, N.J. ....	73
01400953 HONEY BROOK NEAR PENNINGTON, N.J. ....	73
01401000 STONY BROOK AT PRINCETON, N.J. ....	74
01401301 MILLSTONE RIVER AT CARNEGIE LAKE AT PRINCETON, N.J. ....	74
01401400 HEATHCOTE BROOK AT KINGSTON, N.J. ....	75
01401440 MILLSTONE RIVER AT KINGSTON, N.J. ....	75
01401600 BEDEN BROOK NEAR ROCKY HILL, N.J. ....	75
01401650 PIKE RUN AT BELLE MEAD, N.J. ....	76
01401700 PIKE RUN NEAR ROCKY HILL, N.J. ....	76
01402000 MILLSTONE RIVER AT BLACKWELLS MILLS, N.J. ....	76
01402540 MILLSTONE RIVER AT WESTON, N.J. ....	77
01402590 ROYCE BROOK TRIBUTARY AT FRANKFORT, N.J. ....	77
01402600 ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J. ....	77
01402900 MILLSTONE RIVER NEAR MANVILLE, N.J. ....	78
01403060 RARITAN RIVER BELOW CALCO DAM AT BOUND BROOK, N.J. ....	78
01403150 WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, N.J. ....	78
01403300 RARITAN RIVER AT QUEENS BRIDGE AT BOUND BROOK, N.J. ....	78
01403400 GREEN BROOK AT SEELEY MILLS, N.J. ....	79
01403500 GREEN BROOK AT PLAINFIELD, N.J. ....	80
01403535 EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, N.J. ....	80
01403540 STONY BROOK AT WATCHUNG, N.J. ....	80
01403900 BOUND BROOK AT MIDDLESEX, N.J. ....	81
01404100 RARITAN RIVER NEAR SOUTH BOUND BROOK, N.J. ....	81
01404302 LAWRENCE BROOK AT DAVIDSONS MILL ROAD NEAR PATRICKS CORNER, N.J. ....	81
01405000 LAWRENCE BROOK AT FARRINGTON DAM, N.J. ....	82
01405030 LAWRENCE BROOK AT WESTONS MILLS, N.J. ....	82
01405240 MATCHAPONIX BROOK NEAR ENGLISHTOWN, N.J. ....	82
01405285 BARCLAY BROOK NEAR ENGLISHTOWN, N.J. ....	83
01405302 MATCHAPONIX BROOK AT MUNDY AVENUE AT SPOTSWOOD, N.J. ....	83
01405340 MANALAPAN BROOK AT FEDERAL ROAD NEAR MANALAPAN, N.J. ....	83
01405400 MANALAPAN BROOK AT SPOTSWOOD, N.J. ....	84
01405440 MANALAPAN BROOK AT BRIDGE STREET AT SPOTSWOOD, N.J. ....	84
01405500 SOUTH RIVER AT OLD BRIDGE, N.J. ....	84
01407253 WILLOW BROOK NEAR HOLMDEL, N.J. ....	85
01407400 YELLOW BROOK AT COLTS NECK, N.J. ....	85
<b>SHREWSBURY RIVER BASIN</b>	
01407500 SWIMMING RIVER NEAR RED BANK, N.J. ....	85
<b>SHARK RIVER BASIN</b>	
01407705 SHARK RIVER NEAR NEPTUNE CITY, N.J. ....	86
01407760 JUMPING BROOK NEAR NEPTUNE CITY, N.J. ....	86
<b>MANASQUAN RIVER BASIN</b>	
01407810 MANASQUAN RIVER AT ELTON, N.J. ....	86
01407830 MANASQUAN RIVER NEAR GEORGIA, N.J. ....	87
01407862 DEBOIS CREEK AT WYCKOFF MILLS, N.J. ....	87
01407880 MANASQUAN RIVER AT FAIRFIELD, N.J. ....	87
01407900 MANASQUAN RIVER AT WEST FARMS, N.J. ....	88
01407910 MANASQUAN RIVER AT FARMINGDALE, N.J. ....	88
01407997 MARSH BOG BROOK AT SQUANKUM, N.J. ....	88
01408000 MANASQUAN RIVER AT SQUANKUM, N.J. ....	89
01408020 MINGAMAHONE BROOK AT SQUANKUM, N.J. ....	89
01408030 MANASQUAN RIVER AT ALLENWOOD, N.J. ....	89

## Appendix 1. Numerical index of station numbers--Continued

	Page
METEDECONK RIVER BASIN	
01408070 NORTH BRANCH METEDECONK RIVER NEAR WYCKOFF MILLS, N.J. ....	90
01408120 NORTH BRANCH METEDECONK RIVER NEAR LAKEWOOD, N.J. ....	90
01408155 METEDECONK RIVER AT LAURELTON, N.J. ....	90
TOMS RIVER BASIN	
01408500 TOMS RIVER NEAR TOMS RIVER, N.J. ....	91
01408700 TOMS RIVER AT TOMS RIVER, N.J. ....	91
OYSTER CREEK BASIN	
01409095 OYSTER CREEK NEAR BROOKVILLE, N.J. ....	92
CEDAR RUN BASIN	
01409280 WESTECUNK CREEK AT STAFFORD FORGE, N.J. ....	92
MULLICA RIVER BASIN	
01409375 MULLICA RIVER NEAR ATCO, N.J. ....	92
01409387 MULLICA RIVER AT OUTLET OF ATSION LAKE AT ATSION, N.J. ....	93
01409400 MULLICA RIVER NEAR BATSTO, N.J. ....	93
01409416 HAMMONTON CREEK AT WESCOATVILLE, N.J. ....	93
01409500 BATSTO RIVER AT BATSTO, N.J. ....	94
01409810 WEST BRANCH WADING RIVER NEAR JENKINS, N.J. ....	94
01409815 WEST BRANCH WADING RIVER AT MAXWELL, N.J. ....	95
01410000 OSWEGO RIVER AT HARRISVILLE, N.J. ....	95
01410150 EAST BRANCH BASS RIVER NEAR NEW GRETN, N.J. ....	95
ABSECON CREEK BASIN	
01410500 ABSECON CREEK AT ABSECON, N.J. ....	96
GREAT EGG HARBOR RIVER BASIN	
01410775 GREAT EGG HARBOR RIVER AT BERLIN, N.J. ....	96
01410784 GREAT EGG HARBOR RIVER NEAR SICKLERVILLE, N.J. ....	96
01410787 GREAT EGG HARBOR RIVER TRIBUTARY AT SICKLERVILLE, N.J. ....	97
01410789 GREAT EGG HARBOR RIVER TRIBUTARY 2 AT WINSLOW CROSSING, N.J. ....	97
01410803 FOURMILE BRANCH AT WINSLOW CROSSING, N.J. ....	97
01410810 FOURMILE BRANCH AT NEW BROOKLYN, N.J. ....	98
01410820 GREAT EGG HARBOR RIVER NEAR BLUE ANCHOR, N.J. ....	98
01410865 SQUANKUM BROOK AT MALAGA ROAD NEAR WILLIAMSTOWN, N.J. ....	98
01411000 GREAT EGG HARBOR RIVER AT FOLSOM, N.J. ....	99
01411053 HOSPITALITY BRANCH AT BERRYLAND, N.J. ....	99
01411110 GREAT EGG HARBOR RIVER AT WEYMOUTH, N.J. ....	99
01411140 DEEP RUN AT WEYMOUTH, N.J. ....	100
01411170 GREAT EGG HARBOR RIVER AT MAYS LANDING, N.J. ....	100
TUCKAHOE RIVER BASIN	
01411300 TUCKAHOE RIVER AT HEAD OF RIVER, N.J. ....	100
MAURICE RIVER BASIN	
01411456 LITTLE EASE RUN NEAR CLAYTON, N.J. ....	101
01411500 MAURICE RIVER AT NORMA, N.J. ....	101
01411800 MAURICE RIVER NEAR MILLVILLE, N.J. ....	102
01411880 MAURICE RIVER AT SHARP STREET AT MILLVILLE, N.J. ....	102
01412000 MENANTICO CREEK NEAR MILLVILLE, N.J. ....	102
DELAWARE BAY	
01412350 DELAWARE BAY AT SHIP JOHN SHOAL LIGHTHOUSE, N.J. ....	103
COHANSEY RIVER BASIN	
01412500 WEST BRANCH COHANSEY RIVER AT SEELEY, N.J. ....	103
01412800 COHANSEY RIVER AT SEELEY, N.J. ....	103
01413015 COHANSEY RIVER AT BRIDGETON, N.J. ....	104
DELAWARE RIVER BASIN	
01434000 DELAWARE RIVER AT PORT JERVIS, N.Y. ....	104
01438500 DELAWARE RIVER AT MONTAGUE, N.J. ....	105
01439830 BIG FLAT BROOK AT TUTTLES CORNER, N.J. ....	105
01440000 FLAT BROOK NEAR FLATBROOKVILLE, N.J. ....	105
01440090 DELAWARE RIVER NEAR EAST STROUDSBURG, PA. ....	106
01440200 DELAWARE RIVER BELOW TOCKS ISLAND DAMSITE NEAR DELAWARE WATER GAP, PA. ....	106
01442750 DELAWARE RIVER AT DUNNFIELD, N.J. ....	107
01443000 DELAWARE RIVER AT PORTLAND, PA. ....	107
01443440 PAULINS KILL AT BALESVILLE, N.J. ....	108
01443500 PAULINS KILL AT BLAIRSTOWN, N.J. ....	108
01443900 YARDS CREEK NEAR BLAIRSTOWN, N.J. ....	108
01444100 PAULINS KILL AT MOUTH AT COLUMBIA, N.J. ....	109
01444800 DELAWARE RIVER NEAR RICHMOND, PA. ....	109
01445500 PEQUEST RIVER AT PEQUEST, N.J. ....	110
01446000 BEAVER BROOK NEAR BELVIDERE, N.J. ....	110
01446400 PEQUEST RIVER AT BELVIDERE, N.J. ....	110
01446500 DELAWARE RIVER AT BELVIDERE, N.J. ....	111
01446700 DELAWARE RIVER AT EASTON, PA. ....	111
01447000 DELAWARE RIVER AT NORTHAMPTON STREET AT EASTON, PA. ....	112
01455100 LOPATCONG CREEK AT PHILLIPSBURG, N.J. ....	112
01455160 BRASS CASTLE CREEK NEAR WASHINGTON, N.J. ....	113
01455200 POHATCONG CREEK AT NEW VILLAGE, N.J. ....	113
01455300 POHATCONG CREEK AT CARPENTERSVILLE, N.J. ....	113

## DELAWARE RIVER BASIN--Continued

01455500	MUSCONETCONG RIVER AT OUTLET OF LAKE HOPATCONG, N.J. ....	114
01455801	MUSCONETCONG RIVER AT LOCKWOOD, N.J. ....	114
01456000	MUSCONETCONG RIVER NEAR HACKETTSTOWN, N.J. ....	114
01456200	MUSCONETCONG RIVER AT BEATTYSTOWN, N.J. ....	115
01457000	MUSCONETCONG RIVER NEAR BLOOMSBURY, N.J. ....	115
01457400	MUSCONETCONG RIVER AT RIEGELSVILLE, N.J. ....	115
01457500	DELAWARE RIVER AT RIEGELSVILLE, N.J. ....	116
01458100	HAKIHOKAKE CREEK AT MILFORD, N.J. ....	116
01458400	HAKIHOKAKE CREEK NEAR FRENCHTOWN, N.J. ....	116
01460500	DELAWARE AND RARITAN CANAL AT KINGSTON, N.J. ....	117
01461000	DELAWARE RIVER AT LUMBERVILLE, PA. ....	117
01461300	WICKECHEOKE CREEK AT STOCKTON, N.J. ....	117
01461900	ALEXAUKEN CREEK NEAR LAMBERTVILLE, N.J. ....	118
01462000	DELAWARE RIVER AT LAMBERTVILLE, N.J. ....	118
01462005	SWAN CREEK AT LAMBERTVILLE, N.J. ....	118
01462500	DELAWARE RIVER AT WASHINGTON CROSSING, N.J. ....	119
01463500	DELAWARE RIVER AT TRENTON, N.J. ....	119
01463568	ASSUNPINK CREEK AT CARSONS MILLS, N.J. ....	120
01463620	ASSUNPINK CREEK NEAR CLARKSVILLE, N.J. ....	120
01464000	ASSUNPINK CREEK AT TRENTON, N.J. ....	120
01464040	DELAWARE RIVER AT MARINE TERMINAL AT TRENTON, N.J. ....	121
01464500	CROSSWICKS CREEK AT EXTONVILLE, N.J. ....	121
01464505	CROSSWICKS CREEK AT GROVEVILLE, N.J. ....	122
01464515	DOCTORS CREEK AT ALLENTOWN, N.J. ....	122
01464522	DOCTORS CREEK AT ROUTE 130 NEAR YARDVILLE, N.J. ....	122
01464531	BLACKS CREEK AT BORDENTOWN, N.J. ....	123
01464540	CRAFTS CREEK AT HEDDING, N.J. ....	123
01464580	ASSISCUNK CREEK AT COLUMBUS, N.J. ....	123
01464590	ASSISCUNK CREEK NEAR BURLINGTON, N.J. ....	124
01464600	DELAWARE RIVER AT BRISTOL, PA. ....	124
01465835	SOUTH BRANCH RANCOCAS CREEK AT RETREAT, N.J. ....	124
01465850	SOUTH BRANCH RANCOCAS CREEK AT VINCENTOWN, N.J. ....	125
01465970	NORTH BRANCH RANCOCAS CREEK AT BROWNS MILLS, N.J. ....	125
01466500	MCDONALDS BRANCH IN LEBANON STATE FOREST, N.J. ....	125
01467000	NORTH BRANCH RANCOCAS CREEK AT PEMBERTON, N.J. ....	126
01467016	RANCOCAS CREEK AT WILLINGBORO, N.J. ....	126
01467019	MILL CREEK NEAR WILLINGBORO, N.J. ....	127
01467069	NORTH BRANCH PENNSAUKEN CREEK NEAR MOORESTOWN, N.J. ....	127
01467081	SOUTH BRANCH PENNSAUKEN CREEK AT CHERRY HILL, N.J. ....	127
01467120	COOPER RIVER AT NORCROSS ROAD AT LINDENWOLD, N.J. ....	128
01467130	COOPER RIVER AT KIRKWOOD, N.J. ....	128
01467140	COOPER RIVER AT LAWNESIDE, N.J. ....	128
01467150	COOPER RIVER AT HADDONFIELD, N.J. ....	129
01467190	COOPER RIVER AT CAMDEN, N.J. ....	129
01467200	DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA. ....	130
01467329	SOUTH BRANCH BIG TIMBER CREEK AT BLACKWOOD TERRACE, N.J. ....	130
01467359	NORTH BRANCH BIG TIMBER CREEK AT GLENDORA, N.J. ....	130
01474703	DELAWARE RIVER AT FORT MIFFLIN AT PHILADELPHIA, PA. ....	131
01475000	MANTUA CREEK AT PITMAN, N.J. ....	131
01475045	MANTUA CREEK AT MANTUA, N.J. ....	131
01476600	STILL RUN NEAR MICKLETON, N.J. ....	132
01477050	DELAWARE RIVER AT CHESTER, PA. ....	132
01477100	RACCOON CREEK NEAR MULICA HILL, N.J. ....	132
01477120	RACCOON CREEK NEAR SWEDSBORO, N.J. ....	133
01477510	OLDMANS CREEK AT PORCHES MILL, N.J. ....	133
01482100	DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE AT WILMINGTON, DEL. ....	133
01482500	SALEM RIVER AT WOODSTOWN, N.J. ....	134
01482800	DELAWARE RIVER AT REEDY ISLAND JETTY, DEL. ....	134
01483000	ALLOWAY CREEK AT ALLOWAY, N.J. ....	134



# Appendix 2. Alphabetical index of station names

Station name	Station number	Page
ABSECON CREEK AT ABSECON, N.J. ....	01410500	96
ALEXAUKEN CREEK NEAR LAMBERTVILLE, N.J. ....	01461900	118
ALLOWAY CREEK AT ALLOWAY, N.J. ....	01483000	134
ASSISCUNK CREEK AT COLUMBUS, N.J. ....	01464580	123
ASSISCUNK CREEK NEAR BURLINGTON, N.J. ....	01464590	124
ASSUNPINK CREEK AT CARSONS MILLS, N.J. ....	01463568	120
ASSUNPINK CREEK AT TRENTON, N.J. ....	01464000	120
ASSUNPINK CREEK NEAR CLARKSVILLE, N.J. ....	01463620	120
AUXILARY OUT OF UPPER GREENWOOD LAKE AT MOE, N.J. ....	01368720	34
AXLE BROOK NEAR POTTERSVILLE, N.J. ....	01399525	65
BACK BROOK TRIBUTARY NEAR RINGOES, N.J. ....	01398045	62
BALDWIN CREEK AT BALDWIN LAKE NEAR PENNINGTON, N.J. ....	01400932	73
BARCLAY BROOK NEAR ENGLISH TOWN, N.J. ....	01405285	83
BATSTO RIVER AT BATSTO, N.J. ....	01409500	94
BEAVER BROOK AT OUTLET OF SPLIT ROCK RESERVOIR, N.J. ....	01380000	41
BEAVER BROOK NEAR BELVIDERE, N.J. ....	01446000	110
BEDEN BROOK NEAR ROCKY HILL, N.J. ....	01401600	75
BIG FLAT BROOK AT TUTTLES CORNER, N.J. ....	01439830	105
BLACK CREEK NEAR VERNON, N.J. ....	01368950	35
BLACKS CREEK AT BORDENTOWN, N.J. ....	01464531	123
BOUND BROOK AT MIDDLESEX, N.J. ....	01403900	81
BRASS CASTLE CREEK NEAR WASHINGTON, N.J. ....	01455160	113
BUSHKILL BROOK AT ROCKEFELLOWS MILLS, N.J. ....	01397380	61
CANOE BROOK NEAR SUMMIT, N.J. ....	01379530	39
COHANSEY RIVER AT BRIDGETON, N.J. ....	01413015	104
COHANSEY RIVER AT SEELEY, N.J. ....	01412800	103
COOPER RIVER AT CAMDEN, N.J. ....	01467190	129
COOPER RIVER AT HADDONFIELD, N.J. ....	01467150	129
COOPER RIVER AT KIRKWOOD, N.J. ....	01467130	128
COOPER RIVER AT LAWNSIDE, N.J. ....	01467140	128
COOPER RIVER AT NORCROSS ROAD AT LINDENWOLD, N.J. ....	01467120	128
CRAFTS CREEK AT HEDDING, N.J. ....	01464540	123
CROSSWICKS CREEK AT EXTONTVILLE, N.J. ....	01464500	121
CROSSWICKS CREEK AT GROVEVILLE, N.J. ....	01464505	122
DEBOIS CREEK AT WYCKOFF MILLS, N.J. ....	01407862	87
DEEP RUN AT WEYMOUTH, N.J. ....	01411140	100
DELAWARE AND RARITAN CANAL AT KINGSTON, N.J. ....	01460500	117
DELAWARE BAY AT SHIP JOHN SHOAL LIGHTHOUSE, N.J. ....	01412350	103
DELAWARE RIVER AT BELVIDERE, N.J. ....	01446500	111
DELAWARE RIVER AT BENJAMIN FRANKLIN BRIDGE AT PHILADELPHIA, PA. ....	01467200	130
DELAWARE RIVER AT BRISTOL, PA. ....	01464600	124
DELAWARE RIVER AT CHESTER, PA. ....	01477050	132
DELAWARE RIVER AT DELAWARE MEMORIAL BRIDGE AT WILMINGTON, DEL. ....	01482100	133
DELAWARE RIVER AT DUNNFIELD, N.J. ....	01442750	107
DELAWARE RIVER AT EASTON, PA. ....	01446700	111
DELAWARE RIVER AT FORT MIFFLIN AT PHILADELPHIA, PA. ....	01474703	131
DELAWARE RIVER AT LAMBERTVILLE, N.J. ....	01462000	118
DELAWARE RIVER AT LUMBERVILLE, PA. ....	01461000	117
DELAWARE RIVER AT MARINE TERMINAL AT TRENTON, N.J. ....	01464040	121
DELAWARE RIVER AT MONTAGUE, N.J. ....	01438500	105
DELAWARE RIVER AT NORTHAMPTON STREET AT EASTON, PA. ....	01447000	112
DELAWARE RIVER AT PORT JERVIS, N.Y. ....	01434000	104
DELAWARE RIVER AT PORTLAND, PA. ....	01443000	107
DELAWARE RIVER AT REEDY ISLAND JETTY, DEL. ....	01482800	134
DELAWARE RIVER AT RIEGELSVILLE, N.J. ....	01457500	116
DELAWARE RIVER AT TRENTON, N.J. ....	01463500	119
DELAWARE RIVER AT WASHINGTON CROSSING, N.J. ....	01462500	119
DELAWARE RIVER BELOW TOCKS ISLAND DAMSITE NEAR DELAWARE WATER GAP, PA. ....	01440200	106
DELAWARE RIVER NEAR EAST STROUDSBURG, PA. ....	01440090	106
DELAWARE RIVER NEAR RICHMOND, PA. ....	01444800	109
DOCTORS CREEK AT ALLENTOWN, N.J. ....	01464515	122
DOCTORS CREEK AT ROUTE 130 NEAR YARDVILLE, N.J. ....	01464522	122
DRAKES BROOK AT BARTLEY, N.J. ....	01396180	57
EAST BRANCH BASS RIVER NEAR NEW GRETN, N.J. ....	01410150	95
EAST BRANCH STONY BROOK AT BEST LAKE AT WATCHUNG, N.J. ....	01403535	80
ELIZABETH RIVER AT ELIZABETH, N.J. ....	01393500	54
ELIZABETH RIVER AT URSINO LAKE AT ELIZABETH, N.J. ....	01393450	54
FLAT BROOK NEAR FLATBROOKVILLE, N.J. ....	01440000	105
FOURMILE BRANCH AT NEW BROOKLYN, N.J. ....	01410810	98
FOURMILE BRANCH AT WINSLOW CROSSING, N.J. ....	01410803	97
GREAT EGG HARBOR RIVER AT BERLIN, N.J. ....	01410775	96
GREAT EGG HARBOR RIVER AT FOLSOM, N.J. ....	01411000	99
GREAT EGG HARBOR RIVER AT MAYS LANDING, N.J. ....	01411170	100
GREAT EGG HARBOR RIVER AT WEYMOUTH, N.J. ....	01411110	99
GREAT EGG HARBOR RIVER NEAR BLUE ANCHOR, N.J. ....	01410820	98
GREAT EGG HARBOR RIVER NEAR SICKLERVILLE, N.J. ....	01410784	96
GREAT EGG HARBOR RIVER TRIBUTARY 2 AT WINSLOW CROSSING, N.J. ....	01410789	97
GREAT EGG HARBOR RIVER TRIBUTARY AT SICKLERVILLE, N.J. ....	01410787	97
GREEN BROOK AT PLAINFIELD, N.J. ....	01403500	80
GREEN BROOK AT SEELEY MILLS, N.J. ....	01403400	79
GREEN POND BROOK AT PICATINNY ARSENAL, N.J. ....	01379773	40
GREEN POND BROOK AT WHARTON, N.J. ....	01379790	41
GREEN POND BROOK BELOW PICATINNY LAKE AT PICATINNY ARSENAL, N.J. ....	01379780	41
HACKENSACK RIVER AT HACKENSACK, N.J. ....	01378570	37
HACKENSACK RIVER AT JERSEY CITY, N.J. ....	01378640	38

## Appendix 2. Alphabetical index of station names--Continued

Station name	Station number	Page
HACKENSACK RIVER AT NEW MILFORD, N.J.	01378500	37
HACKENSACK RIVER AT RIVERVALE, N.J.	01377000	36
HAKIHOKAKE CREEK AT MILFORD, N.J.	01458100	116
HAMMONTON CREEK AT WESCOATVILLE, N.J.	01409416	93
HARIHOKAKE CREEK NEAR FRENCHTOWN, N.J.	01458400	116
HEATHCOTE BROOK AT KINGSTON, N.J.	01401400	75
HOHOKUS BROOK AT HO-HO-KUS, N.J.	01391000	52
HOLLAND BROOK AT READINGTON, N.J.	01398107	63
HONEY BROOK NEAR PENNINGTON, N.J.	01400953	73
HOSPITALITY BRANCH AT BERRYLAND, N.J.	01411053	99
JUMPING BROOK NEAR NEPTUNE CITY, N.J.	01407760	86
LAMINGTON (BLACK) RIVER AT SUCCASUNNA, N.J.	01399190	64
LAMINGTON (BLACK) RIVER NEAR IRONIA, N.J.	01399200	64
LAMINGTON (BLACK) RIVER NEAR POTTERSVILLE, N.J.	01399500	65
LAMINGTON RIVER AT BURNT MILLS, N.J.	01399780	68
LAMINGTON RIVER AT LAMINGTON ROAD NEAR NORTH BRANCH, N.J.	01399760	68
LAMINGTON RIVER AT LAMINGTON, N.J.	01399545	66
LAMINGTON RIVER NEAR WHITEHOUSE, N.J.	01399550	66
LAWRENCE BROOK AT DAVIDSON'S MILL ROAD NEAR PATRICKS CORNER, N.J.	01404302	81
LAWRENCE BROOK AT FARRINGTON DAM, N.J.	01405000	82
LAWRENCE BROOK AT WESTONS MILLS, N.J.	01405030	82
LITTLE EASE RUN NEAR CLAYTON, N.J.	01411456	101
LOPATCONG CREEK AT PHILLIPSBURG, N.J.	01455100	112
MACS BROOK AT SOMERVILLE, N.J.	01400350	70
MANALAPAN BROOK AT BRIDGE STREET AT SPOTSWOOD, N.J.	01405440	84
MANALAPAN BROOK AT FEDERAL ROAD NEAR MANALAPAN, N.J.	01405340	83
MANALAPAN BROOK AT SPOTSWOOD, N.J.	01405400	84
MANASQUAN RIVER AT ALLENWOOD, N.J.	01408030	89
MANASQUAN RIVER AT ELTON, N.J.	01407810	86
MANASQUAN RIVER AT FAIRFIELD, N.J.	01407880	87
MANASQUAN RIVER AT FARMINGDALE, N.J.	01407910	88
MANASQUAN RIVER AT SQUANKUM, N.J.	01408000	89
MANASQUAN RIVER AT WEST FARMS, N.J.	01407900	88
MANASQUAN RIVER NEAR GEORGIA, N.J.	01407830	87
MANTUA CREEK AT MANTUA, N.J.	01475045	131
MANTUA CREEK AT PITMAN, N.J.	01475000	131
MARSH BOG BROOK AT SQUANKUM, N.J.	01407997	88
MATCHAPONIX BROOK AT MUNDY AVENUE AT SPOTSWOOD, N.J.	01405302	83
MATCHAPONIX BROOK NEAR ENGLISHTOWN, N.J.	01405240	82
MAURICE RIVER AT NORMA, N.J.	01411500	101
MAURICE RIVER AT SHARP STREET AT MILLVILLE, N.J.	01411880	102
MAURICE RIVER NEAR MILLVILLE, N.J.	01411800	102
MCDONALDS BRANCH IN LEBANON STATE FOREST, N.J.	01466500	125
MENANTICO CREEK NEAR MILLVILLE, N.J.	01412000	102
METEDECONK RIVER AT LAURELTON, N.J.	01408155	90
MILL CREEK NEAR WILLINGBORO, N.J.	01467019	127
MILLSTONE RIVER AT APLEGARTH, N.J.	01400560	71
MILLSTONE RIVER AT BLACKWELLS MILLS, N.J.	01402000	76
MILLSTONE RIVER AT CARNEGIE LAKE AT PRINCETON, N.J.	01401301	74
MILLSTONE RIVER AT GROVERS MILL, N.J.	01400650	72
MILLSTONE RIVER AT KINGSTON, N.J.	01401440	75
MILLSTONE RIVER AT PLAINSBORO, N.J.	01400730	72
MILLSTONE RIVER AT WESTON, N.J.	01402540	77
MILLSTONE RIVER NEAR MANALAPAN, N.J.	01400540	71
MILLSTONE RIVER NEAR MANVILLE, N.J.	01402900	78
MINGAMAHONE BROOK AT SQUANKUM, N.J.	01408020	89
MULHOCKAWAY CREEK AT VAN SYCKEL, N.J.	01396660	59
MULLICA RIVER AT OUTLET OF ATSION LAKE AT ATSION, N.J.	01409387	93
MULLICA RIVER NEAR ATCO, N.J.	01409375	92
MULLICA RIVER NEAR BATSTO, N.J.	01409400	93
MUSCONETCONG RIVER AT BEATTYSTOWN, N.J.	01456200	115
MUSCONETCONG RIVER AT LOCKWOOD, N.J.	01455801	114
MUSCONETCONG RIVER AT OUTLET OF LAKE HOPATCONG, N.J.	01455500	114
MUSCONETCONG RIVER AT RIEGELSVILLE, N.J.	01457400	115
MUSCONETCONG RIVER NEAR BLOOMSBURY, N.J.	01457000	115
MUSCONETCONG RIVER NEAR HACKETTSTOWN, N.J.	01456000	114
NESHANIC RIVER AT REAVILLE, N.J.	01398000	62
NORTH BRANCH BIG TIMBER CREEK AT GLENDORA, N.J.	01467359	130
NORTH BRANCH METEDECONK RIVER NEAR LAKEWOOD, N.J.	01408120	90
NORTH BRANCH METEDECONK RIVER NEAR WYCKOFF MILLS, N.J.	01408070	90
NORTH BRANCH PENNSAUKEN CREEK NEAR MOORESTOWN, N.J.	01467069	127
NORTH BRANCH RANCOCAS CREEK AT BROWNS MILLS, N.J.	01465970	125
NORTH BRANCH RANCOCAS CREEK AT PEMBERTON, N.J.	01467000	126
NORTH BRANCH RARITAN RIVER AT BURNT MILLS, N.J.	01399120	64
NORTH BRANCH RARITAN RIVER AT NORTH BRANCH, N.J.	01399830	69
NORTH BRANCH RARITAN RIVER NEAR CHESTER, N.J.	01398260	63
NORTH BRANCH RARITAN RIVER NEAR FAR HILLS, N.J.	01398500	63
NORTH BRANCH RARITAN RIVER NEAR RARITAN, N.J.	01400000	69
OLDMANS CREEK AT PORCHES MILL, N.J.	01477510	133
OSWEGO RIVER AT HARRISVILLE, N.J.	01410000	95
OYSTER CREEK NEAR BROOKVILLE, N.J.	01409095	92
PAPAKATING CREEK AT SUSSEX, N.J.	01367910	34
PASCACK BROOK AT PEARL RIVER, N.Y.	01377300	36
PASCACK BROOK AT WESTWOOD, N.J.	01377500	37
PASSAIC RIVER AT HARRISON, N.J.	01392600	54

## Appendix 2. Alphabetical index of station names--Continued

Station name	Station number	Page
PASSAIC RIVER AT LITTLE FALLS, N.J. ....	01389500	51
PASSAIC RIVER AT PINE BROOK, N.J. ....	01381900	43
PASSAIC RIVER AT ROUTE 46 AT ELMWOOD PARK, N.J. ....	01389880	51
PASSAIC RIVER AT ROUTE 46 AT SINGAC, N.J. ....	01389110	50
PASSAIC RIVER AT TWO BRIDGES, N.J. ....	01382000	44
PASSAIC RIVER BELOW POMPTON RIVER AT TWO BRIDGES, N.J. ....	01389005	50
PASSAIC RIVER NEAR BERNARDSVILLE, N.J. ....	01378690	38
PASSAIC RIVER NEAR CHATHAM, N.J. ....	01379500	39
PASSAIC RIVER NEAR MILLINGTON, N.J. ....	01379000	38
PAULINS KILL AT BALESVILLE, N.J. ....	01443440	108
PAULINS KILL AT BLAIRSTOWN, N.J. ....	01443500	108
PAULINS KILL AT MOUTH AT COLUMBIA, N.J. ....	01444100	109
PEQUANNOCK RIVER AT MACOPIN INTAKE DAM, N.J. ....	01382500	44
PEQUEST RIVER AT BELVIDERE, N.J. ....	01446400	110
PEQUEST RIVER AT PEQUEST, N.J. ....	01445500	110
PETERS BROOK NEAR RARITAN, N.J. ....	01400300	70
PIKE RUN AT BELLE MEAD, N.J. ....	01401650	76
PIKE RUN NEAR ROCKY HILL, N.J. ....	01401700	76
POCHUCK CREEK NEAR PINE ISLAND, N.Y. ....	01369000	35
POHATCONG CREEK AT CARPENTERSVILLE, N.J. ....	01455300	113
POHATCONG CREEK AT NEW VILLAGE, N.J. ....	01455200	113
POMPTON RIVER AT PACKANACK LAKE, N.J. ....	01388600	48
POMPTON RIVER AT POMPTON PLAINS, N.J. ....	01388500	48
POMPTON RIVER AT TWO BRIDGES, N.J. ....	01389000	49
PRESCOTT BROOK AT ROUND VALLEY, N.J. ....	01397100	60
RACCOON CREEK NEAR MULLICA HILL, N.J. ....	01477100	132
RACCOON CREEK NEAR SWEDESBORO, N.J. ....	01477120	133
RAHWAY RIVER AT RAHWAY, N.J. ....	01395000	55
RAHWAY RIVER NEAR SPRINGFIELD, N.J. ....	01394500	55
RAMAPO RIVER AT POMPTON LAKES, N.J. ....	01388000	47
RAMAPO RIVER NEAR MAHWAH, N.J. ....	01387500	47
RANCOCAS CREEK AT WILLINGBORO, N.J. ....	01467016	126
RARITAN RIVER AT MANVILLE, N.J. ....	01400500	70
RARITAN RIVER AT QUEENS BRIDGE AT BOUND BROOK, N.J. ....	01403300	79
RARITAN RIVER AT RARITAN, N.J. ....	01400120	69
RARITAN RIVER BELOW CALCO DAM AT BOUND BROOK, N.J. ....	01403060	78
RARITAN RIVER NEAR MANVILLE, N.J. ....	01400510	71
RARITAN RIVER NEAR SOUTH BOUND BROOK, N.J. ....	01404100	81
RINGWOOD CREEK NEAR WANAQUE, N.J. ....	01384500	45
ROBINSONS BRANCH AT MAPLE AVENUE AT RAHWAY, N.J. ....	01396001	56
ROBINSONS BRANCH AT RAHWAY, N.J. ....	01396000	56
ROCKAWAY CREEK AT WHITEHOUSE, N.J. ....	01399700	68
ROCKAWAY CREEK NEAR POTTERSTOWN, N.J. ....	01399575	66
ROCKAWAY RIVER ABOVE RESERVOIR AT BOONTON, N.J. ....	01380500	42
ROCKAWAY RIVER AT BERKSHIRE VALLEY, N.J. ....	01379700	40
ROCKAWAY RIVER AT PINE BROOK, N.J. ....	01381200	42
ROCKAWAY RIVER BELOW RESERVOIR AT BOONTON, N.J. ....	01381000	42
ROYCE BROOK TRIBUTARY AT FRANKFORT, N.J. ....	01402590	77
ROYCE BROOK TRIBUTARY NEAR BELLE MEAD, N.J. ....	01402600	77
SADDLE RIVER AT FAIR LAWN, N.J. ....	01391200	52
SADDLE RIVER AT LODI, N.J. ....	01391500	53
SADDLE RIVER AT RIDGEWOOD, N.J. ....	01390500	52
SALEM RIVER AT WOODSTOWN, N.J. ....	01482500	134
SECOND RIVER AT BELLEVILLE, N.J. ....	01392500	53
SHARK RIVER NEAR NEPTUNE CITY, N.J. ....	01407705	86
SOUTH BRANCH BIG TIMBER CREEK AT BLACKWOOD TERRACE, N.J. ....	01467329	130
SOUTH BRANCH PENNSAUKEN CREEK AT CHERRY HILL, N.J. ....	01467081	127
SOUTH BRANCH RANCOCAS CREEK AT RETREAT, N.J. ....	01465835	124
SOUTH BRANCH RANCOCAS CREEK AT VINCENTOWN, N.J. ....	01465850	125
SOUTH BRANCH RARITAN RIVER AT ARCH STREET AT HIGH BRIDGE, N.J. ....	01396535	58
SOUTH BRANCH RARITAN RIVER AT MIDDLE VALLEY, N.J. ....	01396280	57
SOUTH BRANCH RARITAN RIVER AT OUTLET OF BUDD LAKE, N.J. ....	01396090	56
SOUTH BRANCH RARITAN RIVER AT SOUTH BRANCH, N.J. ....	01398102	62
SOUTH BRANCH RARITAN RIVER AT STANTON, N.J. ....	01397000	60
SOUTH BRANCH RARITAN RIVER AT THREE BRIDGES, N.J. ....	01397400	61
SOUTH BRANCH RARITAN RIVER NEAR HIGH BRIDGE, N.J. ....	01396500	57
SOUTH BRANCH ROCKAWAY CREEK AT WHITEHOUSE STATION, N.J. ....	01399670	67
SOUTH BRANCH ROCKAWAY CREEK AT WHITEHOUSE, N.J. ....	01399690	67
SOUTH BRANCH ROCKAWAY CREEK TRIBUTARY AT LEBANON, N.J. ....	01399600	67
SOUTH RIVER AT OLD BRIDGE, N.J. ....	01405500	84
SPARKILL CREEK AT SPARKILL, N.Y. ....	01376280	36
SPARKILL CREEK AT TAPPAN, N.Y. ....	01376270	35
SPRUCE RUN AT CLINTON, N.J. ....	01396800	59
SPRUCE RUN AT GLEN GARDNER, N.J. ....	01396580	58
SPRUCE RUN NEAR GLEN GARDNER, N.J. ....	01396588	58
SQUANKUM BROOK AT MALAGA ROAD NEAR WILLIAMSTOWN, N.J. ....	01410865	98
STILL RUN NEAR MICKLETON, N.J. ....	01476600	132
STONY BROOK AT PRINCETON, N.J. ....	01401000	74
STONY BROOK AT WATCHUNG, N.J. ....	01403540	80
SWAN CREEK AT LAMBERTVILLE, N.J. ....	01462005	118
SWIMMING RIVER NEAR RED BANK, N.J. ....	01407500	85
THIRD RIVER AT PASSAIC, N.J. ....	01392210	53
TOMS RIVER AT TOMS RIVER, N.J. ....	01408700	91
TOMS RIVER NEAR TOMS RIVER, N.J. ....	01408500	91
TUCKAHOE RIVER AT HEAD OF RIVER, N.J. ....	01411300	100

Appendix 2. Alphabetical index of station names--Continued

Station name	Station number	Page
UPPER COLD BROOK NEAR POTTERSVILLE, N.J. ....	01399510.....	65
WALLKILL RIVER AT FRANKLIN, N.J. ....	01367700.....	33
WALLKILL RIVER AT OUTFLOW OF LAKE MOHAWK AT SPARTA, N.J. ....	01367620.....	33
WALLKILL RIVER NEAR SUSSEX, N.J. ....	01367770.....	33
WALLKILL RIVER NEAR UNIONVILLE, N.Y. ....	01368000.....	34
WALNUT BROOK NEAR FLEMINGTON, N.J. ....	01397500.....	61
WANAQUE RIVER AT AWOSTING, N.J. ....	01383500.....	45
WANAQUE RIVER AT MONKS, N.J. ....	01384000.....	45
WANAQUE RIVER AT WANAQUE, N.J. ....	01387000.....	46
WEST BRANCH COHANSEY RIVER AT SEELEY, N.J. ....	01412500.....	103
WEST BRANCH MIDDLE BROOK NEAR MARTINSVILLE, N.J. ....	01403150.....	79
WEST BRANCH RAHWAY RIVER AT WEST ORANGE, N.J. ....	01393950.....	55
WEST BRANCH WADING RIVER AT MAXWELL, N.J. ....	01409815.....	95
WEST BRANCH WADING RIVER NEAR JENKINS, N.J. ....	01409810.....	94
WEST BROOK NEAR WANAQUE, N.J. ....	01386000.....	46
WESTECUNK CREEK AT STAFFORD FORGE, N.J. ....	01409280.....	92
WHIPPANY RIVER AT MORRISTOWN, N.J. ....	01381500.....	43
WHIPPANY RIVER NEAR PINE BROOK, N.J. ....	01381800.....	43
WICKECHEOKE CREEK AT STOCKTON, N.J. ....	01461300.....	117
WILLOW BROOK NEAR HOLMDEL, N.J. ....	01407253.....	85
YARDS CREEK NEAR BLAIRSTOWN, N.J. ....	01443900.....	108
YELLOW BROOK AT COLTS NECK, N.J. ....	01407400.....	85