

Summary of Data on Chemical Quality of Streams of North Carolina, 1943-67

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1895-B

*Prepared in cooperation with the
North Carolina Department of
Water and Air Resources*



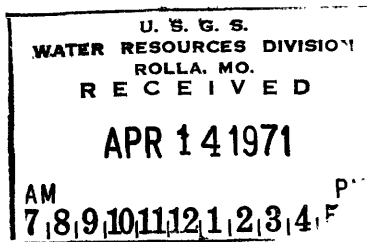
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By HUGH B. WILDER and LARRY J. SLACK

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UNITED STATES DEPARTMENT OF THE INTERIOR

WALTER J. HICKEL, *Secretary*

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QUALITY OF SURFACE WATERS OF NORTH CAROLINA

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS IN NORTH CAROLINA, 1943-67

By HUGH B. WILDER and LARRY J. SLACK

ABSTRACT

This report summarizes water-quality data collected by the U.S. Geological Survey in cooperation with the State of North Carolina during the period 1943-67. Maximum, minimum, and average values are shown for complete analyses of mineral constituents dissolved in water from 177 locations at which samples were collected daily or monthly for at least 1 consecutive year. Maximum and minimum values are given for 460 "miscellaneous and occasional stations" at which two or more chemical analyses were made. Single analyses are shown for 580 additional sampling sites. A total of about 19,000 analyses were used in determining statistical values included in the report.

Water in streams of North Carolina is generally of good mineral quality and is acceptable with a minimum amount of treatment for most uses.

INTRODUCTION

Knowledge of the chemical and physical character of the waters of North Carolina is important for intelligent industrial and municipal planning and development. North Carolina's surface waters are generally of good mineral quality, and are acceptable, with a minimum of treatment, for public water supply, industry, irrigation, fish and wildlife, and recreational activities.

The collection and publication of basic data on the chemical and physical quality of North Carolina surface waters was started as a joint effort in 1943 by the U.S. Geological Survey and the State of North Carolina. This program was continued through September 1967, at which time it was superseded by a more

specialized program designed to obtain supporting data for the State's pollution monitoring activities. Reports containing the basic data collected under this program have been published annually to meet the current needs of users of water-quality data. Table 1 gives information on these annual reports, including the State department and division cooperating in the program, bulletin number, volume number, and title of the reports.

Other information concerning the chemical quality of waters in North Carolina may be found in the following publications:

Chemical and Physical Character of Municipal Water Supplies in North Carolina, Bull. 2. (Available from Director, N.C. Department of Water and Air Resources, P.O. Box 9392, Raleigh, N.C. 27603.)

Gambell, A. W., and Fisher, D. W., Chemical Composition of Rainfall, Eastern North Carolina and Southeastern Virginia; U.S. Geol. Survey Water-Supply Paper 1535-K. (For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Price 65 cents.)

Fisher, D. W., Annual Variations in Chemical Composition of Atmospheric Precipitation, Eastern North Carolina and Southeastern Virginia; U.S. Geol. Survey Water-Supply Paper 1535-M. (For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Price 15 cents.)

Data on the chemical quality of ground-water are contained in a series of reports on areal ground-water investigations. These are available from the Director, N.C. Department of Water and Air Resources, P.O. Box 9392, Raleigh, N.C. 27603.

TABLE 1.—*Historical summary of cooperative quality-of-water investigations by the U.S. Geological Survey in North Carolina*

Water year	Cooperating agency	Publications	
		Title	Volume
1944.....	A	E	1944
1945.....	A	E	1
1946.....	A	E	2
1947.....	A	E	3
1948.....	A	E	4
1949.....	A	E	5
1950.....	A	E	6
1951.....	A	E	7
1952.....	B	E	8
1953.....	B	F	9
1954.....	B	F	10
1955.....	B	F	11
1956.....	B	F	12
1957.....	C	F	1
1958.....	C	F	2
1959.....	C	F	3
1960.....	C	F	4
1961.....	C	F	5
1962.....	C	F	6
1963.....	C	F	7
1964.....	C	F, G	8, 1964
1965.....	C	F, G	9, 1965
1966.....	C	F, G	¹ 10, 1966
1967.....	D	F, G	¹ 11, 1967

¹ Awaiting publication at time of this report.

Code

Cooperating agencies:

- A. North Carolina Department of Conservation and Development; Division of Water Resources and Engineering
- B. North Carolina Department of Conservation and Development; Division of Water Resources, Inlets and Coastal Waterways
- C. North Carolina Department of Water Resources; Division of Stream Sanitation and Hydrology
- D. North Carolina Department of Water and Air Resources, Division of Stream Sanitation and Hydrology

Publication titles and sources:

- E. Chemical Character of Surface Waters of N.C., Bull. 52. (Available from: Director, N.C. Department of Water and Air Resources, P.O. Box 9392, Raleigh, N.C. 27603)
- F. Chemical and Physical Character of Surface Waters of N.C. (Available from: Director, N.C. Department of Water and Air Resources, P.O. Box 9392, Raleigh, N.C. 27603)
- G. Water Resources Data for North Carolina, Part 2, Water Quality Records. (Available from District Chief, Water Resources Division, U.S. Geological Survey, 436 Federal Bldg., Raleigh, N.C. 27602)

The purpose of this report is to summarize in a convenient format the data on chemical and physical quality of surface water which was collected from 1943 through September 1967. These

data are contained in 28 different reports published by either the State or Federal Government. (See table 1.) The number of reports involved, and the manner in which the data are separated by years, make it difficult to assimilate all the data relative to a given location. This report is intended to overcome this problem.

The total number of chemical analyses made as a part of the Federal-State cooperative program number about 19,000. It is, of course, not feasible to include each of these analyses in a single report. The results of most of the analyses are summarized in this report in terms of the maximum, minimum, and, where sufficient data are available, average values for the stations at which samples were collected.

Quality-of-water data for 1,196 stations are included in this report. The locations of 637 stations for which more than one sample was collected are shown on plate 1. Of these, data are not included in the tables for 21 stations affected by sea-water encroachment. Samples were collected daily for at least 1 consecutive year at 102 of the 637 stations, monthly for at least 1 consecutive year at 75 stations, and more than once at 460 stations. The locations of 580 sites for which only one sample was collected are shown on plate 2.

Descriptions of the locations and other information on the stations and the analytical data are given in tables 2-6. Following is a summary of the content of each of these tables:

Table 2 provides information on station name and location period for which data are available, drainage area, and discharge for those stations for which two or more analyses are available.

Table 3 shows maximum, minimum, and time-weighted daily averages for the various chemical-quality parameters for stations at which daily or monthly records are available for at least 1 consecutive year.

Table 4 shows maximum and minimum values for stations at which two or more chemical analyses are available, but for which the number of analyses is not sufficient to derive meaningful averages.

Table 5 provides information on name and location, drainage area, and instantaneous discharges for the sites at which only one chemical analysis is available.

Table 6 contains the chemical analyses for those sites for which only single analyses are available.

METHODS OF INVESTIGATION

For the most part, the samples collected at the stations were depth-integrated samples collected in or near the center of flow of

the streams. A depth-integrated sample is one collected by lowering and raising a sampler at a uniform rate in an effort to collect equal amounts of water from all depths. This method has the disadvantage of collecting water from only one vertical in the channel cross section. However, except in rare cases where unmixed pollution is present, cross-sectional variations in the chemical quality of fresh surface waters in North Carolina are small.

Daily samples were composited within either 10-day or monthly periods on the basis of similar specific conductance. Specific conductance was determined on each daily sample, and, within the compositing period, samples whose conductance did not differ by more than about 50 percent were combined on an equal volume basis. Complete chemical analyses were made on the composites. Monthly and all other samples were analyzed individually.

The chemical analyses were made in the U.S. Geological Survey, Quality of Water laboratory, Raleigh, N.C., in accordance with methods approved by the Geological Survey at the time the analyses were made.

REPORTING UNITS

Four basic units of measurements are used in this report to express the results of chemical analyses:

1. **Milligrams per liter (mg/l).**—The number of milligrams of a constituent present in 1 liter of water. All the results reported herein in milligrams per liter were formerly published as parts per million by weight (ppm). For dissolved solids concentrations less than about 12,000 mg/l there is no significant difference between milligrams per liter and parts per million, and the two can be used interchangeably. Grains per U.S. gallon can be calculated by dividing milligrams per liter by 17.1.

2. **Micromhos at 25°C.**—The unit used for expressing the specific conductivity of a water.

3. **Color unit.**—An arbitrary unit used to measure the color of natural waters. One color unit is the amount of color produced by the solution of 1 milligram of platinum (as platinum cobalt) per liter of distilled water.

4. **pH.**—A unit used to express acidity or basicity in terms of the concentration of free hydrogen ions in an aqueous solution. It is calculated as the negative logarithm of the hydrogen-ion concentration in moles per liter.

A discussion of the significance of the various water-quality parameters is included.

ACKNOWLEDGMENTS

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SIGNIFICANCE AND OCCURRENCE OF EACH CONSTITUENT

SILICA (SiO_2)

Silica in waters results from chemical and physical decomposition of silicate minerals that are abundant in most rocks. The chemistry of the element silicon, when dissolved in water, is rather complex; and, for simplicity, it is commonly considered to exist in particles of amorphous silica of subcolloidal size.

Silica is of little significance for most domestic and industrial uses, but it forms a hard scale in high-pressure boilers and steam turbines when in solution with calcium and magnesium.

All surface waters in North Carolina contain some silica; concentrations usually range from 3.0 to 30 mg/l.

IRON (Fe)

Iron is dissolved in varying amounts from most rocks and soils. It can also be dissolved from iron pipes, pumps, and other distribution equipment.

Iron in amounts less than 0.3 mg/l is not objectionable for most uses. Greater concentrations stain laundry, porcelain fixtures, utensils, and other materials. Some industries, particularly those producing textiles, processing food, and manufacturing paper require water which is virtually iron free.

Iron is only sparingly soluble in water exposed to air, except where acid wastes are present. Therefore, it is almost always found in amounts less than 0.3 mg/l in surface waters of North Carolina.

CALCIUM (Ca) AND MAGNESIUM (Mg)

Calcium and magnesium are dissimilar in many of their chemical reactions, but they are usually considered together when evaluating the utility of a water because of their parallel importance in causing hardness and formation of scale. (See "Hardness.")

Calcium and magnesium are dissolved from many rocks and soils; but, in North Carolina, concentrations greater than about 8.0 mg/l are generally a result of either solution of limestone or pollution. They may be economically removed from waters that

are otherwise suitable. These constituents are not present in objectionable quantities in most surface waters of North Carolina.

SODIUM (Na)

Sodium is contributed to waters by a variety of natural chemical and physical processes. In fresh surface waters of North Carolina, however, amounts greater than 5.0 mg/l are generally attributable to some type of pollution.

Moderate amounts have little effect on the usefulness of a water for most purposes. Concentrations greater than about 50 mg/l may cause foaming in steam boilers, and waters high in sodium and low in calcium and magnesium are deleterious to soil structure when used for irrigation. Sodium, in combination with chloride, in concentrations greater than about 140 mg/l gives water the characteristic salty taste of sea water.

POTASSIUM (K)

Potassium is chemically similar to sodium. Unlike sodium, however, it does not tend to persist in solution in most natural environments, and it is not a significant constituent in surface waters of North Carolina.

BICARBONATE (HCO_3)

The property of alkalinity is defined as the ability of water to neutralize acid to a pH of 4.5. The most important constituent causing alkalinity in waters of North Carolina is bicarbonate, and it is reported in these terms. Borates, phosphates, and other basic radical ions also contribute to alkalinity, but their role is almost always insignificant.

Alkalinity is usually derived from the solvent action of dissolved carbon dioxide on carbonate-bearing rocks.

Bicarbonate alone has little significance in determining the utility of a water, but, when it is in solution with calcium, it may serve to form hard deposits in water lines and boilers and on utensils. Waters having high concentrations of sodium bicarbonate will attain a high pH when heated, particularly under pressure, and often cause difficulty in commercial canning and food-preserving processes.

Except where affected by pollution, bicarbonate in surface waters of North Carolina does not usually exceed 20 mg/l. Minor exceptions are found in a few streams draining the limestone deposits in eastern North Carolina.

This definition of alkalinity should not be confused with a related chemical usage in which the term "alkaline" is used interchangeably with "basic" to describe solutions having a pH of greater than 7.0.

SULFATE (SO₄)

Sulfate may be dissolved from several naturally occurring minerals. However, concentrations of this constituent in surface waters of North Carolina are insignificant for most purposes, except in a few areas where significant amounts are added to streams by industrial pollution.

CHLORIDE (Cl)

Chloride is dissolved in minor amounts from some rocks and soils. It is present in most domestic and industrial wastes and is found in large amounts in sea-water. (In combination with sodium it gives water a characteristic salty taste.) Concentrations greater than about 3–5 mg/l in surface waters of North Carolina are usually a result of some type of pollution, or, in the extreme eastern part of the State, contamination by sea-water.

Water containing chloride in concentrations to about 250 mg/l is acceptable for most uses.

FLUORIDE (F)

Fluoride is a minor constituent in surface waters of North Carolina. Even in moderately small concentrations, however, it has sufficient physiological significance to merit special attention. In concentrations, of 1.0 to 1.5 mg/l it has been shown to reduce dental caries in children. Amounts much greater than 1.5 mg/l may cause permanent mottling of the teeth. Concentrations of fluoride in surface waters in North Carolina range from less than 0.1 to 1.3 mg/l, but they do not usually exceed 0.5 mg/l except where severe pollution is a factor.

NITRATE (NO₃)

Generally, nitrate is not an important constituent in most natural surface waters. Federal drinking-water standards recommend that water containing more than 45 mg/l not be used for drinking water.

In surface waters of North Carolina, concentrations greater than about 1.0 mg/l are probably a result of contamination by nitrogenous organic matter or fertilizer.

PHOSPHATE (PO₄)

Phosphate in moderate amounts has little direct significance in determining the usefulness of a water. In surface waters of North Carolina minor concentrations may be contributed by household detergents or fertilizer, but concentrations usually do not exceed a few tenths of a milligram per liter, except where industrial and municipal pollution is an important factor.

The importance of even small amounts of phosphate as a plant nutrient in promoting the growth of undesirable aquatic vegetation has caused new interest in this constituent during recent years. Concentrations greater than about 0.1 mg/l represent potentially undesirable conditions in free-flowing streams. As may be seen in tables 3 and 4, many streams in North Carolina contain amounts greater than 0.1 mg/l.

DISSOLVED SOLIDS

Dissolved solids, as reported herein, represent the total dry weight of dissolved material in a water sample. Two methods of determining dissolved solids are in common use:

1. "Dissolved solids (calculated)" is determined by taking the sum of individual constituents analyzed for in a complete chemical analysis. (It does not include any organic matter present and is a good estimate of the total dissolved mineral matter.) It should be noted that when calculating dissolved solids bicarbonate is multiplied by 0.49174 to reduce it to the amount of carbonate that would be left if the sample had been evaporated to dryness.

2. "Dissolved solids (residue at 180°C)" is a direct measurement made by evaporating a known amount of water, drying at 180°C, and weighing the residue. It includes both mineral and organic solutes, and in highly colored (see "Color") or polluted waters may be significantly higher than the calculated dissolved solids.

Dissolved solids in surface waters of North Carolina seldom exceed 60 mg/l, except where pollution or sea-water intrusion is present.

SPECIFIC CONDUCTANCE (MICROMHOS)

The specific conductance of a water is a measure of the amount of electrical current it will conduct. Pure water is a very poor conductor, but highly mineralized waters conduct current readily. Therefore, specific conductance affords a quick approximation of the total amount of mineral matter dissolved in a water. In general, dissolved solids of surface waters of North Carolina can be approximated by multiplying the specific conductance by a factor of 0.6–0.65. Specific conductance does not supply information about the relative amounts of the various dissolved constituents.

HARDNESS

Waters which do not lather readily with soap and which form curds are described as being "hard." Such waters usually form scale in boilers, encrustations on cooking utensils, and may leave deposits in water lines. Hardness may be caused by any polyvalent

cation in solution. Of these cations, only calcium and magnesium are present in significant amounts in the surface waters of North Carolina, and calcium is usually present in larger concentrations than magnesium.

Since the hardness of a water is a characteristic usually caused by more than one constituent, it is necessary to establish some means of reporting it in quantitative terms. A conventional procedure has been adopted whereby the hardness-causing constituents are measured independently, and then converted into a chemically equivalent amount of CaCO_3 (calcium carbonate). The sum of the CaCO_3 equivalents of all these constituents is used to calculate the amount of pure CaCO_3 required to produce a hardness equal to that of the water. Industrial requirements vary greatly with respect to the acceptable amounts of hardness. The U.S. Geological Survey uses the following arbitrary ranges to classify the hardness of water:

<i>Hardness as CaCO_3 (milligrams per liter)</i>	<i>Classification</i>
0- 60.....	Soft
61-120.....	Moderately hard
121-180.....	Hard
181+	Very hard

According to this scale, unpolluted fresh surface waters of North Carolina are soft, except for a few streams in eastern North Carolina where drainage from limestone beds may make them moderately hard during periods of low or base flow.

pH

pH is a measurement of the amount of free hydrogen ions in solution (see "Reporting units"). The presence or absence of hydrogen ions in solution cause a water to be either acid or basic. Values of pH less than 7.0 are acid, 7.0 is neutral, and values greater than 7.0 are basic.

The pH of a water is important in determining its corrosive potential. In general, acid waters are more corrosive than neutral or basic waters.

The pH of most natural surface waters of North Carolina ranges from 5.5 to 7.5.

COLOR

Color in the surface waters of North Carolina is due to two principal causes: (1) decomposition of organic matter in swamps and sluggish streams and (2) industrial pollution. The decomposed organic matter gives the water a brown tealike color. Color due

to industrial wastes is associated principally with textile dyeing operations.

Color graduation is determined by a comparison of the water with standard platinum-cobalt solutions (see "Reporting units") and is reported in color units. Levels as high as 15 units are not troublesome for most uses, but, at significantly higher units, the water becomes esthetically objectionable for drinking and may stain clothing, porcelain fixtures, and other materials.

Color in surface waters of North Carolina may vary from near zero in the mountains to several hundred units in the swamps of the Coastal Plain.

EXPLANATION OF TABULAR DATA

TABLE 2

Table 2 contains information on the location and other features of the 637 sampling stations for which two or more chemical analyses were made. Chemical analyses for these stations are summarized in tables 3 and 4. The stations are given in downstream order by river basins. The following information is given in table 2:

No. on pl. 1 is the number used to show the location of the stations given in tables 2-4.

The station No. is an official number used by the U.S. Geological Survey to identify a station at which hydrologic data have been collected. The stations are numbered in downstream order starting at the head of a river basin. Station numbers in this table are in numerical order, but they do not run consecutively.

Station name is the official name of the sampling site, including the name of the stream and the nearest identifiable town or community.

Chemical data column shows the frequency with which samples were collected at a station, and the time period during which samples were collected. At many stations samples were collected with a different frequency at different times during the period of sampling. In such instances only the greatest frequency for which samples were collected for at least 1 consecutive year is given. The "Period of sampling" is the month and year in which the first and last samples at a station were collected. For many stations sampling was not continuous during the entire period given.

Drainage area is the area upstream from the station, in square miles, from which surface drainage enters the stream.

Discharge, in cfs, is the rate of flow. Cubic feet per second (cfs) is the unit used for streamflow in this report; it is the number of cubic feet of water that passes the station each second.

High (50-year flood) is the instantaneous peak discharge, occurring as an annual maximum and having a recurrence interval of 50 years. Recurrence interval is defined as the average time, in years, between which extreme value will be equaled or exceeded. No particular time of occurrence is implied. It cannot be predicted when a drought or flood of a given magnitude will occur, but the probable number of such events during a long period of time can be estimated. "Probability" or "frequency" is the reciprocal or recurrence interval. Thus, a 50-year flood would have a probability of $1/50$, or 0.02.

Low (7-day, 10-year minimum) is the average 7-day discharge, occurring as an annual minimum and having a recurrence interval of 10 years. "Recurrence interval" is defined in the preceding paragraph.

Average discharge is computed by averaging all complete water years (October 1–September 30) of record.

These discharge estimates are the best attainable from available analytical data. About 75 percent of the discharges included in this report are based on data collected at the site for which it is reported; the remaining 25 percent are estimates based on runoff values observed in nearby streams. Accuracy of the estimates based on analytical data is generally much better than the data which are based purely on regional estimates (these could be in error by as much as several hundred percent). In many instances, regulation and diversion, pooling behind dams, ocean tides, and perhaps other factors, affect flow more than 10 percent. No estimates are given for those sites which are denoted in table 2 by an asterisk (*).

TABLE 3

Table 3 shows maximum, minimum, and average values for stations at which samples were collected daily or monthly for at least 1 consecutive year.

The maximum and minimum values are intended to indicate the ranges within which the various chemical constituents may be expected to vary. The extreme values tabulated are those for each individual constituent, and, at a given station, the maximum or minimum values for all parameters probably did not occur simultaneously. In a few instances where long-term records are available, one maximum value is anomalously higher than any others in the group. If, in the opinion of the authors, the anomalous value does not represent conditions that may be expected to recur with significant frequency, these values are not included in

the summary tabulation. Instead, the second highest value is reported as the maximum.

In the extreme eastern part of the State, many of the rivers are subject to salt-water encroachment from the Atlantic Ocean. At four of the daily stations in this area, long-term records indicate that the water is of good chemical quality almost all the time, but it may be affected by sea water for short periods during prolonged periods of very low streamflow or extremely high ocean tides caused by hurricanes and other large storms. Fresh-water quality for these stations is summarized in the tabulation of table 3, and a footnote is included to indicate that maximum values may occasionally exceed those shown, owing to the encroachment of sea water. At 21 other stations, as shown on plate 1, sea water was present so frequently that meaningful averages and extremes could not be derived. Analyses from these 21 stations are not included in table 3.

The "average" values given in this table are time weighted on a daily basis. Where analyses of composited samples were used, the number of days in the composite was used to give proper weight to the analysis. For records including periods of both daily and monthly sampling, however, each individual monthly sample was considered to be representative of the quality only for the day the sample was collected, and therefore it was given a weight of only 1 day in computing averages.

TABLE 4

Table 4 summarizes chemical analyses for miscellaneous and occasional sampling stations. These are stations at which at least two samples were collected for chemical analyses, but for which 1 unbroken year of daily or monthly record is not available. The maximum and minimum values tabulated may be taken from as few as two or as many as 50 samples. The number of samples taken at each site is given in the table. No average values are reported for these stations because the sampling schedules were not specifically designed to define a full range of seasonal variations. Therefore, the extremes reported may not be the maximum and minimum values which may be expected to occur. Except where severe pollution is a factor, however, they should provide a reasonably good indication of the overall chemical quality of a stream.

TABLE 5

Table 5 summarizes information on location and other features of the 580 stations at which only one sample was collected for chemical analysis. The following information is given:

No. on pl. 2.—A number used on plate 2 to show the location of stations for which chemical analyses are given in table 6.

Station No.—Same as described under "Table 2."

Station Name.—Same as described under "Table 2."

Date.—The month, day, and year in which the sample was taken.

Drainage Area.—Same as described under "Table 2."

Discharge.—Discharges given in table 5 are instantaneous measurements of streamflow in cubic feet per second (cfs) made at, or nearly, the same time the sample was taken. Most of these discharge measurements were made in connection with areal studies of low or base flow, and they tend to be lower than the average flow for the various locations. This is not universally true, however, and a few of them may be average or higher-than-average for the location.

TABLE 6

Table 6 gives a tabulation of chemical analyses for stations at which only one sample was taken for chemical analysis. It is not known to what degree these analyses represent average or typical conditions for the various locations. In general, the samples were collected in connection with areal studies of low or base streamflow, and the dissolved constituents reported in table 6 may tend to be somewhat higher than average. However, natural variations of water quality with time are usually minor in North Carolina. Except where municipal or industrial wastes are discharged into the stream system, these analyses are generally representative of overall stream quality in the area sampled.

TABLES 2-6

Table 2.--Description of stations at which more than

[Sampling frequency is daily, D;

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PASQUOTANK RIVER BASIN			
1	2-0438.5	Pasquotank River tributary near Elizabeth City, N.C.	0	7-57 to 6-60	a2
2	2-0438.52	Pasquotank River near Elizabeth City, N.C. <u>b</u> /	D	10-57 to 9-67	a280
3	2-0438.62	Pasquotank River at Elizabeth City, N.C. <u>b</u> /	D	10-57 to 9-67	a300
		PERQUIMANS RIVER BASIN			
4	2-0438.92	Perquimans River at U.S. Highway 17 at Hertford, N.C. <u>b</u> /	D	10-57 to 9-60	a94
		CHOWAN RIVER BASIN			
5	2-0530.73	Meherrin River near Severn, N.C.....	M	9-54 to 9-55	a1,120
6	2-0532	Potecasi Creek near Union, N.C.....	0	9-56 to 8-67	191
7	2-0532.44	Chowan River at Winton, N.C. <u>c</u> /.....	D	10-54 to 9-67	a4,200
8	2-0533.8	Cole Creek near Gatesville, N.C.....	0	9-56 to 8-58	a31
9	2-0534	Ahoskie Creek near Rich Square, N.C...	0	8-64 to 8-67	a3.7
10	2-0534.5	Ahoskie Creek at Minton's Store, N.C...	0	8-64 to 8-67	a24
11	2-0535	Ahoskie Creek at Ahoskie, N.C.....	0	2-55 to 8-67	a57
12	2-0535.1	Ahoskie Creek tributary at Poor Town, N.C.	0	9-63 to 8-67	a2.6
13	2-0535.3	Ahoskie Creek near Powellsville, N.C...	0	8-57 to 8-61	a130

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B17

one sample was collected for chemical analyses

monthly, M; and occasional or periodic, 0]

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
500	0	1.4	Lat 36°22'20", long 76°17'40", at culvert on U.S. Highway 17, 2.0 miles above mouth and 6.3 miles northwest of Elizabeth City, Pasquotank County.
6,280	(*)	220	Lat 36°21'45", long 76°15'11", at end of Secondary Road 1351, 3.6 miles below Drummond Canal, and 5 miles northwest of Elizabeth City, Pasquotank County.
6,930	(*)	240	Lat 36°18'00", long 79°13'00", at bridge on U.S. Highway 158, in Elizabeth City, Pasquotank County, and $\frac{1}{2}$ mile below Knobbs Creek.
6,770	(*)	75	Lat 36°11'40", long 76°28'00", at bridge on U.S. Highway 17 at Hertford, Perquimans County, and $\frac{3}{4}$ mile above Mill Creek.
21,400	18	1,170	Lat 36°32'20", long 77°11'20", at bridge on State Highway 35, 1-1/4 miles above Tarrara Creek, and $1\frac{1}{4}$ miles north of Severn, Northampton County.
4,690	.2	230	Lat 36°22', long 77°02', at bridge on Secondary Road 1168, $2\frac{1}{2}$ miles north of Union, Hertford County, and 3-1/4 miles above Bells Branch.
65,200	(*)	4,060	Lat 36°24'00", long 76°55'50", at bridge on U.S. Highway 158 at Winton, Hertford County, and $2\frac{1}{2}$ miles below Meherrin River.
3,700	0	25	Lat 36°26'30", long 76°46'30", at bridge on U.S. Highway 158, 3 miles northwest of Gatesville, Gates County, and 5.4 miles above Sarem Creek.
568	0	4.4	Lat 36°15', long 77°14', at bridge on Secondary Road 1100, $1\frac{1}{4}$ miles below Seaboard Coast Line Railroad bridge, and $3\frac{1}{2}$ miles southeast of Rich Square, Northampton County.
1,950	0	29	Lat 36°17', long 77°09', at bridge on State Highway 305, $1\frac{1}{2}$ miles southeast of Minton's Store, Hertford County, and 3 miles above Fort Branch.
3,480	0	68	Lat 36°17', long 77°00', at bridge on State Highway 350, $\frac{1}{2}$ mile above Seaboard Coast Line Railroad bridge, and $\frac{3}{4}$ mile southwest of Ahoskie, Hertford County.
684	0	3.2	Lat 36°16', long 77°01', at bridge on Secondary Road 1105, 1 mile southeast of Poor Town, Hertford County, and 1 mile above mouth.
7,070	.1	150	Lat 36°15', long 76°57', at bridge on U.S. Highway 13, in Hertford County, 1-1/4 miles north of Powellsville, Bertie County, and 7 miles above mouth.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		CHOWAN RIVER BASIN--Continued			
14	2-0535.32	Ahoskie Creek at Bethlehem, N.C.....	0	8-57 to 8-61	a140
15	2-0535.36	Whiteoak Swamp near Bethlehem, N.C....	0	7-57 to 8-61	a5.3
16	2-0535.43	Flat Swamp near Cofield, N.C.....	0	7-57 to 8-61	a4.5
17	2-0535.64	Chinkapin Creek near Bethlehem, N.C...	0	7-57 to 8-61	a52
18	2-0535.83	Duke Swamp at Sunbury, N.C.....	0	9-56 to 4-58	43.0
19	2-0536.52	Chowan River near Edenhouse, N.C.b/...	D	10-57 to 9-67	a4,870
		ROANOKE RIVER BASIN			
20	2-0685	Dan River near Francisco, N.C.....	0	3-54 to 7-67	124
21	2-0687.2	Snow Creek near Prestonville, N.C....	0	4-67 to 9-67	a23
22	2-0687.21	Snow Creek tributary near Preston- ville, N.C.	0	9-56 to 9-59	a1.0
23	2-0689.8	Town Fork Creek at Walnut Cove, N.C...	0	8-54 to 9-66	a110
24	2-0690.5	Belews Creek near Pine Hall, N.C.....	0	3-54 to 9-66	a79
25	2-0694.1	Big Beaver Island Creek near Madi- son, N.C.	0	10-54 to 9-66	a24
26	2-0705	Mayo River near Price, N.C.....	D	10-49 to 7-67	260
27	2-0707.2	Hogan Creek near Madison, N.C.....	0	1-56 to 9-66	a23
28	2-0710	Dan River near Wentworth, N.C.....	D	10-50 to 7-67	a1,050

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B19

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
8,930	0.1	170	Lat 36°16'30", long 76°54'00", at bridge on Secondary Road 1417, 0.9 mile west of Bethlehem, Hertford County, and 1.5 miles above Whiteoak Swamp.
1,080	0	5.8	Lat 36°17'20", long 76°54'50", at bridge on Secondary Road 1424, 0.7 mile above mouth and 1.8 miles northwest of Bethlehem, Hertford County.
965	0	5.0	Lat 36°19'00", long 76°56'00", at bridge on Secondary Road 1425, 0.2 mile above mouth and 3.2 miles south of Cofield, Hertford County.
5,200	0	52	Lat 36°15'10", long 76°51'00", at bridge on Secondary Road 1432, 1½ miles above Killem Swamp and 2.7 miles southeast of Bethlehem, Hertford County.
4,610	0	34	Lat 36°26'40", long 76°37'40", at bridge on U.S. Highway 158, 0.4 mile above mouth and 1.0 mile west of Sunbury, Gates County.
74,200	(*)	4,700	Lat 36°02'50", long 76°41'50", at bridge on U.S. Highway 17, 1 mile northeast of Edenhouse, Bertie County, and 3¼ miles below Rockyhock Creek.
17,300	(*)	210	Lat 36°30'53", long 80°18'11", 200 ft above bridge on State Highway 704, ¼ mile below Elk Creek, 3 miles east of Francisco, Stokes County.
8,300	3.3	32	Lat 36°28', long 80°09', at bridge on Secondary Road 1652, 1 mile below Little Snow Creek and 3 miles west of Prestonville, Stokes County.
1,050	0	1.4	Lat 36°27', long 80°09', at bridge on Secondary Road 1652, 1/4 mile above mouth, and 2½ miles west of Prestonville, Stokes County.
24,700	6.2	140	Lat 36°17', long 80°09', at bridge on U.S. Highway 311, at Walnut Cove, Stokes County, and 4 miles above mouth.
13,800	10	100	Lat 36°19', long 80°02', at bridge on Secondary Road 1138, in Rockingham County, ½ mile above mouth and 1½ miles east of Pine Hall, Stokes County.
6,770	1.0	31	Lat 36°23', long 79°59', at bridge on U.S. Highway 311, ¾ mile above mouth and 1 mile southwest of Madison, Rockingham County.
25,600	74	360	Lat 36°32'10", long 79°59'30", 300 ft below bridge, ½ mile below South Mayo River, 4 miles west of Price, Rockingham County.
5,330	2.5	30	Lat 36°23', long 79°55', at bridge on Secondary Road 2189, ½ mile above mouth and 3½ miles east of Madison, Rockingham County.
69,000	(*)	1,370	Lat 36°25', long 79°50', 600 ft below bridge 3½ miles northwest of Wentworth, Rockingham County, 7½ miles below Mayo River, 103.7 miles upstream from mouth.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		ROANOKE RIVER BASIN--Continued			
29	2-0715	Dan River at Leaksville, N.C.....	D	11-44 to 9-67	a1,150
30	2-0740	Smith River at Spray, N.C.....	M	10-49 to 6-68	538
31	2-0740.56	Town Creek near Leaksville, N.C.....	0	9-59 to 9-59	a12
32	2-0743.6	Wolf Island Creek near Pelham, N.C....	0	3-54 to 9-66	a69
33	2-0750.68	Hogans Creek near Reidsville, N.C.....	0	9-59 to 9-59	a40
34	2-0750.9	Hogans Creek near Providence, N.C.....	0	1-56 to 7-66	a96
35	2-0751.42	East Prong Moon Creek tributary near Yanceyville, N.C.	0	9-59 to 7-66	a5.3
36	2-0751.6	Moon Creek near Yanceyville, N.C.....	0	3-62 to 9-67	29.9
37	2-0751.7	Moon Creek near Providence, N.C.....	0	3-54 to 7-66	a38
38	2-0751.9	Rattlesnake Creek at Blanch, N.C.....	0	9-59 to 7-66	a24
39	2-0752.08	Country Line Creek near Locust Hill, N.C.	0	9-59 to 7-66	a22
40	2-0752.2	Country Line Creek at Yanceyville, N.C.	0	9-56 to 7-66	a48
41	2-0752.6	South Country Line Creek near Yancey- ville, N.C.	0	4-53 to 9-58	a29
42	2-0752.7	Country Line Creek near Semora, N.C...	0	1-56 to 9-66	a120

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B21

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
72,500	(*)	1,480	Lat 36°29', long 79°46', at Leaksville, Rockingham County, $\frac{1}{2}$ mile downstream from bridge on State Highway 87, and $\frac{1}{2}$ mile upstream from Smith River.
56,400	(*)	700	Lat 36°31'32", long 79°45'54", on right bank, 0.7 mile northwest of town hall in Spray, Rockingham County, 0.8 mile upstream from bridge on Secondary Road 1714, 1.2 miles south of Va.-N.C. state line, 1.3 miles downstream from Stuart Creek, and 3.9 miles upstream from mouth.
2,420	1.8	15	Lat 36°29', long 79°42', at bridge on Secondary Road 1974, 1 mile above mouth and 3 miles southeast of Leaksville, Rockingham County.
8,540	4.3	69	Lat 36°31'50", long 79°30'10", at bridge on State Highway 700, $\frac{1}{2}$ mile above mouth and 2 $\frac{1}{2}$ miles northwest of Pelham, Caswell County.
6,620	1.9	40	Lat 36°24', long 79°32', at bridge on U.S. Highway 158, 1 $\frac{1}{2}$ miles below Jones Creek and 8 miles northeast of Reidsville, Rockingham County.
11,300	3.3	96	Lat 36°30'50", long 79°23'00", at bridge on Secondary Road 1500, 1 mile northwest of Providence, Caswell County, and 3 $\frac{1}{2}$ miles above mouth.
1,800	0	5.3	Lat 36°25', long 79°25', at bridge on Secondary Road 1311, 1/4 mile above mouth and 4 miles west of Yanceyville, Caswell County.
5,660	1.5	33	Lat 36°28', long 79°23', at bridge $\frac{1}{2}$ mile below East Prong, 5 $\frac{1}{2}$ miles northwest of Yanceyville, Caswell County.
6,620	1.9	42	Lat 36°29', long 79°22', at bridge on old State Highway 86, 1 mile southeast of Providence, Caswell County, and 2 miles below East Prong.
5,520	.7	26	Lat 36°30'30", long 79°17'40", at bridge on Secondary Road 1523, at Blanch, Caswell County, and $\frac{1}{2}$ mile above mouth.
4,740	1.2	22	Lat 36°22', long 79°26', at bridge on Secondary Road 1126, 1 mile above Hostler Branch and 1 mile south of Locust Hill, Caswell County.
8,060	2.6	48	Lat 36°23', long 79°20', at bridge on State Highway 62, 1 mile south of Yanceyville, Caswell County, and 1 $\frac{1}{2}$ miles above South Country Line Creek.
6,190	0	29	Lat 36°21', long 79°17', below Penson Creek, 1/4 mile below bridge on Secondary Road 1736 and $\frac{4}{5}$ miles southeast of Yanceyville, Caswell County.
14,500	2.5	120	Lat 36°30', long 79°13', at bridge on Secondary Road 1554, 3 miles west of Semora, Caswell County, and 4-1/4 miles above mouth.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		ROANOKE RIVER BASIN--Continued			
43	2-0772	North Hyco Creek near Leasburg, N.C...	0	9-59 to 8-67	44.0
44	2-0772.3	South Hyco Creek near Hesters Store, N.C.	0	8-65 to 8-67	29.9
45	2-0772.4	Double Creek near Roseville, N.C.....	0	8-65 to 8-67	7.47
46	2-0772.5	South Hyco Creek near Roseville, N.C..	0	7-66 to 8-67	a55
47	2-0772.6	South Hyco Creek near Concord, N.C....	0	1-56 to 9-57	a77
48	2-0772.8	Hyco River at dam near Roxboro, N.C...	0	10-52 to 9-58	189
49	2-0773	Hyco River at McGehees Mill, N.C.....	0	8-65 to 6-68	191
50	2-0776.6	Mayo Creek near Woodsdale, N.C.....	0	11-55 to 7-66	51.8
51	2-0782	Aarons Creek near Oak Hill, N.C.....	0	11-55 to 7-66	27.2
52	2-0791	Little Grassy Creek near Stovall, N.C.	0	1-55 to 7-66	22.9
53	2-0792.1	Island Creek near Bullock, N.C.....	0	7-66 to 9-66	33.1
54	2-0797	Smith Creek near Norlina, N.C.....	0	7-55 to 7-66	a31
55	2-0797.5	Sixpound Creek near Oakville, N.C.....	0	11-55 to 9-59	a12
56	2-0798	Stonehouse Creek near Littleton, N.C..	0	11-55 to 9-58	a16
57	2-0805	Roanoke River at Roanoke Rapids, N.C..	D	10-48 to 9-67	8,410
58	2-0808.7	Gumberry Swamp near Jackson, N.C.....	0	8-57 to 8-61	a20

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B23

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
8,210	0	48	Lat 36°24', long 79°12', at bridge on U.S. Highway 158, 1½ miles above Cobbs Creek and 2½ miles west of Leasburg, Caswell County.
6,530	0	33	Lat 36°21', long 79°08', at bridge on Secondary Road 1102, 1½ miles north of Hesters Store, Person County, and 2½ miles above Mill Creek.
2,640	.1	8.2	Lat 36°21', long 79°06', at bridge on Secondary Road 1166, 1 mile above mouth and 3 miles west of Roseville, Person County.
9,460	0	60	Lat 36°23', long 79°06', at bridge on U.S. Highway 158, 1-1/4 miles below Mill Creek and 4-1/4 miles northwest of Roseville, Person County.
12,000	....	.....	Lat 36°28', long 79°06', at bridge on State Highway 57, 1 mile above mouth and 2 miles northwest of Concord, Person County.
8,620	(*)	210	Lat 36°30'28", long 79°02'48", at spillway, 4½ miles above Ghents Creek, and 8 miles northwest of Roxboro, Person County.
8,730	(*)	210	Lat 36°31'02", long 79°01'42", below bridge on Secondary Road 1322, at McGehees Mill, Person County, and 1.7 miles downstream from dam.
10,700	.1	62	Lat 36°31'48", long 78°52'42", at bridge on Secondary Road 1501, 4 miles below Spoonwater Creek and 5-1/4 miles northeast of Woodsdale, Person County.
7,490	0	33	Lat 36°32'15", long 78°44'28", at bridge on Secondary Road 1400, ¾ mile above Southern Railway and 6½ miles north of Oak Hill, Granville County.
6,240	0	27	Lat 36°28'34", long 78°36'16", at bridge on Secondary Road 1435, 1-1/4 miles above mouth and 2½ miles northwest of Stovall, Granville County.
8,020	0	40	Lat 36°29'42", long 78°30'16", at bridge on Secondary Road 1545, 1.1 miles below Michael Creek and 2.3 miles east of Bullock, Granville County.
6,670	2.0	37	Lat 36°31'30", long 78°14'23", at bridge on Secondary Road 1208, 0.2 mile below Little Deep Creek and 6 miles northwest of Norlina, Warren County.
2,940	....	.....	Lat 36°31'48", long 78°04'22", at bridge on Secondary Road 1334, 1½ miles above mouth and 2½ miles northeast of Oakville, Warren County.
3,120	....	.....	Lat 36°29', long 77°57', at bridge on Secondary Road 1357, 3-1/4 miles above mouth and 4-1/4 miles northwest of Littleton, Warren County.
.....	(*)	9,100	Lat 36°28', long 77°38', 1-1/4 miles below bridge on State Highway 48 at Roanoke Rapids, Halifax County, 2½ miles above Chockoyotte Creek, 133.6 miles upstream from mouth in Albemarle Sound.
3,800	.8	22	Lat 36°21', long 77°28', at bridge on Secondary Road 1126, ¾ mile above mouth and 3½ miles southwest of Jackson, Northampton County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		ROANOKE RIVER BASIN--Continued			
59	2-0810	Roanoke River near Scotland Neck, N.C.	D	10-44 to 9-67	8,700
60	2-0810.8	Ready Branch near Williamston, N.C....	O	10-52 to 8-58	a16
61	2-0810.94	Roanoke River at Jamesville, N.C.....	D	10-54 to 9-67	a9,250
62	2-0811.22	Cashie River at Windsor, N.C.....	M	10-61 to 9-67	179
63	2-0811.3	Roquist Creek near Windsor, N.C.....	O	4-54 to 4-58	a60
		KENDRICKS CREEK BASIN			
64	2-0811.55	Albemarle Sound near Edenton, N.C. <u>b</u> /..	D	10-57 to 9-67	a14,800
		SCUPPERNONG RIVER BASIN			
65	2-0811.66	Scuppernong River near Creswell, N.C. <u>b</u> /	D	10-59 to 9-67	a120
66	2-0811.72	Scuppernong River at Columbia, N.C. <u>b</u> /.	D	10-63 to 9-67	a180
		PAMLICO RIVER BASIN			
67	2-0811.9	Tar River near Berea, N.C.....	O	7-66 to 9-66	26.0
68	2-0812.1	Shelton Creek near Oxford, N.C.....	O	10-52 to 7-66	22.2
69	2-0815	Tar River near Tar River, N.C.....	O	5-55 to 8-67	167
70	2-0816.76	Ruin Creek near Henderson, N.C.....	O	9-61 to 7-66	a7.9
71	2-0817.12	Long Creek near Kittrell, N.C.....	O	9-61 to 7-66	a9.4

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B25

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
.....	(*)	9,400	Lat 36°12', long 77°23', at bridge on U.S. Highway 258, 3 miles below Bridgers Creek and $5\frac{3}{4}$ miles north of Scotland Neck, Halifax County, at Mile 102.5.
2,380	1.3	16	Lat 35°47'20", long 77°03'40", at bridge on U.S. Highway 17, below Dog Branch and $4\frac{1}{2}$ miles south of Williamston, Martin County.
.....	(*)	10,200	Lat 35°49', long 76°54', at boat dock in Jamesville, Martin County, and $1\frac{1}{2}$ miles downstream from Devils Gut.
4,380	(*)	200	Lat 35°59', long 76°57', $\frac{3}{4}$ mile south of Windsor, Bertie County, and $4\frac{3}{4}$ miles upstream from Wading Place Creek.
6,140	0	66	Lat 35°56', long 76°57', 1/4 mile below Mill Swamp, 1 mile below U.S. Highway 17 and 4 miles south of Windsor, Bertie County.
.....	(*)	16,300	Lat 35°59'13", long 76°30'14", at drawbridge on State Highway 32, 5.1 miles east of Norfolk Southern Railway and 7.8 miles southeast of Edenton, Chowan County.
.....	(*)	120	Lat 35°52'39", long 76°20'15", at bridge on Secondary Road 1105 and 3.2 miles northeast of Creswell, Tyrrell County.
4,350	(*)	180	Lat 35°55'02", long 76°15'19", at bridge on U.S. Highway 64, at Columbia, Tyrrell County, and 1.5 miles below Riders Creek.
7,010	0	29	Lat 36°20'02", long 78°46'06", at bridge on U.S. Highway 158, 0.9 mile above Cub Creek and $1\frac{3}{4}$ miles northwest of Berea, Granville County.
6,000	0	24	Lat 36°18'47", long 78°43'16", at culvert on U.S. Highway 158, $1\frac{3}{4}$ miles above mouth and $7\frac{1}{2}$ miles west of Oxford, Granville County.
18,800	(*)	170	Lat 36°11'41", long 78°35'00", above bridge on State Highway 96, 1-1/4 miles above Fishing Creek and $2\frac{1}{2}$ miles east of Tar River, Granville County, at mile 172.
2,720	0	8.7	Lat 36°18', long 78°28', at bridge on U.S. Highway 158-A, 1/4 mile above Red Bud Creek and $3\frac{1}{2}$ miles southeast of Henderson, Vance County.
2,640	.1	10	Lat 36°12', long 78°28', at bridge on Secondary Road 1104, 1 mile above mouth and $1\frac{3}{4}$ miles southwest of Kittrell, Vance County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
72	2-0817.2	PAMLICO RIVER BASIN--Continued Tabbs Creek near Kittrell, N.C.....	0	10-52 to 5-58	a70
73	2-0817.31	Buffalo Creek near Kittrell, N.C.....	0	9-61 to 7-66	a7.4
74	2-0817.37	Lynch Creek near Louisburg, N.C.....	0	4-54 to 7-66	a35
75	2-0818	Cedar Creek near Louisburg, N.C.....	0	4-54 to 8-67	47.8
76	2-0818.8	Crooked Creek near Bunn, N.C.....	0	7-55 to 7-66	a31
77	2-0818.9	Cypress Creek near Bunn, N.C.....	0	4-54 to 7-66	a30
78	2-0820	Tar River near Nashville, N.C.....	M	10-49 to 8-67	701
79	2-0825	Sapony Creek near Nashville, N.C.....	0	2-55 to 8-67	64.8
80	2-0825.26	Tar River at Rocky Mount, N.C.....	0	8-65 to 6-68	a800
81	2-0826.58	Sandy Creek tributary No. 4 near Henderson, N.C.	0	9-61 to 7-66	a1.1
82	2-0826.78	Weaver Creek near Henderson, N.C.....	0	9-61 to 7-66	a6.9
83	2-0827.1	Sandy Creek near Alert, N.C.....	0	7-55 to 7-66	a54
84	2-0827.7	Swift Creek at Hilliardston, N.C.....	0	9-63 to 8-67	163
85	2-0827.9	Swift Creek near Red Oak, N.C.....	0	10-52 to 9-61	a180
86	2-0828.27	Fishing Creek near Ridgeway, N.C.....	0	7-66 to 7-66	a20
87	2-0828.35	Fishing Creek near Warrenton, N.C.....	0	10-52 to 7-66	a45

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B27

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
11,100	(*)	77	Lat 36°11', long 78°27', at bridge on Secondary Road 1100, 1-1/4 miles above mouth and 2 $\frac{3}{4}$ miles south of Kittrell, Vance County.
2,360	.2	8.2	Lat 36°11', long 78°25', at bridge on Secondary Road 1557, $\frac{1}{2}$ mile above mouth and 3-1/4 miles south of Kittrell, Vance County.
6,190	1.7	38	Lat 36°09', long 78°20', below Tooles Creek, $\frac{3}{4}$ mile above mouth and 4 miles northwest of Louisburg, Franklin County.
8,690	4.5	51	Lat 36°03', long 78°20'. Water-stage recorder at bridge on U.S. Highway 401, $\frac{3}{4}$ mile below Camping Creek and 3 $\frac{1}{4}$ miles southwest of Louisburg, Franklin County.
7,820	2.9	31	Lat 35°56', long 78°15', at bridge on State Highway 39, $\frac{1}{2}$ mile above Norris Creek and 2 $\frac{1}{2}$ miles south of Bunn, Franklin County.
7,150	.6	30	Lat 35°56'40", long 78°11'20", at bridge on Secondary Road 1612, 1/4 mile above mouth and 4 miles southeast of Bunn, Franklin County.
25,200	(*)	790	Lat 35°51'00", long 77°55'50", at bridge on State Highway 58, 5 miles above Sapony Creek, 10 miles south of Nashville, Nash County, and 103.6 miles above Pamlico River at Washington.
6,480	.1	78	Lat 35°53'10", long 77°54'40", at bridge on Secondary Road 1603, 1 mile above mouth and 6 $\frac{1}{2}$ miles southeast of Nashville, Nash County.
28,300	(*)	900	Lat 35°57'10", long 77°49'20", at bridge on U.S. Highway 64, $\frac{3}{4}$ mile above Stony Creek and 1 $\frac{3}{4}$ miles west of Rocky Mount, Nash County.
653	0	1.3	Lat 36°17', long 78°21', at bridge on Secondary Road 1541, 1 mile above mouth and 4 $\frac{1}{2}$ miles southeast of Henderson, Vance County.
2,420	0	8.3	Lat 36°19', long 78°19', at bridge on Secondary Road 1533, 2-1/4 miles above mouth and 4 $\frac{3}{4}$ miles east of Henderson, Vance County.
7,630	3.3	59	Lat 36°13', long 78°14', at bridge on Secondary Road 1412, 1-1/4 miles above Devils Cradle Creek and 1 $\frac{1}{2}$ miles south of Alert, Franklin County.
7,690	(*)	180	Lat 36°06'42", long 77°55'16", at bridge on Secondary Road 1310, 0.7 mile northeast of Hilliardston, Nash County, and 2.8 miles below Gideon Swamp.
8,350	(*)	200	Lat 36°04'27", long 77°52'11", at bridge on Secondary Road 1003, 1.1 miles above Flat Rock Branch, and 3.2 miles northeast of Red Oak, Nash County.
5,180	1.2	22	Lat 36°24', long 78°14', at bridge on Secondary Road 1112, $\frac{3}{4}$ mile below Matthews Creek and 2 $\frac{1}{2}$ miles south of Ridgeway, Warren County.
8,210	2.7	50	Lat 36°23', long 78°11', at bridge on Secondary Road 1001, $\frac{1}{2}$ mile below Phoebes Creek and 2 miles southwest of Warrenton, Warren County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PAMLICO RIVER BASIN--Continued			
88	2-0828.66	Fishing Creek near Parktown, N.C.....	0	9-61 to 7-66	a74
89	2-0829.1	Shocco Creek near Elberon, N.C.....	0	7-55 to 7-66	a18
90	2-0829.14	Shocco Creek near Centerville, N.C....	0	8-54 to 7-66	a56
91	2-0829.5	Little Fishing Creek near White Oak, N.C.	0	3-60 to 8-67	175
92	2-0830	Fishing Creek near Enfield, N.C.....	D	10-48 to 8-67	a520
93	2-0835	Tar River at Tarboro, N.C.....	D	10-44 to 6-68	a2,140
94	2-0836.4	Town Creek near Pinetops, N.C.....	0	10-52 to 7-59	a190
95	2-0838	Conetoe Creek near Bethel, N.C.....	0	3-57 to 8-67	78.1
96	2-0840	Tar River at Greenville, N.C.....	M	10-48 to 8-67	a2,620
97	2-0841.24	Tar River near Pactolus, N.C.....	D	10-56 to 9-60	a2,680
98	2-0841.71	Tar River at Grimesland, N.C. <u>b</u> /.....	D	10-54 to 9-67	a2,740
99	2-0842.14	Grindle Creek at Pactolus, N.C.....	0	10-52 to 9-58	a72
100	2-0843.92	Tranters Creek near Washington, N.C. <u>b</u> /	D	10-60 to 6-68	a240
101	2-0844.72	Pamlico River at Washington, N.C. <u>b</u> /...	D	10-61 to 9-67	a3,080
102	2-0845	Herring Run near Washington, N.C.....	0	2-55 to 8-67	a15

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B29

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
10,800	4.5	83	Lat 36°20', long 78°08', at bridge on Secondary Road 1609, ½ mile below Possumquarter Creek and 2 miles north of Parktown, Warren County.
4,370	1.5	21	Lat 36°18', long 78°13', at bridge on Secondary Road 1614, 1½ miles above Buffalo Branch and 1½ miles south of Elberon, Warren County.
8,450	2.2	61	Lat 36°12', long 78°06', at bridge on State Highway 58, 1½ miles north of Centerville, Franklin County, and 5¼ miles above Fishing Creek.
8,110	3.2	180	Lat 36°11'08", long 77°52'34", at bridge on Secondary Road 1338, 1.1 miles west of White Oak, Halifax County, and 4.3 miles above mouth, 1.8 miles above Powells Creek.
20,000	23	510	Lat 36°09'03", long 77°41'35", at bridge on U.S. Highway 301, 2,000 ft below Atlantic Coast Line Railroad bridge, and 2.6 miles southwest of Enfield, Halifax County.
62,100	92	2,400	Lat 35°53'40", long 77°32'00", at bridge on U.S. Highway 64 at Tarboro, Edgecombe County, 6½ miles below Fishing Creek and 49.2 miles above Pamlico River at Washington.
8,970	.8	190	Lat 35°48'00", long 77°35'20", at bridge on U.S. Highway 258, 1/4 mile below Bynums Mill Creek and 2¼ miles east of Pinetops, Edgecombe County.
5,140	2.5	77	Lat 35°46'30", long 77°27'40", at bridge on Secondary Road 1409, 5½ miles below Crisp Creek, 5½ miles southwest of Bethel, Pitt County.
42,400	100	2,800	Lat 35°37'00", long 77°22'30", at bridge on Secondary Road 1531, at Greenville, Pitt County, and 1 mile below Schoolhouse Branch.
44,800	110	2,950	Lat 35°36'30", long 77°13'20", at Yankee Hall, 1.4 miles south of Pactolus, Pitt County, and 3-1/4 miles above Chicod Creek.
44,800	100	3,000	Lat 35°34'40", long 77°10'50", at bridge on Secondary Road 1565, below Chicod Creek, and 1.1 miles northeast of Grimesland, Pitt County.
5,760	1.4	72	Lat 35°37'30", long 77°13'20", at bridge on State Highway 30, at Pactolus, Pitt County, and 2 miles below Hunting Run.
5,760	(*)	240	Lat 35°33'46", long 77°05'13", at bridge, 0.9 mile above mouth and 2½ miles northwest of Washington, Beaufort County.
.....	(*)	3,200	Lat 35°32'33", long 77°03'43", at bridge on U.S. Highway 17 at Washington, Beaufort County, and 0.7 mile below Kennedy Creek.
2,340	.8	12	Lat 35°34'03", long 77°01'09", at bridge 1-1/4 miles above mouth, 2¼ miles northeast of Washington, Beaufort County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
103	2-0845.4	PAMLICO RIVER BASIN--Continued Durham Creek at Edward, N.C.....	0	2-54 to 8-67	a21
104	2-0848.12	NEUSE RIVER BASIN Eno River tributary near Cedar Grove, N.C.	0	9-58 to 9-66	a11
105	2-0848.9	Eno River near Carr, N.C.....	0	9-66 to 9-66	a27
106	2-0850	Eno River at Hillsborough, N.C.....	0	5-55 to 9-67	66.5
107	2-0850.7	Eno River near Durham, N.C.....	0	10-62 to 9-67	141
108	2-0852.2	Little River near Orange Factory, N.C.	M	7-54 to 9-67	81.6
109	2-0853.48	South Flat River near Timberlake, N.C.	0	9-58 to 7-66	a51
110	2-0853.69	North Flat River near Allens Level, N.C.	0	9-58 to 7-66	a13
111	2-0853.9	North Flat River at Timberlake, N.C...	0	7-66 to 9-66	a32
112	2-0855	Flat River at Bahama, N.C.....	0	2-54 to 9-67	150
113	2-0860	Dial Creek near Bahama, N.C.....	0	5-55 to 9-67	4.71
114	2-0865	Flat River at Dam, near Bahama, N.C...	M	8-55 to 3-66	171
115	2-0865.7	Knap of Reeds Creek near Butner, N.C..	0	10-62 to 7-66	29.3
116	2-0870	Neuse River near Northside, N.C.....	M	2-54 to 9-67	526
117	2-0870.6	Beaverdam Creek near Creedmoor, N.C...	0	5-57 to 9-58	44.0
118	2-0870.8	New Light Creek near Purnell, N.C.....	0	9-54 to 9-58	19.2

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B31

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
2,660	0	27	Lat 35°19'25", long 76°52'26", at bridge on Secondary Road 1949, at Edward, Beaufort County, and 6½ miles above mouth.
3,720	.1	11	Lat 36°08', long 79°10', at bridge on Secondary Road 1332, 1 mile above mouth and 2 miles south-east of Cedar Grove, Orange County.
6,530	.4	27	Lat 36°07', long 79°09', at bridge on Secondary Road 1336, 2-1/4 miles above McGowan Creek and 7 miles southeast of Carr, Orange County.
13,900	1.5	73	Lat 36°04', long 79°06', 1,000 ft below bridge on State Highway 86 at Hillsborough, Orange County, 2 miles below Sevenmile Creek.
22,800	2.5	141	Lat 36°04'20", long 78°54'30", at bridge on U.S. Highway 501, 0.2 mile below Crooked Creek and 5 miles north of Durham, Durham County.
13,200	.2	82	Lat 36°08'20", long 78°54'24", at bridge on U.S. Highway 501, 1 mile above Mountain Creek and 1½ miles northwest of Orange Factory, Durham County.
9,980	.5	51	Lat 36°15'25", long 78°57'48", at bridge on Secondary Road 1125, 2.0 miles southwest of Timberlake, Person County, and 2.7 miles above mouth.
3,900	.1	14	Lat 36°19'20", long 78°59'30", 2.0 miles above U.S. Highway 501, 1.6 miles east of Allens Level, Person County, and 5.6 miles above Chappels Creek.
7,440	.3	36	Lat 36°17'24", long 78°56'43", at bridge on Secondary Road 1715, 0.1 mile below Chappels Creek, and ½ mile northeast of Timberlake, Person County.
22,100	1.4	160	Lat 36°10'57", long 78°52'44", ½ mile above Lake Michie, 1-1/4 miles north of Bahama, Durham County.
1,940	0	4.7	Lat 36°10'36", long 78°51'24", 0.4 mile above Lake Michie, 1½ miles northeast of Bahama, Durham County.
19,300	(*)	180	Lat 36°08'55", long 78°49'43", 900 ft below Durham municipal dam, 3 miles southeast of Bahama, Durham County, 5 miles above mouth.
6,530	.1	29	Lat 36°09'27", long 78°46'27", at bridge on Secondary Road 1121, 0.6 mile above Picture Creek and 2 miles northwest of Butner, Granville County.
42,400	(*)	550	Lat 36°02'54", long 78°44'59", at Fish Dam bridge, on Secondary Road 1801, 1½ miles below Rocky Creek and 2½ miles south of Northside, Granville County.
8,110	0	44	Lat 36°03'19", long 78°40'38", at bridge on Secondary Road 1900, in Wake County, 2½ miles above mouth and 4½ miles south of Creekmoor.
4,940	1.9	19	Lat 36°00'48", long 78°37'43", at bridge on Secondary Road 1909, 1.5 miles above mouth and 4.2 miles west of Purnell, Wake County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		NEUSE RIVER BASIN--Continued			
119	2-0871.2	Upper Barton Creek near Bayleaf, N.C..	0	7-54 to 9-58	12.4
120	2-0871.6	Lower Barton Creek near Bayleaf, N.C..	0	10-52 to 9-58	13.2
121	2-0871.75	Horse Creek near Wake Forest, N.C.....	0	10-52 to 9-58	20.8
122	2-0871.82	Neuse River at Falls, N.C.....	D	10-53 to 9-67	770
123	2-0871.9	Neuse River near Neuse, N.C.....	0	8-65 to 2-66	790
124	2-0872.2	Peoples Creek near Wake Crossroads, N.C.	0	9-54 to 9-58	a9.9
125	2-0872.24	Neuse River at Buffalo Road near Raleigh, N.C.	D	1-58 to 9-60	a860
126	2-0872.29	Neuse River near Raleigh, N.C.....	D	10-56 to 9-57	876
127	2-0872.75	Crabtree Creek near Raleigh, N.C.....	0	10-52 to 9-58	97.5
128	2-0872.9	Mine Creek near Millbrook, N.C.....	0	10-52 to 9-58	8.77
129	2-0873.2	Big Branch near Millbrook, N.C.....	0	10-52 to 9-58	3.78
130	2-0873.7	Big Branch near Garner, N.C.....	0	1-56 to 8-58	a12
131	2-0874.1	Poplar Creek near Knightdale, N.C.....	0	1-56 to 9-58	a8.7
132	2-0875	Neuse River near Clayton, N.C.....	D	10-43 to 9-67	a1,140
133	2-0875.3	Neuse River near Selma, N.C.....	D	10-55 to 9-58	a1,180
134	2-0875.7	Neuse River at Smithfield, N.C.....	D	10-54 to 9-65	a1,200

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B33

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
3,690	0.6	12	Lat 35°58'21", long 78°39'18", at bridge on Secondary Road 1005, 1.5 miles above mouth and 2 miles northwest of Bayleaf, Wake County.
3,830	1.9	13	Lat 35°58'01", long 78°38'07", at bridge on Secondary Road 1847, 0.4 mile above mouth and 1.7 miles north of Bayleaf, Wake County.
5,140	4.5	21	Lat 35°58'08", long 78°35'29", at bridge on State Highway 98, 1 mile above mouth and 4½ miles west of Wake Forest, Wake County.
55,200	(*)	800	Lat 35°56'27", long 78°34'57", above bridge on Secondary Road 2000, at Falls, Wake County, and below Honeycutt Creek.
55,900	(*)	820	Lat 35°54'32", long 78°33'18", at bridge on U.S. Highway 1, 1 mile above Smith Creek and 1-1/4 miles northeast of Neuse, Wake County.
5,040	1.7	9.9	Lat 35°51'52", long 78°30'53", at bridge on Secondary Road 2409, 3/4 mile above Hodges Mill Creek and 1-1/4 miles south of Wake Crossroads, Wake County.
59,300	(*)	940	Lat 35°50'55", long 78°31'50", at bridge on Secondary Road 2215, 0.5 mile below Hodges Mill Creek, and 3.4 miles north of Milburnie, Wake County.
59,700	(*)	960	Lat 35°47'35", long 78°32'21", at bridge on U.S. Highway 64, 2.0 miles above Crabtree Creek, and 5.7 miles east of State Capital Building in Raleigh, Wake County.
19,800	(*)	96	Lat 35°50'15", long 78°40'26", at bridge on U.S. Highway 70, 1½ miles above Mine Creek and 4½ miles northwest of Raleigh, Wake County.
3,530	1.5	9.2	Lat 35°51'19", long 78°39'43", at bridge on Secondary Road 1816, 1-1/4 miles above mouth and 3-1/4 miles west of Millbrook, Wake County.
2,420	.6	3.8	Lat 35°49'17", long 78°37'46", at culvert on Secondary Road 1005, 1/4 mile above mouth and 2¾ miles southwest of Millbrook, Wake County.
6,240	1.1	13	Lat 35°44', long 78°34', at bridge on Secondary Road 2542, 1 mile above mouth and 3 miles northeast of Garner, Wake County.
5,230	1.7	9.5	Lat 35°44', long 78°29', at bridge on Secondary Road 2049, ½ mile above mouth and 4 miles south of Knightdale, Wake County.
37,300	(*)	1,260	Lat 35°38'50", long 78°24'21", at bridge on State Highway 42, 2.3 miles above Mill Creek, and 3 miles east of Clayton, Johnston County.
37,600	(*)	1,290	Lat 35°33'26", long 78°19'32", at bridge on Secondary Road 1900, 2.6 miles above Poplar Branch, and 2.8 miles northwest of Selma, Johnston County.
38,300	(*)	1,320	Lat 35°30'46", long 78°21'00", at bridge on U.S. Highway 70, at Smithfield, Johnston County, and 2.1 miles above Swift Creek.

Table 2.--Description of stations at which more than

No. on Pl.1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		NEUSE RIVER BASIN--Continued			
135	2-0880	Middle Creek near Clayton, N.C.....	0	2-55 to 4-67	80.7
136	2-0880.3	Middle Creek near Smithfield, N.C.....	0	10-52 to 9-58	a120
137	2-0880.9	Black Creek near Four Oaks, N.C.....	0	10-52 to 9-58	a79
138	2-0883.1	Buck Swamp near Dudley, N.C.....	0	10-52 to 9-58	a17
139	2-0883.64	Neuse River near Rosewood, N.C.....	M	10-58 to 8-63	a2,040
140	2-0884.7	Little River near Kenly, N.C.....	0	2-65 to 8-67	a190
141	2-0885	Little River near Princeton, N.C.....	D	10-50 to 9-67	a230
142	2-0888.21	Neuse River at Goldsboro, N.C.....	D	10-58 to 9-67	2,370
143	2-0890	Neuse River near Goldsboro, N.C.....	D	10-48 to 2-65	2,390
144	2-0890.34	Stony Creek near Goldsboro, N.C.....	0	10-52 to 9-58	25.4
145	2-0891.16	Neuse River near Whitehall, N.C.....	M	10-58 to 9-60	a2,460
146	2-0891.2	Walnut Creek near Best, N.C.....	0	9-55 to 9-58	9.71
147	2-0891.92	Neuse River at Whitehall, N.C.....	M	10-58 to 9-64	a2,490
148	2-0892.4	Bear Creek near La Grange, N.C.....	0	9-55 to 8-58	49.2
149	2-0895	Neuse River at Kinston, N.C.....	D	10-49 to 9-67	a2,690
150	2-0895.8	Deep Run at Deep Run, N.C.....	0	10-52 to 8-57	5.89

See footnotes at end of table.

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
13,100	1.6	98	Lat 35°34'10", long 78°35'30", below bridge on State Highway 50, 0.5 mile above Buffalo Branch, and 9.5 miles southwest of Clayton, Johnston County.
10,900	2.0	140	Lat 35°31'20", long 78°28'02", at bridge on State Highway 210, 2.3 miles above mouth, and 3.0 miles west of Smithfield, Johnston County.
7,340	0	87	Lat 35°28'10", long 78°27'20", at bridge on Secondary Road 1162, 2-1/4 miles northwest of Four Oaks, Johnston County, and 5 miles above mouth.
1,400	.1	17	Lat 35°16', long 78°05", at bridge on Secondary Road 1120, 1½ miles above mouth and 2½ miles west of Dudley, Wayne County.
58,600	140	2,240	Lat 35°22', long 78°05', at bridge on Secondary Road 1008, 4 miles south of Rosewood, Wayne County, and 7 miles above Little River.
8,620	5.6	210	Lat 35°35'20", long 78°11'10", at bridge on Secondary Road 1934, 0.7 mile below Buffalo Creek, and 3.7 miles west of Kenly, Johnston County.
10,300	7.1	250	Lat 35°30'40", long 78°09'30", below bridge on Secondary Road 2320, ¾ mile above Little Creek, and 3 miles north of Princeton, Johnston County.
49,700	140	2,510	Lat 35°21', long 78°02', at bridge on State Highway 117, ½ mile above Atlantic Coast Line Railroad, 1¼ miles above gaging station and 3 miles southwest of Goldsboro, Wayne County.
49,700	150	2,530	Lat 35°20'15", long 77°59'50", at bridge on Secondary Road 1915, 1/4 mile above Stony Creek, and 3 miles south of Goldsboro, Wayne County.
.....	.3	28	Lat 35°20'54", long 77°58'49", at bridge on Secondary Road 1920, 1½ miles above mouth and 2½ miles southeast of Goldsboro, Wayne County.
51,100	160	2,700	Lat 35°15'40", long 77°54'40", at bridge on State Highway 111, 1½ miles below Sleepy Creek and 4-1/4 miles northwest of Whitehall, Wayne County.
970	.7	9.7	Lat 35°18'57", long 77°53'01", at bridge on Secondary Road 1728, 2.7 miles southwest of Best, Wayne County, and 4½ miles above mouth.
51,800	170	2,740	Lat 35°13'45", long 77°50'47", at bridge on Secondary Road 1731, at Whitehall, Wayne County, and 2 miles below Mill Creek.
3,140	7.3	49	Lat 35°18'51", long 77°48'56", at bridge on U.S. Highway 70, 1½ miles northwest of La Grange, Lenoir County, and 6½ miles above mouth.
52,800	210	2,930	Lat 35°15'30", long 77°35'10", 600 ft below State Highway 11 at Kinston, Lenoir County, 3 miles above Yadkin Branch, and 90 miles above mouth.
926	.6	5.9	Lat 35°08'27", long 77°41'35", at bridge on Secondary Road 1141, 0.6 mile above mouth and 0.7 mile east of Deep Run, Lenoir County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		NEUSE RIVER BASIN--Continued			
151	2-0896.2	Southwest Creek near Woodington, N.C..	0	11-55 to 4-58	37.7
152	2-0900.21	Moccasin Creek near Pilot, N.C.....	0	9-58 to 7-66	a14
153	2-0900.75	Moccasin Creek near Middlesex, N.C....	0	10-52 to 9-58	a42
154	2-0903.8	Contentnea Creek near Lucama, N.C.....	0	2-65 to 8-67	a160
155	2-0903.9	Contentnea Creek near Kenly, N.C.....	0	10-57 to 6-58	a170
156	2-0905	Contentnea Creek near Wilson, N.C.....	M	10-55 to 9-56	236
157	2-0905.8	Black Creek near Black Creek, N.C.....	0	5-57 to 9-58	a31
158	2-0907.2	Toisnot Swamp near New Hope, N.C.....	0	9-57 to 9-58	a30
159	2-0908.2	Toisnot Swamp near Stantonsburg, N.C..	0	8-57 to 9-58	a120
160	2-0910	Nahunta Swamp near Shine, N.C.....	0	2-55 to 9-67	77.6
161	2-0910.4	Nahunta Swamp near Snow Hill, N.C.....	0	10-52 to 8-57	a97
162	2-0915	Contentnea Creek at Hookerton, N.C....	D	10-49 to 8-67	729
163	2-0916.49	Little Contentnea Creek tributary No. 2 near Farmville, N.C.	0	8-57 to 3-58	a0.4
164	2-0917	Little Contentnea Creek near Farm- ville, N.C.	0	2-56 to 8-67	93.3
165	2-0918.14	Neuse River near Fort Barnwell, N.C...	D	10-54 to 9-60	a3,900
166	2-0918.2	Core Creek near Fort Barnwell, N.C....	M	10-52 to 9-61	a59

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B37

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
3,700	0	35	Lat 35°11'25", long 77°37'20", at bridge on U.S. Highway 258, 1-1/4 miles northeast of Woodington, Lenoir County, and 1-1/4 miles above Spring Branch.
5,760	.1	14	Lat 35°52', long 78°17', at bridge on State Highway 64, 1/4 mile below unnamed tributary and 1½ miles southwest of Pilot, Franklin County.
12,800	.3	46	Lat 35°46'40", long 78°15'00", at bridge on Secondary Road 1723, below dam at Taylors Mill, 1 mile below Little Creek and 2½ miles west of Middlesex, Nash County.
7,450	2.3	160	Lat 35°41', long 78°06', at bridge on State Highway 581, 1 mile above Buckhorn Branch and 6½ miles northwest of Lucama, Wilson County.
7,800	2.5	170	Lat 35°41'10", long 78°05'40", at bridge on Secondary Road 1144, in Wilson County, 0.1 mile below Buckhorn Branch and 6.8 miles north of Kenly.
10,600	(*)	240	Lat 35°41'10", long 77°56'50", at bridge on U.S. Highway 301, below municipal dam and 3 miles southwest of Wilson, Wilson County.
4,610	0	31	Lat 35°38'20", long 77°58'10", at bridge on Secondary Road 1644, 2.3 miles west of Black Creek, Wilson County, and 2.5 miles above Great Swamp.
4,460	3.1	33	Lat 35°49'20", long 77°59'50", at bridge on Secondary Road 1001, 0.1 mile below Little Swamp and 3 miles northwest of New Hope, Nash County.
9,840	1.7	120	Lat 35°35'50", long 77°47'40", at bridge on Secondary Road 1539, below Goss Swamp and 1¼ miles east of Stantonsburg, Wilson County.
5,140	2.9	84	Lat 35°29'20", long 77°48'22", at bridge 2 miles above Appletree Swamp, 3½ miles north of Shine, Greene County.
5,860	3.5	110	Lat 35°30'30", long 77°44'20", at bridge on State Highway 58, ¾ mile above mouth and 5¼ miles northwest of Snow Hill, Greene County.
14,300	31	760	Lat 35°25'40", long 77°35'10", 0.3 mile above bridge on State Highway 123 at Hookerton, Greene County, and 2.5 miles above Wheat Swamp Creek.
.....	0	0.4	Lat 35°35'50", long 77°35'00", 1/4 mile northeast of Farmville, Pitt County, and 0.7 mile above mouth.
6,720	.3	97	Lat 35°32'40", long 77°30'40", at bridge on U.S. Highway 264, 1½ miles above Middle Swamp, 5½ miles southeast of Farmville, Pitt County.
.....	220	3,900	Lat 35°18'40", long 77°18'20", at bridge on Secondary Road 1470, 1½ miles above Core Creek, and 2 miles east of Fort Barnwell, Craven County.
7,870	.8	59	Lat 35°15'10", long 77°17'10", at bridge on State Highway 55, 3 miles southeast of Fort Barnwell, Craven County, and 7 miles above mouth.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		NEUSE RIVER BASIN--Continued			
167	2-0918.31	Neuse River at Cowen Landing near Vanceboro, N.C. <u>c</u> /	D	10-54 to 9-67	a4,030
168	2-0918.36	Neuse River at Streets Ferry near Vanceboro, N.C. <u>b</u> /	D	10-54 to 9-67	a4,040
169	2-0920	Swift Creek near Vanceboro, N.C.....	D	10-50 to 8-67	182
170	2-0920.2	Palmetto Swamp near Vanceboro, N.C....	0	8-58 to 6-60	a24
171	2-0920.28	Swift Creek at Vanceboro, N.C.....	D	1-55 to 9-56	a230
172	2-0921.20	Bachelor Creek near New Bern, N.C. <u>b</u> /..	0	8-54 to 8-57	a34
173	2-0921.24	Bachelor Creek near Streets Ferry, N.C. <u>c</u> /	M	10-57 to 9-62	a55
174	2-0921.62	Neuse River at New Bern, N.C. <u>b</u> /.....	D	8-54 to 9-67	a4,470
175	2-0925	Trent River near Trenton, N.C.....	D	10-51 to 8-67	168
176	2-0925.54	Trent River at Pollocksville, N.C. <u>c</u> /..	D	1-55 to 9-67	a370
177	2-0925.56	Trent River below Mill Creek near Pollocksville, N.C.	D	12-58 to 9-59	a400
178	2-0925.57	Trent River near Rhems, N.C. <u>b</u> /.....	D	10-56 to 9-61	a420
179	2-0925.58	Trent River near New Bern, N.C. <u>b</u> /.....	D	10-58 to 9-61	430
180	2-0925.9	Upper Broad Creek near Olympia, N.C....	0	2-54 to 8-58	a21
		WHITE OAK RIVER BASIN			
181	2-0927.2	White Oak River at Belgrade, N.C.....	0	10-52 to 8-58	a53

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B 39

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
.....	250	4,300	Lat 35°14'20", long 77°10'00", at Cowen Landing, $\frac{3}{4}$ mile above Dolly Gut and 6 miles south of Vanceboro, Craven County.
.....	250	4,300	Lat 35°12'20", long 77°07'40", at Streets Ferry, 1.4 miles above The Gut, and 7 miles south of Vanceboro, Craven County.
4,380	1.6	200	Lat 35°20'40", long 77°11'40", at bridge on Secondary Road 1478, 2½ miles below Clayroot Swamp, and 3½ miles northwest of Vanceboro, Craven County.
3,740	0	24	Lat 35°20'20", long 77°10'20", at bridge on State Highway 43, 1.3 miles above mouth and 2.5 miles northwest of Vanceboro, Craven County.
5,350	2.0	250	Lat 35°18'00", long 77°08'50", at bridge 1/4 mile below Mauls Swamp, $\frac{3}{4}$ mile southeast of Vanceboro, Craven County.
5,140	.2	34	Lat 35°09'00", long 77°10'20", at bridge on U.S. Highway 70, 2.1 miles below Rollover Creek and 6.7 miles northwest of New Bern, Craven County.
7,100	.3	61	Lat 35°10'40", long 77°08'00", at bridge, 1.6 miles above The Gut, and 2-1/4 miles south of Streets Ferry, Craven County.
.....	(*)	4,500	Lat 35°06'42", long 77°01'37", at bridge on U.S. Highway 17 at New Bern, Craven County, and 0.9 mile above Trent River.
4,070	2.5	200	Lat 35°03'50", long 77°27'20", at Free Bridge on Secondary Road 1129, 800 ft below Little Chinquapin Branch, and 6 miles west of Trenton, Jones County.
8,210	5.7	430	Lat 35°00'35", long 77°13'10", at bridge on U.S. Highway 17, and 1/4 mile northeast of Pollocks-ville, Jones County.
8,620	6.0	460	Lat 35°01'50", long 77°11'25", 2½ miles northeast of Pollocks-ville, Jones County, and 2½ miles below Mill Creek.
9,320	6.3	490	Lat 35°03'40", long 77°08'40", at Rhems, Craven County, and 0.5 mile below Island Creek.
9,350	(*)	500	Lat 35°04'40", long 77°07'25", 0.2 mile above Hayward Creek and 5.0 miles southwest of New Bern, Craven County.
2,660	0	23	Lat 35°11', long 76°58', at bridge on Secondary Road 1128, 3 miles north of Olympia, Pamlico County, and 8.7 miles above mouth.
4,990	1.0	53	Lat 34°53'30", long 77°14'00", at bridge on U.S. Highway 17, 0.8 mile north of Belgrade, Onslow County, and 1.1 miles above Mirey Branch.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
182	2-0927.42	WHITE OAK RIVER BASIN--Continued Hunters Creek near Kuhns, N.C.....	0	2-56 to 9-56	77.2
183	2-0928.9	NEW RIVER BASIN New River tributary near Gum Branch, N.C.	0	8-57 to 8-61	5.78
184	2-0930	New River near Gum Branch, N.C.....	M	10-49 to 9-67	74.5
185	2-0930.32	New River at Jacksonville, N.C. <u>b</u> /.....	D	10-60 to 9-61	a160
186	2-0930.7	Southwest Creek near Jacksonville, N.C.	0	1-56 to 8-58	a27
187	2-0931.7	Northeast Creek near Kellum, N.C.....	0	9-56 to 7-58	a28
188	2-0932.48	CAPE FEAR RIVER BASIN Haw River near Oak Ridge, N.C.....	0	9-62 to 9-66	a7.9
189	2-0932.6	Haw River at U.S. Highway 220 near Summerfield, N.C.	0	9-66 to 9-66	a20
190	2-0932.9	Haw River near Summerfield, N.C.....	0	9-54 to 12-58	a26
191	2-0932.97	Mears Fork near Summerfield, N.C.....	0	9-62 to 9-66	a4.9
192	2-0933.04	Haw River near Midway, N.C.....	0	9-62 to 9-66	a48
193	2-0933.36	Troublesome Creek near Monroeton, N.C.	0	9-62 to 9-66	a44
194	2-0933.6	Troublesome Creek near Reidsville, N.C.	0	9-53 to 7-60	a55
195	2-0935	Haw River near Benaja, N.C.....	D	10-52 to 9-67	168

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B41

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
4,270	2.5	77	Lat 34°47'40", long 77°07'40", at bridge 0.5 mile north of Kuhns, Carteret County, 3.4 miles above mouth.
2,230	1.1	8.4	Lat 34°51'20", long 77°32'30", at culvert on U.S. Highway 258, 0.6 mile above mouth and 2.7 miles west of Gum Branch, Onslow County.
11,800	3.6	110	Lat 34°51'00", long 77°31'00", ½ mile below Jenkins Swamp, and 1¼ miles southwest of Gum Branch, Onslow County.
12,200	7.2	230	Lat 34°45'20", long 77°26'00", at bridge on U.S. Highway 17 at Jacksonville, Onslow County, and 0.3 mile below Deep Gully Creek.
6,340	.5	27	Lat 34°44'00", long 77°32'00", at bridge on State Highway 53, 0.5 mile above Harris Creek and 4.5 miles southwest of Jacksonville, Onslow County.
3,310	1.3	28	Lat 34°46'20", long 77°21'40", at bridge on Secondary Road 1406, 1.6 miles below Wolf Swamp and 2.1 miles south of Kellum, Onslow County.
2,720	1.3	9.9	Lat 36°12', long 79°59', at bridge on State Highway 68, 1.6 miles north of Oak Ridge, Guilford County, and 1.8 miles above Rocky Branch.
4,990	1.7	25	Lat 36°14', long 79°55', at bridge on U.S. Highway 220, 2-1/4 miles north of Summerfield, Guilford County, and 2½ miles below Rocky Branch.
5,860	2.2	32	Lat 36°14'32", long 79°52'20", at bridge on Secondary Road 2303, 3½ miles northeast of Summerfield, Guilford County, and 6 miles above Mears Fork Creek.
1,830	0	5.8	Lat 36°12'55", long 79°50'41", at bridge on Secondary Road 2303, 3½ miles northeast of Summerfield, Guilford County, and 4.4 miles above mouth.
8,110	3.6	58	Lat 36°14'54", long 79°46'58", at bridge on Secondary Road 1001, in Guilford County, 0.1 mile below Mears Fork and 1¼ miles southeast of Midway.
7,010	3.1	53	Lat 36°18', long 79°43', at bridge on U.S. Highway 158, 1½ miles northeast of Monroeton, Rockingham County, and 5-1/4 miles above mouth.
7,440	(*)	66	Lat 36°16', long 79°39', at bridge on U.S. Highway 29, 1-1/4 miles above mouth and 5½ miles south of Reidsville, Rockingham County.
8,000	14	190	Lat 36°15', long 79°34', 500 ft above bridge on Secondary Road 2620, 6 miles below Troublesome Creek and 6 miles east of Benaja, Rockingham County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		CAPE FEAR RIVER BASIN--Continued			
196	2-0935.49	Haw River at Altamahaw, N.C.....	M	10-61 to 9-67	188
197	2-0938	Reedy Fork near Oak Ridge, N.C.....	O	1-56 to 7-67	19.9
198	2-0940	Horsepen Creek at Battle Ground, N.C..	O	3-55 to 9-59	15.9
199	2-0945	Reedy Fork near Gibsonville, N.C.....	D	10-51 to 9-67	133
200	2-0949.8	South Buffalo Creek at Willow Road at Greensboro, N.C.	O	9-66 to 9-66	29.6
201	2-0950	South Buffalo Creek near Greensboro, N.C.	M	3-55 to 9-58	33.6
202	2-0955	North Buffalo Creek near Greensboro, N.C.	M	8-54 to 9-67	37.0
203	2-0956.81	Reedy Fork at Ossipee, N.C.....	M	10-63 to 9-64	254
204	2-0959.78	Stony Creek near Stony Creek, N.C.....	O	9-62 to 7-66	a21
205	2-0960	Stony Creek near Burlington, N.C.....	M	3-55 to 7-60	44.2
206	2-0964.73	Service Creek near Hopedale, N.C.....	O	9-62 to 9-66	a7.6
207	2-0965	Haw River at Haw River, N.C.....	M	3-55 to 9-67	599
208	2-0965.22	Stagg Creek near Pleasant Grove, N.C..	O	7-60 to 9-62	a15
209	2-0965.27	Back Creek near Mebane, N.C.....	O	9-62 to 9-66	a47
210	2-0965.36	Quaker Creek near Mebane, N.C.....	O	7-60 to 9-62	a15
211	2-0966.04	Little Alamance Creek near Greensboro, N.C.	O	9-62 to 9-66	a10

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B43

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
8,620	16	210	Lat 36°11', long 79°30', at dam above bridge on State Highway 87 at Altamahaw, Alamance County, and 1-1/4 miles above Reedy Fork.
4,990	3.8	25	Lat 36°10', long 79°57', at bridge on Secondary Road 2128, 2 miles east of Oak Ridge, Guilford County, and 3-1/4 miles above Moores Creek.
4,450	1.7	18	Lat 36°08'34", long 79°51'24", at bridge on Secondary Road 2340, 3/4 mile north of Battle Ground, Guilford County, and 2 miles above mouth.
16,900	(*)	150	Lat 36°11', long 79°37', 1-1/4 miles above Buffalo Creek and 6 miles northwest of Gibsonville, Guilford County.
9,020	(*)	34	Lat 36°02'43", long 79°45'43", at bridge on Willow Road, 2½ miles southeast of Greensboro, Guilford County, and 6½ miles above mouth.
9,790	(*)	39	Lat 36°03'36", long 79°43'33", at bridge on McConnel Road, 3.8 miles east of Greensboro, Guilford County, and 6 miles above North Buffalo Creek.
9,170	(*)	41	Lat 36°07'13", long 79°42'30", at bridge on Secondary Road 2832, 4.2 miles above mouth and 5.8 miles northeast of Greensboro, Guilford County.
17,900	(*)	280	Lat 36°10', long 79°32', at bridge on State Highway 87, at Ossipee, Alamance County, and ½ mile above mouth.
5,040	0	21	Lat 36°16', long 79°27', at bridge on Secondary Road 1100, below Benton Branch and 1½ miles west of Stony Creek, Caswell County.
8,500	0	50	Lat 36°11', long 79°25', ½ mile above Buttermilk Creek, and 6 miles north of Burlington, Alamance County.
3,650	(*)	7.9	Lat 36°06', long 79°24', at bridge on Secondary Road 1716, ½ mile above mouth and 1 mile south of Hopedale, Alamance County.
46,600	(*)	640	Lat 36°05', long 79°22', at Haw River, Alamance County, 650 ft below Southern Railway bridge, and 3 miles below Stony Creek.
5,280	.1	15	Lat 36°10', long 79°17', at bridge on State Highway 119, 2½ miles above mouth and 3½ miles southeast of Pleasant Grove, Alamance County.
12,300	(*)	47	Lat 36°07', long 79°18', at bridge on Secondary Road 1921, 1½ miles above Quaker Creek and 2 miles northwest of Mebane, Alamance County.
5,090	.1	15	Lat 36°06', long 79°19', at bridge on Secondary Road 1927, ½ mile above mouth and 2½ miles west of Mebane, Alamance County.
4,460	.2	11	Lat 36°01'52", long 79°43'49", at bridge on Secondary Road 3038, 4.5 miles southeast of Greensboro, Guilford County, and 5.1 miles above Beaver Creek.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
212	2-0966.09	CAPE FEAR RIVER BASIN--Continued Little Alamance Creek tributary near Sedalia, N.C.	0	9-62 to 9-66	6.31
213	2-0966.1	Little Alamance Creek near Whitsett, N.C.	0	9-54 to 9-66	a38
214	2-0966.6	Rock Creek near Whitsett, N.C.....	0	9-62 to 9-66	a14
215	2-0967	Alamance Creek near Elon College, N.C.	0	9-57 to 9-67	116
216	2-0967.2	Alamance Creek at Alamance, N.C.....	0	4-53 to 3-57	a140
217	2-0967.58	Alamance Creek at Bellemont, N.C.....	M	10-57 to 9-61	157
218	2-0967.8	South Prong Stinking Quarter Creek near Bellemont, N.C.	0	2-56 to 9-66	a33
219	2-0967.84	Rock Creek near Kimesville, N.C.....	0	9-62 to 9-66	a11
220	2-0967.9	Little Alamance Creek near Graham, N.C.	0	9-62 to 9-66	a13
221	2-0968.17	Haw Creek near Mebane, N.C.....	0	7-60 to 9-66	a8.0
222	2-0968.2	Haw Creek near Swepsonville, N.C.....	0	7-60 to 9-66	a28
223	2-0968.24	Varnals Creek near Swepsonville, N.C..	0	7-60 to 9-66	a12
224	2-0968.33	Motes Creek at Saxapahaw, N.C.....	0	7-60 to 9-66	a6.0
225	2-0968.41	Marys Creek near Saxapahaw, N.C.....	0	7-60 to 9-66	a11
226	2-0968.46	Cane Creek near Orange Grove, N.C.....	0	9-62 to 9-66	a4.9
227	2-0968.5	Cane Creek near Teer, N.C.....	0	9-59 to 9-67	31.3

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B45

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
3,510	0	6.9	Lat 36°03'56", long 79°38'43", at bridge on Secondary Road 3051, 0.8 mile above mouth and 1.1 miles southwest of Sedalia, Guilford County.
11,800	1.1	42	Lat 36°03'15", long 79°38'14", at bridge on Secondary Road 3124, 2½ miles above Rock Creek and 4½ miles west of Whitsett, Guilford County.
6,140	(*)	16	Lat 36°04', long 79°36', at culvert on U.S. Highway 70A, ¾ mile above mouth and 2 miles west of Whitsett, Guilford County.
20,500	1.0	130	Lat 36°02', long 79°32', at bridge 2½ miles above Little Creek, 4½ miles south of Elon College, Alamance County.
23,000	(*)	160	Lat 36°02', long 79°29', at bridge on State Highway 62, at Alamance, Alamance County, and ¾ mile below Little Creek.
24,000	(*)	170	Lat 36°02', long 79°29', at bridge on State Highway 49, ½ mile northeast of Bellemont, and 1½ miles above Stinking Creek.
13,100	0	33	Lat 35°59', long 79°30', at bridge on Secondary Road 1117, 1½ miles above mouth and 4 miles southwest of Bellemont, Alamance County.
6,000	.1	12	Lat 35°59', long 79°27', at bridge on Secondary Road 1130, 3 miles above mouth and 5½ miles northeast of Kimesville, Alamance County.
5,380	.5	13	Lat 36°03', long 79°25', at bridge on Secondary Road 2312, 2 miles above mouth and 2 miles southwest of Graham, Alamance County.
3,940	.1	8.0	Lat 36°03', long 79°17', at bridge on Secondary Road 2131, 1 mile above Rock Creek and 4 miles south of Mebane, Alamance County.
9,500	.3	28	Lat 36°00', long 79°20', at bridge on Secondary Road 2158, ¾ mile above mouth and ¾ mile south of Swepsonville, Alamance County.
6,100	.3	12	Lat 35°59', long 79°22', at bridge on Secondary Road 2116, ½ mile above mouth and 2½ miles south of Swepsonville, Alamance County.
3,560	.3	6.0	Lat 35°57', long 79°19', at bridge on Secondary Road 2146, 1/4 mile northeast of Saxapahaw, Alamance County, and ½ mile above mouth.
6,000	.1	11	Lat 35°55', long 79°18', at bridge on Secondary Road 2174, 1½ miles above mouth and 2-1/4 miles south of Saxapahaw, Alamance County.
2,740		4.9	Lat 35°59', long 79°12', at bridge on Secondary Road 1114, above Turkey Hill Creek and 1 mile northwest of Orange Grove, Orange County.
11,000	.2	31	Lat 35°57', long 79°15', at bridge on State Highway 54, 1½ miles southwest of Teer, Orange County, 2½ miles above mouth.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		CAPE FEAR RIVER BASIN--Continued			
228	2-0968.6	Cane Creek near Carrboro, N.C.....	0	9-54 to 9-60	a34
229	2-0968.86	Cane Creek near Snow Camp, N.C.....	0	7-60 to 9-62	a16
230	2-0968.94	Reedy Branch near Snow Camp, N.C.....	0	9-62 to 9-66	a2.8
231	2-0968.99	South Fork Cane Creek near Saxapahaw, N.C.	0	9-62 to 9-66	a21
232	2-0969.3	Terrell Creek near Pittsboro, N.C.....	0	7-60 to 9-66	a20
233	2-0969.59	Haw River at Bynum, N.C.....	D	10-55 to 9-67	a1,280
234	2-0970	Haw River near Pittsboro, N.C.....	0	2-54 to 6-68	1,310
235	2-0972.03	New Hope Creek near Blackwood, N.C....	0	9-62 to 9-66	a22
236	2-0972.2	New Hope Creek at U.S. Highway 15 near Durham, N.C.	0	10-52 to 9-66	a36
237	2-0973.6	Bolin Creek at Chapel Hill, N.C.....	0	7-60 to 9-66	10.6
238	2-0974.64	Morgan Creek near White Cross, N.C....	0	9-62 to 9-66	a7.8
239	2-0974.77	Phils Creek near White Cross, N.C.....	0	7-60. to 9-66	6.68
240	2-0975	Morgan Creek near Chapel Hill, N.C....	0	8-55 to 7-60	29.1
241	2-0980	New Hope River near Pittsboro, N.C....	D	10-53 to 8-67	285
242	2-0981.56	New Hope River near New Hill, N.C.....	D	10-56 to 9-67	340
243	2-0982	Haw River near Haywood, N.C.....	0	3-66 to 9-67	a1,700

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B47

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
11,900	0.3	34	Lat 35°56', long 79°15', at bridge on Secondary Road 1958, 1 mile above mouth and 10 miles west of Carrboro, Orange County.
8,450	.1	16	Lat 35°53', long 79°26', at bridge on Secondary Road 1004, 1/4 mile above mouth and 1 mile east of Snow Camp, Alamance County.
2,570	0	2.9	Lat 35°54', long 79°24', at bridge on Secondary Road 2356, 1/2 mile above mouth and 2 1/2 miles east of Snow Camp, Alamance County.
9,410	0	21	Lat 35°52', long 79°20', at bridge on Secondary Road 1003, 1 mile above mouth and 6 miles south of Saxapahaw, Alamance County.
8,690	0	21	Lat 35°49', long 79°15', at bridge on State Highway 87, 2 1/2 miles above mouth and 8 miles northwest of Pittsboro, Chatham County.
79,400	25	1,280	Lat 35°46', long 79°09', at bridge on U.S. Highway 15, 1/4 mile southwest of Bynum, Chatham County, and 1 mile above Pokeberry Creek.
80,400	38	1,310	Lat 35°42', long 79°05', 100 ft above Robeson Creek, 5 miles east of Pittsboro, Chatham County.
7,300	0	22	Lat 35°59'31", long 79°02'45", at bridge on Secondary Road 1730, 0.5 mile below Old Field Creek and 1.5 miles east of Blackwood, Orange County.
11,700	.1	36	Lat 35°57'34", long 78°58'54", at bridge on U.S. Highway 15, 0.5 mile above Mud Creek and 2 1/2 miles southwest of Durham, Durham County.
8,210	.6	11	Lat 35°55'40", long 79°02'08", at bridge on U.S. Highway 15A, 1 mile above Booker Creek and 1 1/2 miles northeast of Chapel Hill, Orange County.
6,720	.1	7.8	Lat 35°55'25", long 79°06'56", at bridge on State Highway 54, 2 miles above University Lake and 3 1/2 miles east of White Cross, Orange County.
5,860	.2	6.7	Lat 35°54'19", long 79°06'59", at bridge on Secondary Road 1005, 0.6 mile above mouth and 3 1/2 miles southeast of White Cross, Orange County.
.....	(*)	36	Lat 35°53'50", long 79°05'30", 600 ft below University Lake Dam, 2-1/4 miles southwest of Chapel Hill, Orange County, 2.8 miles above Wilson Creek.
19,300	(*)	300	Lat 35°44', long 79°02', at bridge on U.S. Highway 64, 1/4 mile below White Oak Creek and 8 3/4 miles east of Pittsboro, Chatham County.
22,400	(*)	350	Lat 35°42', long 79°03', at bridge on Secondary Road 1700, 1/4 mile below Beaver Creek, and 6 miles northwest of New Hill, Chatham County.
96,600	44	1,700	Lat 35°39', long 79°04', 1.3 miles above U.S. Highway 1, 2.1 miles north of Haywood, Chatham County, and 3.9 miles above mouth.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
244	2-0982.08	CAPE FEAR RIVER BASIN--Continued Haw River at Moncure, N.C.....	M	10-60 to 9-61	a1,700
245	2-0983.43	West Fork Deep River near Friendship, N.C.	0	9-62 to 9-66	a12
246	2-0985	West Fork Deep River near High Point, N.C.	0	4-55 to 9-66	32.1
247	2-0988.33	East Fork Deep River near Friendship, N.C.	0	9-62 to 9-66	3.91
248	2-0990	East Fork Deep River near High Point, N.C.	0	3-55 to 7-67	14.7
249	2-0994.8	Richland Creek near Archdale, N.C.....	0	5-56 to 9-66	12.7
250	2-0994.9	Hickory Creek near High Point, N.C....	0	9-62 to 9-66	a9.7
251	2-0995	Deep River near Randleman, N.C.....	0	3-55 to 7-67	124
252	2-1001.8	Polecat Creek near Climax, N.C.....	0	4-54 to 12-58	a28
253	2-1001.93	Little Polecat Creek near Randleman, N.C.	0	9-62 to 9-66	a11
254	2-1004.57	Sandy Creek near Liberty, N.C.....	0	4-53 to 8-54	a23
255	2-1004.69	Sandy Creek near Ramseur, N.C.....	0	9-62 to 9-66	a53
256	2-1005	Deep River at Ramseur, N.C.....	D	10-46 to 9-67	346
257	2-1006.4	Richland Creek near Asheboro, N.C.....	0	8-53 to 9-66	a34
258	2-1006.74	Richland Creek near Coleridge, N.C....	0	8-57 to 9-62	a60

See footnotes at end of table.

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
96,600	44	1,700	Lat 35°37', long 79°03', at bridge on U.S. Highway 1, 1-1/4 miles east of Moncure, Chatham County, and 1½ miles above mouth.
4,280	1.4	14	Lat 36°03'20", long 80°01'19", at bridge on Secondary Road 1850, 4½ miles southwest of Friendship, Guilford County, and 6 miles above mouth.
12,000	(*)	38	Lat 36°00'15", long 79°58'42", 0.4 mile above bridge on Secondary Road 1523, 2.9 miles above High Point Lake Dam and 2.5 miles northeast of High Point, Guilford County.
2,940	.9	4.7	Lat 36°04'50", long 79°57'28", at bridge on State Highway 68 and ½ mile south of Friendship, Guilford County.
7,100	2.1	17	Lat 36°02'15", long 79°56'46", at bridge on Secondary Road 1541, 3.3 miles above High Point Dam and 5.2 miles northeast of High Point, Guilford County.
6,480	1.1	15	Lat 35°56'28", long 79°55'56", at bridge on Secondary Road 1154, in Guilford County, 0.4 mile below Mile Branch and 2.9 miles northeast of Archdale.
4,430	.5	12	Lat 35°57', long 79°52', at bridge on Secondary Road 1132, 2 miles above mouth and 7¼ miles east of High Point, Guilford County.
30,600	(*)	140	Lat 35°54', long 79°51', 500 ft below bridge, 4¾ miles above Muddy Creek, 7 miles north of Randleman, Randolph County.
10,600	0	34	Lat 35°53', long 79°46', at bridge on Secondary Road 2114, in Randolph County, 1/4 mile below unnamed tributary and 4 miles southwest of Climax.
5,760	0	14	Lat 35°52'20", long 79°45'15", at bridge on Secondary Road 2106, 1-1/4 miles above mouth and 4½ miles northeast of Randleman, Randolph County.
9,700	.4	26	Lat 35°51', long 79°38', at bridge on State Highway 49A, 3½ miles west of Liberty, Randolph County, and 5 miles above Mount Pleasant Creek.
15,900	1.0	58	Lat 35°46', long 79°40', at bridge on Secondary Road 2495, 1/4 mile below Pleasant Creek and 2½ miles north of Ramseur, Randolph County.
42,100	(*)	400	Lat 35°44', long 79°39', 1/4 mile below Main Street bridge in Ramseur, Randolph County, and 1½ miles below Sandy Creek.
12,000	.3	41	Lat 35°38', long 79°43', at bridge on Secondary Road 2911, 3½ miles above Bachelors Creek and 8 miles southeast of Asheboro, Randolph County.
17,300	1.1	72	Lat 35°37', long 79°37', at bridge on Secondary Road 2873, ¾ mile above mouth and 2 miles south of Coleridge, Randolph County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		CAPE FEAR RIVER BASIN--Continued			
259	2-1006.94	Brush Creek near Siler City, N.C.....	0	9-62 to 9-66	a18
260	2-1007.1	Brush Creek near Coleridge, N.C.....	0	7-54 to 9-66	a67
261	2-1007.14	Fork Creek tributary No. 2 near Erect, N.C.	0	4-54 to 9-62	a7.8
262	2-1007.3	Fork Creek near Coleridge, N.C.....	0	8-54 to 12-58	a36
263	2-1009.11	Mill Creek near Spies, N.C.....	0	9-62 to 9-66	a15
264	2-1009.21	Wet Creek near Robbins, N.C.....	0	9-66 to 9-66	a16
265	2-1010	Bear Creek at Robbins, N.C.....	M	2-55 to 8-67	134
266	2-1010.84	McLendons Creek near Harris, N.C.....	0	9-62 to 9-66	a15
267	2-1010.9	McLendons Creek near Carthage, N.C....	0	10-52 to 8-54	a42
268	2-1012.9	McLendons Creek near Putnam, N.C.....	0	9-66 to 9-66	a96
269	2-1016.99	North Branch Rocky River near Staley, N.C.	0	4-54 to 7-54	9.62
270	2-1018	Tick Creek near Mount Vernon Springs, N.C.	0	9-58 to 9-67	15.3
271	2-1018.2	Tick Creek near Bonlee, N.C.....	0	5-56 to 9-62	a19
272	2-1018.48	Landrum Creek near Pittsboro, N.C.....	0	9-62 to 9-66	a15
273	2-1018.9	Bear Creek near Goldston, N.C.....	0	8-53 to 9-62	a43
274	2-1020	Deep River at Moncure, N.C.....	D	10-43 to 6-68	1,410

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B51

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
7,440	0.8	20	Lat 35°43', long 79°32', at bridge on Secondary Road 1102, $\frac{1}{2}$ mile above Bloodrun Creek and $4\frac{1}{2}$ miles west of Siler City, Chatham County.
16,600	.4	80	Lat 35°36', long 79°35', at bridge on State Highway 22, $1\frac{1}{2}$ miles above mouth and 3 miles southeast of Coleridge, Randolph County.
4,850	.1	10	Lat 35°34', long 79°42', at bridge on Secondary Road 2870, $\frac{3}{4}$ mile above mouth and $1\frac{3}{4}$ miles southwest of Erect, Randolph County.
12,900	.4	47	Lat 35°32', long 79°39', at bridge on Secondary Road 1003, 3 miles above mouth and 8 miles south of Coleridge, Randolph County.
6,380	.2	23	Lat 35°23', long 76°40', at bridge on Secondary Road 1401, 1- $\frac{1}{4}$ miles above Cabin Creek and 2- $\frac{1}{4}$ miles south of Spies, Moore County.
5,950	0	24	Lat 35°23', long 79°38', at bridge on State Highway 27, $1\frac{1}{2}$ miles above mouth and $4\frac{1}{2}$ miles southwest of Robbins, Moore County.
27,600	(*)	190	Lat 35°26', long 79°35', $1\frac{1}{4}$ mile below Cabin Creek and 0.2 mile west of Robbins, Moore County.
3,810	0	23	Lat 35°19', long 79°32', at bridge on Secondary Road 1210, 1 mile north of Harris, Moore County, and $2\frac{1}{2}$ miles above Big Juniper Creek.
7,340	0	54	Lat 35°23', long 79°27', at bridge on State Highway 22, 3 miles northwest of Carthage, Moore County, and $3\frac{3}{4}$ miles below Juniper Creek.
14,300	0	120	Lat 35°27', long 79°25', at bridge on Secondary Road 1628, 2 miles above mouth and 3 miles east of Putnam, Moore County.
5,280	0	11	Lat 35°49', long 79°31', at bridge in Chatham County, 2 miles above mouth, $2\frac{1}{2}$ miles northeast of Staley.
5,710	0	17	Lat 35°40', long 79°24', at bridge 1 mile below Atlantic and Yadkin Railway, $1\frac{1}{2}$ miles east of Mount Vernon Springs, Chatham County.
6,820	0	21	Lat 35°41', long 79°22', at bridge on Secondary Road 2120, $1\frac{1}{2}$ miles above mouth and $3\frac{1}{2}$ miles northeast of Bonlee, Chatham County.
5,810	0	16	Lat 35°41', long 79°16', at bridge on Secondary Road 2127, 1- $\frac{1}{4}$ miles above mouth and 6 miles southwest of Pittsboro, Chatham County.
12,700	.1	48	Lat 35°38', long 79°18', at bridge on Secondary Road 2187, 3 miles northeast of Goldston, Chatham County, and $6\frac{1}{2}$ miles above mouth.
85,200	(*)	1,580	Lat 35°36', long 79°05', $1\frac{1}{2}$ miles northwest of Moncure, Chatham County, 2- $\frac{1}{4}$ miles below Rocky River.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
275	2-1024.8	CAPE FEAR RIVER BASIN--Continued Neal Creek near Lillington, N.C.....	0	4-54 to 12-58	a38
276	2-1025	Cape Fear River at Lillington, N.C....	D	11-44 to 6-68	3,440
277	2-1026.1	Upper Little River near Lillington, N.C.	0	10-52 to 8-53	a180
278	2-1029.3	Crane Creek near Vass, N.C.....	0	10-52 to 3-65	a32
279	2-1035	Little River at Linden, N.C.....	M	2-54 to 9-67	460
280	2-1035.2	Stewarts Creek at Linden, N.C.....	0	8-57 to 9-66	10.2
281	2-1035.5	Little River at State Highway 217 at Linden, N.C.	D	10-46 to 9-67	a470
282	2-1040	Cape Fear River at Fayetteville, N.C..	M	10-48 to 6-68	4,370
283	2-1042.2	Rockfish Creek at Raeford, N.C.....	0	10-52 to 6-55	93.1
284	2-1045	Rockfish Creek near Hope Mills, N.C...	M	10-48 to 10-57	284
285	2-1055	Cape Fear River at William O. Huske Lock near Tarheel, N.C.	D	10-46 to 9-67	4,810
286	2-1055.36	Cape Fear River near Elizabethtown, N.C.	M	10-53 to 9-54	4,983
287	2-1056.3	Turnbull Creek near Elizabethtown, N.C.	0	10-52 to 12-58	71.6
288	2-1056.9	Hammond Creek near Lisbon, N.C.....	0	8-57 to 12-58	a17
289	2-1057.71	Cape Fear River near Acme, N.C.....	D	10-56 to 9-67	5,230

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B53

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
4,190	0.2	45	Lat 35°26', long 78°49', at bridge on U.S. Highway 401, ½ mile above mouth and 2 miles north of Lillington, Harnett County.
16,600	83	3,350	Lat 35°24', long 78°49', at bridge on U.S. Highway 401, ½ mile north of Lillington, Harnett County, and 1 mile below Neal Creek, at Mile 178.
8,620	1.8	210	Lat 35°21'36", long 78°50'37", at bridge on State Highway 210, 3 miles southwest of Lillington, Harnett County, and 9 miles above mouth.
4,800	0	38	Lat 35°17', long 79°16', at bridge on U.S. Highway 1, ½ mile above Little Crane Creek and 2 miles northeast of Vass, Moore County.
18,100	50	540	Lat 35°15'46", long 78°46'35", in Harnett County, at bridge on U.S. Highway 401, 1.6 miles west of Linden, Cumberland County, and 2 miles above Stewarts Creek.
1,020	0	12	Lat 35°16'09", long 78°45'21", at bridge on Secondary Road 2027, in Harnett County, ½ mile above mouth and 1 mile north of Linden.
18,000	52	560	Lat 35°16', long 78°45', at bridge on State Highway 217, in Harnett County, ½ mile below Stewarts Creek and ½ mile north of Linden.
164,000	220	4,730	Lat 35°02'49", long 78°51'36", at bridge on Person Street at Fayetteville, Cumberland County, and 0.3 mile below Cross Creek, at Mile 145.
5,760	43	110	Lat 34°59'55", long 79°12'55", at bridge on U.S. Highway 401, 1 mile below Nicholsons Creek and 1 mile north of Raeford, Hoke County.
12,200	110	390	Lat 34°57'57", long 78°55'04", below Little Rockfish Creek and 1¼ miles east of Hope Mills, Cumberland County.
162,000	390	5,010	Lat 34°50'05", long 78°49'27", at William O. Huske Lock, 7 miles north of Tarheel, Bladen County, and 9 miles above Phillips Creek, at mile 123.
162,000	400	5,180	Lat 34°37'57", long 78°36'12", at bridge on U.S. Highway 701, ½ mile below Ellis Creek and ½ mile above Elizabethtown, Bladen County.
1,630	.4	57	Lat 34°41'32", long 78°35'02", at bridge on Secondary Road 1511, 1.9 miles below Panther Branch and 4½ miles north of Elizabethtown, Bladen County.
1,090	.1	15	Lat 34°34'07", long 78°33'09", at bridge on Secondary Road 1704, 2½ miles above Whites Creek and 4 miles north of Lisbon, Bladen County.
162,000	420	5,440	Lat 35°23'48", long 78°16'05", in Bladen County, at bridge on State Highway 141, 0.8 mile below Natmore Creek and 6.1 miles northwest of Acme, Columbus County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
290	2-1057.9	CAPE FEAR RIVER BASIN--Continued Livingston Creek near Acme, N.C.....	0	10-52 to 9-58	a90
291	2-1059	Hood Creek near Leland, N.C.....	0	10-52 to 8-66	21.6
292	2-1060	Little Coharie Creek near Roseboro, N.C.	M	10-52 to 9-67	96.4
293	2-1063.6	Six Runs Creek near Clinton, N.C.....	0	10-52 to 9-59	a110
294	2-1065	Black River near Tomahawk, N.C.....	M	10-52 to 9-67	680
295	2-1067.6	Mingo Swamp near Dunn, N.C.....	0	8-57 to 12-58	a50
296	2-1070	South River near Parkersburg, N.C.....	M	3-54 to 9-67	382
297	2-1075	Colly Creek near Kelly, N.C.....	0	3-54 to 9-67	103
298	2-1075.44	Black River near Currie, N.C.....	D	10-55 to 9-56	a1,400
299	2-1075.6	Moore's Creek near Atkinson, N.C.....	0	9-56 to 9-58	a52
300	2-1075.71	Cape Fear River near Navassa, N.C. <u>b</u> /...	D	10-60 to 9-61	a7,050
301	2-1075.72	Cape Fear River at Royster, N.C. <u>b</u> /....	D	11-61 to 9-67	a7,060
302	2-1075.76	Cape Fear River at Navassa, N.C. <u>b</u> /....	D	10-59 to 9-67	a7,060
303	2-1076	Northeast Cape Fear River near Seven Springs, N.C.	0	8-58 to 8-67	47.5
304	2-1080	Northeast Cape Fear River near Chinquapin, N.C.	D	10-50 to 9-67	600

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B55

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
8,060	0.1	81	Lat 34°18'57", long 78°14'18", at bridge on U.S. Highway 74, 1 $\frac{1}{2}$ miles west of Acme, Columbus County, and 4 miles above Lynch Gum Branch.
3,830	0	21	Lat 34°16'43", long 78°07'34", at bridge on U.S. Highway 74, 0.4 miles below Pasture Pond Branch, 4 $\frac{3}{4}$ miles northwest of Leland, Brunswick County.
3,880	2.0	100	Lat 34°57'13", long 78°29'17", at bridge on State Highway 24, 1-1/4 miles east of Roseboro, Sampson County, and 1 $\frac{1}{2}$ miles above Bearskin Swamp.
6,910	0	110	Lat 34°59', long 78°14', at bridge on State Highway 24, 1/4 mile below Turkey Creek and 5 miles east of Clinton, Sampson County.
13,500	43	630	Lat 34°45'17", long 78°17'21", at bridge on State Highway 411, 1/4 mile below Clear Run Swamp and 3 $\frac{3}{4}$ miles northeast of Tomahawk, Sampson County.
4,710	0	57	Lat 35°16', long 78°35', at bridge on U.S. Highway 421, 1 mile below Stony Run and 2.7 miles southeast of Dunn, Harnett County.
8,280	2.0	360	Lat 34°48'45", long 78°27'26", at bridge on Secondary Road 1503, in Bladen County, 1.9 miles southwest of Parkersburg, Sampson County, and 2.1 miles above Cypress Creek.
2,040	0	100	Lat 34°27'48", long 78°15'26", at bridge on State Highway 53, 3.8 miles east of Kelly, Bladen County, 8.1 miles above mouth.
25,500	37	1,290	Lat 34°25'57", long 78°08'33", at bridge on State Highway 210, 3 miles above Moores Creek and 3-1/4 miles southwest of Currie, Pender County.
4,850	0	43	Lat 34°33'24", long 78°07'25", at bridge on Secondary Road 1128, 2 $\frac{1}{2}$ miles below White Oak Branch and 3 miles northeast of Atkinson, Pender County.
159,000	(*)	7,050	Lat 34°17'00", long 77°59'50", in New Hanover County, 1 $\frac{1}{2}$ miles downstream from Catfish Creek and 2 miles northeast of Navassa, Brunswick County. At River Mile 34.0 and 6.0 miles above Market Street in Wilmington.
159,000	(*)	7,060	Lat 34°16'15", long 78°00'00", at Royster, Brunswick County, 2 $\frac{1}{2}$ miles below Indian Creek.
159,000	(*)	7,060	Lat 34°15'40", long 77°39'20", above mile marker 4 at Seaboard Air Line Railroad bridge and $\frac{3}{4}$ mile northeast of Navassa, Brunswick County.
2,780	2.0	48	Lat 35°10'20", long 77°55'56", at bridge 4.5 miles above Buck Marsh, 6 miles southwest of Seven Springs, Wayne County.
12,100	12	600	Lat 34°49'40", long 77°50'00", $\frac{1}{2}$ mile below Muddy Creek, and 1-1/4 miles west of Chinquapin, Duplin County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		CAPE FEAR RIVER BASIN--Continued			
305	2-1085	Rockfish Creek near Wallace, N.C.....	0	9-59 to 9-67	63.8
306	2-1085.29	Rockfish Creek at Wallace, N.C.....	0	1-56 to 2-59	125
307	2-1085.66	Northeast Cape Fear River near Bur- gaw, N.C.	D	10-63 to 9-65	a920
308	2-1086.19	Northeast Cape Fear River at Castle Hayne, N.C.	D	10-54 to 9-67	al,500
309	2-1086.37	Northeast Cape Fear River near Castle Hayne, N.C. <u>b</u> /	D	10-59 to 9-67	al,690
310	2-1086.38	Northeast Cape Fear River near Wrightsboro, N.C. <u>b</u> /	D	11-62 to 6-63	al,700
311	2-1088.3	Allen Creek near Southport, N.C.....	0	4-57 to 12-59	9.97
		LOCKWOODS FOLLY RIVER BASIN			
312	2-1089.1	Pinch Gut Creek near Bolivia, N.C.....	0	10-52 to 9-58	20.3
		WACCAMAW RIVER BASIN			
313	2-1095	Waccamaw River at Freeland, N.C.....	D	10-50 to 9-67	706
		PEE DEE RIVER BASIN			
314	2-1110	Yadkin River at Patterson, N.C.....	M	10-47 to 7-67	29.0
315	2-1110.8	Buffalo Creek near Legerwood, N.C.....	0	4-67 to 9-67	30.6
316	2-1110.9	Yadkin River near Patterson, N.C.....	0	9-54 to 7-58	75.4

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B57

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
8,110	0.4	55	Lat 34°44'32", long 78°02'22", at bridge on State Highway 41, 1 $\frac{3}{4}$ miles above Doctors Creek and 2 $\frac{1}{2}$ miles northwest of Wallace, Duplin County.
12,800	.6	110	Lat 34°43'34", long 78°00'18", at bridge $\frac{3}{4}$ mile southwest of Wallace, Duplin County, 0.8 mile above Sawyer Creek.
17,900	14	900	Lat 35°36'00", long 77°52'30", at bridge on State Highway 53, 3.9 miles above Holly Shelter Creek, and 4 $\frac{1}{2}$ miles northeast of Burgaw, Pender County.
26,900	(*)	1,400	Lat 34°22'20", long 77°54'00", at bridge on U.S. Highway 117, 0.8 mile north of Castle Hayne, New Hanover County, and 4.7 miles above Prince George Creek.
29,700	(*)	1,690	Lat 34°20'20", long 77°59'40", in Pender County at end of Secondary Road 1428, 4.2 miles below Long Creek and 5.8 miles west of Castle Hayne, New Hanover County.
29,700	(*)	1,700	Lat 34°19'10", long 78°57'20", 3 miles above Ness Creek and 3- $\frac{1}{4}$ miles northwest of Wrightsboro, New Hanover County.
2,590	(*)	10	Lat 34°02'47", long 78°02'12", at bridge, above Bouncing Log Spring outlet, 2.2 miles below State Highway 87 and 8 $\frac{1}{4}$ miles northeast of Southport, Brunswick County.
3,850	1.0	20	Lat 34°02'48", long 78°10'44", at bridge on U.S. Highway 17, 1- $\frac{1}{4}$ miles above mouth and 2 miles southwest of Bolivia, Brunswick County.
13,800	.7	570	Lat 34°05'43", long 78°32'55", below bridge on State Highway 130, 1 mile southwest of Freeland, Brunswick County, 7 miles below Juniper Creek and 117 miles above mouth in Winyah Bay.
6,240	9.4	52	Lat 35°59'29", long 81°33'30", 200 ft above State Highway 268, $\frac{1}{2}$ mile south of Patterson, Caldwell County, 3/4 mile above Warrior Creek, at mile 416.
6,430	11	55	Lat 36°02'11", long 81°31'10", at bridge on Secondary Road 1504, 0.1 mile below Licklog Branch and 1.7 miles north of school in Legerwood, Caldwell County.
11,800	24	140	Lat 36°00'55", long 81°30'20", below Buffalo Creek, $\frac{1}{2}$ mile below State Highway 268 and 4 miles northeast of Patterson, Caldwell County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PEE DEE RIVER BASIN--Continued			
317	2-1111.4	Kings Creek at Grandin, N.C.....	0	8-63 to 9-67	a21
318	2-1111.8	Elk Creek at Elkville, N.C.....	0	11-52 to 7-67	a51
319	2-1112.6	Stony Fork near Ferguson, N.C.....	0	9-54 to 9-58	a35
320	2-1113.2	North Prong Lewis Fork Creek at Champion, N.C.	0	9-54 to 6-59	a34
321	2-1113.7	South Prong Lewis Fork Creek at Champion, N.C.	0	9-54 to 8-63	a31
322	2-1113.84	Lewis Fork Creek at Champion, N.C.....	0	9-55 to 8-63	a65
323	2-1114.4	Middle Fork Reddies River near Wil- bar, N.C.	0	11-52 to 8-56	a14
324	2-1115	Reddies River at North Wilkesboro, N.C.	D	10-47 to 7-67	93.9
325	2-1120	Yadkin River at Wilkesboro, N.C.....	D	10-47 to 7-67	493
326	2-1120.4	Mulberry Creek near North Wilkes- boro, N.C.	0	5-53 to 4-58	a43
327	2-1121.2	Roaring River near Roaring River, N.C.	0	11-52 to 7-67	122
328	2-1121.7	Bugaboo Creek at Ronda, N.C.....	0	9-54 to 6-59	a18
329	2-1122.5	Yadkin River at Elkin, N.C.....	0	8-64 to 7-67	854
330	2-1123.1	Mitchell River near Mountain Park, N.C.	0	11-52 to 1-56	a33
331	2-1123.6	Mitchell River near State Road, N.C....	0	11-52 to 7-67	80.4
332	2-1124.6	Little Fisher River at Oak Grove, N.C.	0	8-63 to 9-67	a17

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B59

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
4,740	7.9	38	Lat 36°02', long 81°25', at bridge on Secondary Road 1509, at Grandin, Caldwell County, and 1½ miles above mouth.
7,730	14	92	Lat 36°04', long 81°24', at bridge on State Highway 268 at Elkville, Wilkes County, and ½ mile above mouth.
5,570	15	60	Lat 36°07', long 81°21', at bridge on Secondary Road 1135, 1 mile above mouth and 1½ miles north of Ferguson, Wilkes County.
6,050	14	57	Lat 36°09', long 81°18', at bridge on Secondary Road 1311, 1/4 mile above South Prong and 1 mile east of Champion, Wilkes County.
4,700	15	53	Lat 36°09', long 81°18', at bridge on Secondary Road 1307, 1/4 mile above North Prong and ½ mile east of Champion, Wilkes County.
8,020	29	110	Lat 36°09', long 81°18', at bridge on U.S. Highway 421, at Champion, Wilkes County, and below North Prong.
3,960	6.7	24	Lat 36°16', long 81°18', at bridge on Secondary Road 1559, 1 mile east of Wilbar, Wilkes County, and 2-1/4 miles above mouth.
15,400	37	160	Lat 36°10', long 81°10', above bridge on Secondary Road 1517, 1-1/4 miles northwest of North Wilkesboro, Wilkes County, and 2 miles above mouth.
40,700	(*)	850	Lat 36°09', long 81°09', above U.S. Highway 421A, below Reddies River and ½ mile northeast of Wilkesboro, Wilkes County, at mile 382.
10,100	19	73	Lat 36°12', long 81°07', at bridge on State Highway 268, 1 mile above mouth and 1-1/4 miles east of North Wilkesboro, Wilkes County.
18,400	41	200	Lat 36°15', long 81°02', at bridge on Secondary Road 1990, 3½ miles northwest of Roaring River, Wilkes County, and 4 miles above mouth.
6,770	6.1	28	Lat 36°13', long 80°57', at bridge on State Highway 268, 1/4 mile above mouth and 1 mile west of Ronda, Wilkes County.
58,600	(*)	1,280	Lat 36°15', long 80°51', at bridge on U.S. Highway 21, at Elkin, Surry County, and 1/4 mile below Elkin River.
6,720	15	56	Lat 36°26', long 80°52', at bridge on Secondary Road 1330, 1-1/4 miles below North Fork and 3 miles north of Mountain Park, Surry County.
15,200	31	130	Lat 36°19', long 80°49', at bridge on Secondary Road 1001, 2 miles above Grass Creek and 3-1/4 miles east of State Road, Surry County.
4,300	6.7	27	Lat 36°29', long 80°45', at bridge on State Highway 89, at Oak Grove, Surry County, and 2-3/4 miles above Wood Fork Branch.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PEE DEE RIVER BASIN--Continued			
333	2-1130	Fisher River near Copeland, N.C.....	M	10-47 to 7-67	121
334	2-1136.2	Ararat River at Mt. Airy, N.C.....	0	3-54 to 8-63	65.5
335	2-1137.6	Stewarts Creek near Mount Airy, N.C...	0	11-52 to 8-56	a89
336	2-1138.5	Ararat River at Ararat, N.C.....	0	8-64 to 7-67	231
337	2-1138.9	Toms Creek at Pilot Mountain, N.C.....	0	3-54 to 7-58	a29
338	2-1142.01	West Prong Little Yadkin River near Pinnacle, N.C.	0	8-57 to 9-61	15.8
339	2-1143.01	East Prong Little Yadkin River at Chestnut Grove, N.C.	0	8-57 to 9-61	14.5
340	2-1144.5	Little Yadkin River at Dalton, N.C....	0	8-57 to 7-67	42.8
341	2-1145	Little Yadkin River near Donnah, N.C.	0	6-56 to 6-59	a60
342	2-1153.6	Yadkin River at Enon, N.C.....	0	8-64 to 7-67	a1,680
343	2-1155	Forbush Creek near Yadkinville, N.C...	M	8-54 to 9-67	21.7
344	2-1155.3	Logan Creek near Enon, N.C.....	0	8-63 to 9-67	a25
345	2-1156.1	North Deep Creek near Yadkinville, N.C.	0	9-54 to 8-63	a35
346	2-1156.51	Deep Creek near Shacktown, N.C.....	0	3-54 to 8-63	a120
347	2-1157.5	Muddy Creek near Lewisville, N.C.....	0	7-64 to 1-67	82.8
348	2-1158	Silas Creek near Clemmons, N.C.....	0	9-61 to 1-67	11.8

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B61

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
23,000	38	200	Lat 36°20', long 80°40', at State Highway 268, 1 mile above Cody Creek and 2 miles northwest of Copeland, Surry County.
11,500	16	92	Lat 36°30'08", long 80°36'02", at bridge on State Highway 103, at Mt. Airy, Surry County, and 1.7 miles below Champ Creek.
14,700	27	130	Lat 36°28', long 80°38', at bridge on U.S. Highway 601, 2 miles above mouth and 3 miles southwest of Mount Airy, Surry County.
23,800	53	340	Lat 36°24', long 80°34', at bridge on Secondary Road 2019, at Ararat, Surry County, and below Flat Shoal Creek.
11,300	5.4	41	Lat 36°23'56", long 80°29'23", at bridge on U.S. Highway 52 Bus., 1.4 miles northwest of Pilot Mountain, Surry County, and 1.5 miles below Chinguapin Creek.
8,160	.8	21	Lat 36°19'50", long 80°24'35", at bridge on Secondary Road 1160, 1 mile above mouth and 1.4 miles east of Pinnacle, Stokes County.
7,780	2.6	19	Lat 36°19'41", long 80°23'58", at bridge on Secondary Road 1160, 0.4 mile above mouth, and 0.9 mile northwest of Chestnut Grove, Stokes County.
15,600	5.1	35	Lat 36°17'56", long 80°24'53", 1.0 mile southwest of Dalton, Stokes County, and 2.0 miles below Danbury Creek.
19,100	7.2	49	Lat 36°15'21", long 80°26'34", at bridge on Secondary Road 1604, 2.1 miles above mouth, and 2.1 miles northwest of Donnaha, Forsyth County.
94,900	(*)	2,020	Lat 36°08', long 80°27', at bridge on Secondary Road 1605, 1 mile below Beehewa Creek and 1½ miles southeast of Enon, Yadkin County.
5,860	2.6	26	Lat 36°08', long 80°33', 3 miles above Logan Creek and 6 miles east of Yadkinville, Yadkin County.
5,900	2.8	30	Lat 36°07', long 80°30', at bridge on Secondary Road 1571, 1/4 mile above mouth and 2-1/4 miles southwest of Enon, Yadkin County.
10,400	4.0	42	Lat 36°08', long 80°37', at bridge on Secondary Road 1605, 1½ miles east of Yadkinville, Yadkin County, and 1¼ miles above Town Branch.
21,500	18	150	Lat 36°07', long 80°32', at bridge on Secondary Road 1711, ½ mile below North Deep Creek and 2-1/4 miles east of Shacktown, Yadkin County.
14,200	9.2	99	Lat 36°03'10", long 80°22'10", at bridge on Secondary Road 1140, 1.3 miles above Silas Creek and 4 miles southeast of Lewisville, Forsyth County.
4,280	1.4	14	Lat 36°02'44", long 80°21'15", at bridge on Secondary Road 1137, 0.9 mile above mouth and 1.9 miles northeast of Clemmons, Forsyth County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PEE DEE RIVER BASIN--Continued			
349	2-1158.1	Little Creek near Clemmons, N.C.....	0	9-56 to 9-61	6.81
350	2-1158.2	Muddy Creek near Clemmons, N.C.....	0	12-52 to 9-56	105
351	2-1158.5	Salem Creek at Winston-Salem, N.C.....	0	7-64 to 1-67	51.3
352	2-1158.6	Muddy Creek near Muddy Creek, N.C.....	0	7-64 to 1-67	178
353	2-1158.9	South Fork Muddy Creek near Winston-Salem, N.C.	0	10-54 to 4-58	38.5
354	2-1159	South Fork Muddy Creek near Clemmons, N.C.	0	9-61 to 1-67	42.3
355	2-1160	Reedy Creek near Yadkin College, N.C..	0	8-57 to 9-61	13.3
356	2-1162.51	Reedy Creek near Reedy Creek, N.C.....	0	8-57 to 9-61	a21
357	2-1165	Yadkin River at Yadkin College, N.C....	D	10-43 to 6-68	a2,280
358	2-1167.51	Dutchmans Creek near Cana, N.C.....	0	9-56 to 8-63	a42
359	2-1167.7	Dutchmans Creek near Maine, N.C.....	0	10-66 to 4-67	a61
360	2-1167.9	Cedar Creek near Smithgrove, N.C.....	0	8-63 to 9-67	a19
361	2-1170.7	South Yadkin River at Hiddenite, N.C..	0	10-66 to 9-67	a34
362	2-1170.9	Greasy Creek near Hiddenite, N.C.....	0	8-63 to 9-67	a15
363	2-1172.2	South Yadkin River near Statesville, N.C.	0	9-55 to 2-63	a77

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B63

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
3,000	(*)	8.2	Lat 36°02'19", long 80°20'46", at bridge on Secondary Road 1120, 0.9 mile above mouth and 1.9 miles northeast of Clemmons, Forsyth County.
18,200	12	130	Lat 36°01'28", long 80°21'16", at bridge on U.S. Highway 158, 0.2 mile below Little Creek and 1.1 miles east of Clemmons, Forsyth County.
.....	(*)	62	Lat 36°04'06", long 80°15'46", at bridge on Secondary Road 1528, 0.2 mile below Peters Creek and 2.4 miles southwest of Post office in Winston-Salem, Forsyth County.
.....	(*)	210	Lat 36°00'01", long 80°20'25", 100 ft above bridge on Secondary Road 2995, 0.2 mile below Salem Creek and 1-3/4 miles east of Muddy Creek, Forsyth County.
9,120	7.7	47	Lat 36°00'38", long 80°16'15", at bridge on State Highway 150, below Leak Creek and 6.3 miles south of Winston-Salem, Forsyth County.
10,100	8.5	52	Lat 36°00'22", long 80°18'07", at bridge on Secondary Road 2902, 1.9 miles below Leak Creek and 4.2 miles southeast of Clemmons, Forsyth County.
5,660	.6	14	Lat 35°55', long 80°20', 1/4 mile above Huffmans Creek and 3½ miles northeast of Yadkin College, Davidson County.
7,820	1.6	23	Lat 35°54', long 80°22', at bridge on Secondary Road 1445, 1½ miles above mouth and 1½ miles west of Reedy Creek, Davidson County.
119,000	(*)	3,240	Lat 35°51'24", long 80°23'10", below U.S. Highway 64, 0.3 mile below Dykers Creek and 1.5 miles south of Yadkin College, Davidson County.
10,700	1.3	54	Lat 35°59', long 80°34', at bridge on Secondary Road 1411, 3/4 mile north of Cana, Davie County, and 1½ miles below Saw Mill Branch.
14,500	2.6	79	Lat 35°57', long 80°32', at bridge on U.S. Highway 158, 1-1/4 miles above Cedar Creek and 1-1/4 miles northeast of Maine, Davie County.
7,010	.1	25	Lat 35°57', long 80°31', at bridge on U.S. Highway 158, 1 mile above mouth and 1 mile southwest of Smithgrove, Davie County.
7,250	7.6	52	Lat 35°55', long 81°04', at bridge on Secondary Road 1491, 1 mile above Greasy Creek, and 1-3/4 miles northeast of Hiddenite, Alexander County.
4,110	3.3	22	Lat 35°55', long 80°05', at bridge on Secondary Road 1001, 1-1/4 miles north of Hiddenite, Alexander County, and 2-1/4 miles above mouth.
13,300	18	100	Lat 35°53', long 80°57', at bridge on State Highway 115, 3 miles above Rocky Creek and 7 miles north of Statesville, Iredell County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PEE DEE RIVER BASIN--Continued			
364	2-1172.85	Snow Creek near Scotts, N.C.....	0	8-63 to 9-67	a29
365	2-1173.95	Rocky Creek at Union Grove, N.C.....	0	4-67 to 9-67	a47
366	2-1174.8	Patterson Creek near Charles, N.C.....	0	8-63 to 9-67	a22
367	2-1175	Rocky Creek at Turnersburg, N.C.....	0	4-55 to 7-67	102
368	2-1177.1	Fifth Creek near Statesville, N.C.....	0	10-53 to 4-58	a27
369	2-1180	South Yadkin River near Mocksville, N.C.	D	10-53 to 9-67	313
370	2-1183.9	Hunting Creek at Union Grove, N.C.....	0	4-67 to 9-67	a63
371	2-1185	Hunting Creek near Harmony, N.C.....	M	10-52 to 7-67	153
372	2-1189.1	Bear Creek at Mocksville, N.C.....	0	10-53 to 8-63	a23
373	2-1190	South Yadkin River at Cooleemee, N.C..	D	10-47 to 5-65	569
374	2-1194	Third Creek subwatershed No. 7A near Stony Point, N.C.	0	11-56 to 7-67	4.84
375	2-1194.35	Third Creek near Barium Springs, N.C..	0	8-63 to 9-67	a29
376	2-1195	Third Creek subwatershed No. 21 (IL Creek) at Troutman, N.C.	0	4-55 to 8-63	1.62
377	2-1205	Third Creek at Cleveland, N.C.....	D	10-49 to 7-67	87.4
378	2-1205.8	Fourth Creek at Statesville, N.C.....	0	9-56 to 8-63	a16

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B65

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
7,300	7.2	40	Lat 35°54', long 80°57', at bridge on State Highway 115, 2-3/4 miles above mouth and 5 miles north-east of Scotts, Iredell County.
9,220	9.0	66	Lat 36°00', long 81°51', at bridge on Secondary Road 1811, 2 miles south of Union Grove, Iredell County, and 6-3/4 miles above Patterson Creek.
6,290	7.4	31	Lat 35°56', long 80°51', at bridge on Secondary Road 1886, 1/2 mile above Olin Creek and 2 1/2 miles northeast of Charles, Iredell County.
15,300	24	130	Lat 35°54', long 80°48', 1,000 ft below U.S. Highway 21 at Turnersburg, Iredell County, 1 1/2 miles above mouth.
8,880	5.4	33	Lat 35°51', long 80°44', at bridge on Secondary Road 2163, 2 miles above mouth and 9 miles north-east of Statesville, Iredell County.
20,900	67	370	Lat 35°51', long 80°40', at bridge on Secondary Road 1972, in Rowan County, 1 mile above Little Creek and 6 1/2 miles southwest of Mocksville, Davie County.
15,000	19	82	Lat 36°03', long 80°53', at bridge on Secondary Road 1807, 2 1/2 miles northwest of Union Grove, Iredell County, and 8 1/2 miles above North Hunting Creek.
19,300	46	230	Lat 36°00', long 80°44', at bridge on Secondary Road 2115, 3/4 mile below Kennedy Creek and 3 1/2 miles northeast of Harmony, Iredell County.
8,540	.9	30	Lat 35°52', long 80°35', at bridge on Secondary Road 1139, 1 1/2 miles southwest of Mocksville, Davie County, and 4 1/2 miles above mouth.
32,400	(*)	740	Lat 35°48', long 80°34', at Cooleemee, Davie County, above State Highway 801, 2.5 miles above Third Creek, and 7.2 miles above mouth.
2,170	(*)	6.2	Lat 35°52', long 81°04', 0.2 mile above bridge on Secondary Road 1633, 1-1/4 miles northwest of Stony Point, Alexander County, and 2 1/2 miles above county line.
.....	7.4	35	Lat 35°46', long 80°55', at bridge on Secondary Road 1004, 3 1/2 miles north of Barium Springs, Iredell County, and 5 1/2 miles above Duck Creek.
.....	.3	2.0	Lat 35°42', long 80°53', 1/4 mile above bridge, 1 mile east of Troutman, Iredell County, 3 3/4 miles above mouth.
.....	19	110	Lat 35°45', long 80°41', below bridge on Secondary Road 1957, 1/4 mile north of Cleveland, Rowan County, and 7 miles above Fourth Creek.
5,810	4.0	22	Lat 35°49', long 80°53', at bridge on Secondary Road 1933, above Morrison Creek and 2 miles north of Statesville, Iredell County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
379	2-1206.04	PEE DEE RIVER BASIN--Continued Morrison Creek near Statesville, N.C...	0	9-56 to 8-63	a5.9
380	2-1206.4	Third Creek at Cooleemee, N.C.....	0	8-63 to 10-67	a180
381	2-1206.95	Withrow Creek near Bear Poplar, N.C...	0	8-63 to 9-67	a33
382	2-1207.4	Back Creek near Mill Bridge, N.C.....	0	8-63 to 9-67	a39
383	2-1207.6	Sloans Creek near Mill Bridge, N.C....	0	10-66 to 9-67	a17
384	2-1207.8	North Second Creek near Barber, N.C...	0	11-52 to 8-63	a120
385	2-1208.01	North Second Creek near Franklin, N.C.	0	8-56 to 8-57	a140
386	2-1209.1	Grants Creek at Salisbury, N.C.....	0	11-52 to 8-63	a39
387	2-1212.4	South Potts Creek near Linwood, N.C...	0	9-61 to 9-67	13.4
388	2-1213.6	Swearing Creek at Linwood, N.C.....	0	11-52 to 8-57	35.3
389	2-1213.7	Crane Creek near Granite Quarry, N.C..	0	4-67 to 9-67	a17
390	2-1214.1	Second Creek near Liberty, N.C.....	0	10-54 to 6-59	30.3
391	2-1214.3	Abbotts Creek near Wallburg, N.C.....	0	10-54 to 9-61	33.3
392	2-1214.5	Brushy Fork near Thomasville, N.C.....	0	9-61 to 9-66	20.9
393	2-1214.6	Abbotts Creek near Thomasville, N.C...	0	12-52 to 8-57	67.3
394	2-1214.66	Rich Fork near High Point, N.C.....	0	8-57 to 9-61	a6.4

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B67

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
2,920	1.7	7.6	Lat 35°49', long 80°55', at bridge on State Highway 115, 3-1/4 miles above mouth and 3-1/4 miles northwest of Statesville, Iredell County.
.....	38	210	Lat 35°48', long 80°34', in Rowan County, at bridge on State Highway 801, 1 mile south of Cooleemee and 3 miles above mouth.
12,900	5	38	Lat 35°41'40", long 80°40'45", at bridge on Secondary Road 1743, 1½ miles above Beaverdam Creek and 1 mile north of Bear Poplar, Rowan County.
14,800	6.3	47	Lat 35°40'50", long 80°38'20", at bridge on Secondary Road 1737, ¾ mile above mouth and 2½ miles north of Mill Bridge, Rowan County.
9,220	3.5	20	Lat 35°39'30", long 80°38'15", at bridge on Secondary Road 1735, 1 mile above mouth and 1-1/4 miles north of Mill Bridge, Rowan County.
31,300	17	43	Lat 35°43'05", long 80°35'45", at bridge on U.S. Highway 70, 1-1/4 miles below Withrow Creek and 2¼ miles east of Barber, Rowan County.
35,300	20	160	Lat 35°46', long 80°31', at bridge on U.S. Highway 601, 1½ miles above mouth and 2¾ miles north of Franklin, Rowan County.
17,200	4.7	47	Lat 35°39'50", long 80°30'35", at bridge on State Highway 150, 2 miles west of Salisbury, Rowan County, and 7½ miles above mouth.
6,430	1.5	17	Lat 35°44'55", long 80°21'11", at bridge on U.S. Highway 29, 1 mile above mouth and 2 miles southwest of Linwood, Davidson County.
11,600	3.2	44	Lat 35°45'19", long 80°18'22", at bridge on Secondary Road 1130, ½ mile east of Linwood, Davidson County, and 2 miles above mouth.
9,840	.5	21	Lat 35°38'15", long 80°26'55", at bridge on U.S. Highway 52, ½ mile below Southern Railway and 2 miles north of Granite Quarry, Rowan County.
14,700	2.0	38	Lat 35°33'52", long 80°21'56", at bridge on Secondary Road 2370, 0.7 mile above Sand Branch, and 2.0 miles southwest of Liberty, Rowan County.
8,830	3.0	40	Lat 35°57'21", long 80°07'32", at bridge on State Highway 109, 0.3 mile below Spurgeon Creek and 4.2 miles south of Wallburg, Davidson County.
6,480	1.8	25	Lat 35°55'30", long 80°10'49", at bridge on Secondary Road 1810, 2½ miles above mouth and 6 miles northwest of Thomasville, Davidson County.
13,900	.....	.....	Lat 35°53'33", long 80°10'52", above water intake, below Brushy Creek and 5½ miles west of Thomasville, Davidson County.
3,310	.1	7.7	Lat 35°58'40", long 80°03'41", at bridge on Secondary Road 1741, in Davidson County, 2.7 miles below county line and 3.6 miles northwest of High Point.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PEE DEE RIVER BASIN--Continued			
395	2-1214.8	Rich Fork near Holly Grove, N.C.....	0	10-53 to 9-61	48.2
396	2-1215	Abbotts Creek at Lexington, N.C.....	D	10-47 to 9-61	174
397	2-1225	Yadkin River at High Rock, N.C.....	D	10-47 to 6-68	4,000
398	2-1225.3	Lick Creek at Healing Springs, N.C....	0	10-54 to 6-59	27.8
399	2-1225.6	Cabin Creek near Jackson Hill, N.C....	0	8-58 to 9-61	13.7
400	2-1230	Uwharrie River near Trinity, N.C.....	0	8-57 to 1-59	11.3
401	2-1231.2	Uwharrie River near Asheboro, N.C.....	0	4-53 to 9-61	a37
402	2-1232.83	Uwharrie River near Farmer, N.C.....	0	8-57 to 9-62	120
403	2-1233.29	Little Caraway Creek near Asheboro, N.C.	0	9-61 to 9-62	a5.7
404	2-1233.52	Caraway Creek near Asheboro, N.C.....	0	8-57 to 9-62	a39
405	2-1233.58	Back Creek near Central Falls, N.C....	0	9-61 to 9-62	a7.4
406	2-1233.76	Back Creek near Asheboro, N.C.....	0	8-57 to 9-62	a33
407	2-1234.22	Toms Creek at Farmer, N.C.....	0	8-57 to 9-61	16.5
408	2-1235	Uwharrie River near Eldorado, N.C.....	M	10-47 to 9-67	347
409	2-1235.99	Mountain Creek near Albemarle, N.C....	0	9-55 to 9-61	12.8

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B69

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
11,500	(*)	58	Lat 35°51'15", long 80°10'57", at bridge on Secondary Road 2022, 1½ miles above Hamby Creek and 2½ miles north of Holly Grove, Davidson County.
19,500	(*)	200	Lat 35°48'23", long 80°14'05", above bridge on Secondary Road 2205, 1.5 miles southeast of Lexington, Davidson County, and 4.9 miles below Rich Fork.
.....	(*)	4,880	Lat 35°35'46", long 80°13'59", 0.3 mile below High Rock Dam and 0.6 mile west of High Rock, Davidson County.
7,780	(*)	33	Lat 35°36'59", long 80°10'31", at bridge on Secondary Road 1002, 0.1 mile east of Healing Springs, Davidson County, and 3 miles above mouth.
5,180	.5	16	Lat 35°34'57", long 80°09'12", at culvert on State Highway 8, 0.6 mile north of Jackson Hill, Davidson County, and 4 miles above mouth.
6,480	.1	13	Lat 35°52'05", long 79°59'31", 500 ft below bridge 2½ miles south of Trinity, Randolph County, 9 miles above Little Uwharrie River.
14,100	.3	44	Lat 35°47'20", long 79°59'50", at bridge on Secondary Road 1548, 3 miles above Little Uwharrie River and 12-1¼ miles northwest of Asheboro, Randolph County.
28,600	1.1	150	Lat 35°39'45", long 79°57'55", 1 mile northeast of Farmer, Randolph County, and 1 mile above Caraway Creek.
4,110	0	6.8	Lat 35°46'30", long 79°57'05", at bridge on Secondary Road 1539, 2½ miles above mouth and 8½ miles northwest of Asheboro, Randolph County.
14,500	.2	47	Lat 35°43'42", long 79°56'14", at bridge on U.S. Highway 64, 1½ miles below Little Caraway Creek and 7 miles west of Asheboro, Randolph County.
4,410	.1	8.8	Lat 35°45'50", long 79°50'35", at bridge on Secondary Road 1504, 3 miles above Long Branch and 4 miles west of Central Falls, Randolph County.
12,500	(*)	39	Lat 35°41'16", long 79°56'04", at bridge on Secondary Road 1318, 3¼ mile above mouth and 6 miles west of Asheboro, Randolph County.
6,910	0	20	Lat 35°38'25", long 79°58'46", at bridge on State Highway 49, 1 mile south of Farmer, Randolph County, and 1½ miles above mouth.
31,700	(*)	410	Lat 35°25'47", long 80°01'05", at State Highway 109, 1 mile above McLeans Creek and 3 miles south of Eldorado, Montgomery County.
6,300	1.4	15	Lat 35°21'48", long 80°06'57", at bridge on Secondary Road 1720, 0.2 mile above Little Mountain Creek and 4¾ miles east of Albemarle, Stanly County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PEE DEE RIVER BASIN--Continued			
410	2-1236.32	Little Mountain Creek near Albemarle, N.C.	0	9-56 to 9-61	10.1
411	2-1237.72	Clarks Creek near Mount Gilead, N.C...	0	8-57 to 9-61	22.0
412	2-1240.8	Clarke Creek near Harrisburg, N.C.....	0	4-67 to 9-67	21.8
413	2-1241.1	Rocky River near Roberta Mill, N.C....	0	6-56 to 6-58	87.9
414	2-1241.6	Mallard Creek at Harrisburg, N.C.....	0	10-54 to 9-61	41.2
415	2-1241.83	Rocky River at Harrisburg, N.C.....	M	10-57 to 9-61	136
416	2-1242.3	Coddle Creek near Concord, N.C.....	M	10-52 to 9-61	a57
417	2-1242.37	Coddle Creek near Harrisburg, N.C.....	M	10-57 to 9-58	72.6
418	2-1243.2	Reedy Creek at Rocky River, N.C.....	0	10-54 to 9-61	30.8
419	2-1243.34	Rocky River near Rocky River, N.C.....	M	9-56 to 9-58	276
420	2-1243.68	Irish Buffalo Creek near Concord, N.C.	M	10-57 to 9-58	42.2
421	2-1243.74	Irish Buffalo Creek at Faggarts Crossroads, N.C.	M	10-56 to 9-57	44.7
422	2-1244.2	Rocky River near Concord, N.C.....	M	10-52 to 9-61	402
423	2-1244.6	Dutch Buffalo Creek near Rimer, N.C...	0	4-67 to 8-67	33.1
424	2-1245.24	Dutch Buffalo Creek near Mount Pleasant, N.C.	M	10-56 to 9-61	a65

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B71

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
5,300	1.5	12	Lat 35°22'08", long 80°06'40", at bridge on Secondary Road 1719, $\frac{2}{4}$ mile above mouth and $5\frac{1}{2}$ miles northeast of Albemarle, Stanly County.
7,970	.5	29	Lat 35°14'08", long 80°01'21", at bridge on State Highway 73, $1\frac{3}{4}$ miles northwest of Mount Gilead, Montgomery County, and $3\frac{1}{2}$ miles above mouth.
11,100	1.3	26	Lat 35°24'50", long 80°45'08", at bridge on Secondary Road 1449, 3.0 miles above mouth and $8\frac{1}{2}$ miles northwest of Harrisburg, Cabarrus County.
27,500	8.1	100	Lat 35°21'33", long 80°40'31", at bridge on U.S. Highway 29, 2.2 miles west of Roberta Mill, Cabarrus County, and 3.6 miles above Mallard Creek.
13,500	1.4	49	Lat 35°20'01", long 80°40'06", at bridge on Secondary Road 1300, 0.2 mile above mouth and 1.3 miles northwest of Harrisburg, Cabarrus County.
38,100	6.8	160	Lat 35°19'57", long 80°37'42", at bridge on State Highway 49, 1.8 miles northeast of Harrisburg, Cabarrus County, and 3.9 miles below Mallard Creek.
20,600	6.7	68	Lat 35°24'29", long 80°40'29", at bridge on Secondary Road 1394, below Afton Run, and 5 miles west of Concord, Cabarrus County.
25,300	6.7	87	Lat 35°20'32", long 80°36'45", at bridge on State Highway 49, 2.0 miles above mouth, and 2.7 miles northeast of Harrisburg, Cabarrus County.
11,000	1.6	38	Lat 35°18'12", long 80°35'41", at bridge on Secondary Road 1136, 0.3 mile southeast of Rocky River, Cabarrus County, and 0.4 mile above Caldwell Creek.
35,900	18	390	Lat 35°19'27", long 80°33'40", at bridge on Secondary Road 1132, $1\frac{1}{2}$ miles above Irish Buffalo Creek, and $2\frac{1}{2}$ miles northeast of Rocky River, Cabarrus County.
18,300	(*)	55	Lat 35°21'49", long 80°33'25", at bridge on Secondary Road 1153, 2.7 miles above mouth and 3 miles southeast of Concord, Cabarrus County.
18,400	(*)	58	Lat 35°20'50", long 80°32'52", at bridge on Secondary Road 1132, 1 mile south of Faggarts Crossroads, Cabarrus County, and 1 mile above mouth.
46,200	(*)	560	Lat 35°18'50", long 80°28'45", at bridge on Secondary Road 1006, $\frac{1}{4}$ mile above Dutch Buffalo Creek, and 9 miles southeast of Concord, Cabarrus County.
16,000	1.0	46	Lat 35°26'30", long 80°26'38", at bridge on Secondary Road 1006, 0.4 mile above Black Run Creek and $3\frac{1}{4}$ miles southeast of Rimer, Cabarrus County.
24,800	(*)	91	Lat 35°23'20", long 80°25'28", at bridge on Secondary Road 2610, $\frac{1}{2}$ mile above Adams Creek, and 1 mile southeast of Mount Pleasant, Cabarrus County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PEE DEE RIVER BASIN--Continued			
425	2-1245.48	Adams Creek at Mount Pleasant, N.C....	0	9-56 to 9-61	16.0
426	2-1245.96	Dutch Buffalo Creek at Georgeville, N.C.	M	10-57 to 9-61	a97
427	2-1246.44	Rocky River near Midland, N.C.....	M	10-57 to 9-61	a530
428	2-1247.45	North Fork Crooked Creek near Fair- view, N.C.	0	9-61 to 9-67	a16
429	2-1250	Big Bear Creek near Richfield, N.C....	0	2-55 to 7-67	55.7
430	2-1250.2	Big Bear Creek near Albemarle, N.C....	M	10-51 to 9-67	70.5
431	2-1253.1	Richardson Creek near Wingate, N.C....	0	9-56 to 9-58	a98
432	2-1256.81	Rocky River at Gaddy near Norwood, N.C.	D	10-55 to 9-67	a1,230
433	2-1260	Rocky River near Norwood, N.C.....	D	10-47 to 6-68	a1,370
434	2-1264.83	Brown Creek at Polkton, N.C.....	0	9-61 to 8-66	a72
435	2-1270	Brown Creek near Polkton, N.C.....	0	2-55 to 9-67	110
436	2-1276.13	Little River near Pisgah, N.C.....	0	9-61 to 9-62	24.7
437	2-1280	Little River near Star, N.C.....	0	10-52 to 9-67	105
438	2-1281.01	Little River near Mount Gilead, N.C...	M	10-56 to 9-61	256
439	2-1282.6	Cheek Creek near Pekin, N.C.....	0	8-57 to 9-61	15.4

See footnotes at end of table.

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
9,700	0.5	22	Lat 35°23'13", long 80°26'17", at bridge on Secondary Road 1006, $\frac{3}{4}$ mile above mouth and $\frac{3}{4}$ mile south of Mount Pleasant, Cabarrus County.
31,500	1.7	140	Lat 35°18'51", long 80°27'52", at bridge on State Highway 200, $\frac{1}{4}$ mile west of Georgeville, Cabarrus County, and $\frac{1}{2}$ mile above mouth.
56,900	(*)	660	Lat 35°15'16", long 80°28'22", at bridge on State Highway 27, 2.4 miles northeast of Midland, Cabarrus County, and 5.1 miles below Dutch Buffalo Creek.
6,240	0	22	Lat 35°07', long 80°34', at bridge on Secondary Road 1004, 1 mile above mouth and 2½ miles southwest of Fairview, Union County.
21,800	0	71	Lat 35°20'05", long 80°20'10", at bridge on Secondary Road 1134, 1.8 miles below Running Creek and 10.3 miles southwest of Richfield, Stanly County.
25,600	.1	85	Lat 35°16'49", long 80°18'10", at bridge on State Highway 27, 2½ miles above Stony Run, and 8 miles southwest of Albemarle, Stanly County.
16,000	.8	110	Lat 35°02', long 80°28', at bridge on Secondary Road 1006, $\frac{1}{2}$ mile above Stewarts Creek and 3½ miles north of Wingate, Union County.
96,600	38	1,540	Lat 35°10', long 80°12', at bridge on Secondary Road 1943, $\frac{1}{2}$ mile below Cribbs Creek and 6½ miles southwest of Norwood, Stanly County.
107,000	43	1,720	Lat 35°09', long 80°10', below Lanes Creek, 6 miles southwest of Norwood, Stanly County, and 11-1/4 miles above mouth.
7,340	0	88	Lat 35°00', long 80°12', at bridge on Secondary Road 1250, 1 mile south of Polkton, Anson County, and 1 mile above Little Brown Creek.
15,900	0	130	Lat 35°02', long 80°09', 400 ft below State Highway 742, 3½ miles below Little Brown Creek, 4 miles northeast of Polkton, Anson County.
10,600	0.4	32	Lat 35°33'22", long 79°50'43", at bridge on Secondary Road 1127, 0.1 mile below Reedy Creek and 1.5 miles east of Pisgah, Randolph County.
17,200	1.0	130	Lat 35°23'11", long 79°49'56", at bridge on Secondary Road 1340, above Black Rock Branch and 2.9 miles southwest of Star, Montgomery County.
17,900	(*)	330	Lat 35°11'46", long 79°56'03", at bridge on State Highway 731, 0.8 mile above Susies Creek and 4.0 miles southeast of Mount Gilead, Montgomery County.
4,390	2.0	22	Lat 35°12'37", long 79°50'49", at bridge on State Highway 731, 1.4 miles east of Pekin, Montgomery County, and 5 miles above mouth.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		PEE DEE RIVER BASIN--Continued			
440	2-1289.6	Cartledge Creek near Rockingham, N.C..	0	10-52 to 9-58	30.3
441	2-1290	Pee Dee River near Rockingham, N.C....	D	10-46 to 6-68	a6,870
442	2-1292.4	Falling Creek near Rockingham, N.C....	0	10-52 to 8-58	6.60
443	2-1294.4	South Fork Jones Creek near Morven, N.C.	0	10-52 to 7-58	a17
444	2-1295.7	Marks Creek near Osborne, N.C.....	0	8-54 to 9-58	a29
445	2-1321.5	Gum Swamp Creek near Laurinburg, N.C..	0	10-52 to 7-58	40.1
446	2-1323.2	Big Shoe Heel Creek near Laurinburg, N.C.	0	10-52 to 8-54	81.6
447	2-1328.96	Drowning Creek near Jackson Springs, N.C.	0	10-52 to 9-58	a28
448	2-1335	Drowning Creek near Hoffman, N.C.....	D	10-46 to 9-67	178
449	2-1336.24	Lumber River above Maxton, N.C.....	M	10-54 to 9-55	366
450	2-1336.4	Lumber River near Pembroke, N.C.....	0	10-52 to 9-58	a420
451	2-1340.8	Raft Swamp near Lumberton, N.C.....	0	4-57 to 9-58	a110
452	2-1344.8	Big Swamp near Tarheel, N.C.....	0	10-52 to 10-58	a220
453	2-1345	Lumber River at Boardman, N.C.....	D	10-46 to 9-67	1,220

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B75

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
4,610	0	45	Lat 34°58'37", long 79°51'29", at bridge on Secondary Road 1141, $\frac{1}{2}$ mile above mouth and $5\frac{1}{2}$ miles northwest of Rockingham, Richmond County.
273,000	(*)	7,800	Lat 34°56'46", long 79°52'11", at bridge on U.S. Highway 74, 2.5 miles above Falling Creek and 6 miles west of Rockingham, Richmond County.
1,010	1.9	9.2	Lat 34°56'28", long 79°42'15", at bridge on Secondary Road 1640, 4 miles east of Rockingham, Richmond County, and 5 miles above mouth.
4,610	0	23	Lat 34°51', long 80°06', at bridge on State Highway 742, $5\frac{1}{4}$ miles west of Morven, Anson County, and $9\frac{3}{4}$ miles above mouth.
2,260	3.2	41	Lat 34°50', long 79°48', at bridge on Secondary Road 1104, $3\frac{1}{2}$ miles northwest of Osborne, Richmond County, and 9 miles above mouth.
2,490	23	48	Lat 34°51'12", long 79°31'28", at bridge on Secondary Road 1323, 2.1 miles above Upper Beaverdam Creek and $6\frac{1}{2}$ miles northwest of Laurinburg, Scotland County.
3,060	19	90	Lat 34°45'01", long 79°23'12", at bridge on U.S. Highway 74, $2\frac{1}{2}$ miles below Jordan Creek and $4\frac{1}{2}$ miles southeast of Laurinburg, Scotland County.
6,190	6.4	45	Lat 35°12'20", long 79°39'43", at bridge on Secondary Road 1524, 2.1 miles west of Jackson Springs, Moore County, and 4.4 miles above Jackson Creek.
4,310	49	280	Lat 35°03'38", long 79°29'39", at bridge on U.S. Highway 1, $\frac{3}{4}$ mile below Deep Creek and 4 miles northeast of Hoffman, Richmond County.
8,110	110	370	Lat 34°46'22", long 79°19'55", at bridge on State Highway 71, 2.6 miles north of Maxton, Robeson County, and 7.5 miles above Gum Swamp.
9,140	135	380	Lat 34°42', long 79°15', at bridge on Secondary Road 1354, $\frac{1}{2}$ mile below Gum Swamp and $3\frac{1}{2}$ miles west of Pembroke, Robeson County.
4,220	4.3	86	Lat 34°43', long 79°05', at bridge on State Highway 211, $1\frac{3}{4}$ miles above Richland Swamp and 6 miles northwest of Lumberton, Robeson County.
5,930	7.1	200	Lat 34°41'18", long 78°50'14", at bridge on Secondary Road 1004, in Robeson County, $2\frac{1}{2}$ miles above Goodman Swamp and $2\frac{3}{4}$ miles southwest of Tarheel.
22,100	160	1,330	Lat 34°26'32", long 78°57'38", at bridge on U.S. Highway 74, 1 mile below Atlantic Coast Line Railroad bridge at Boardman, Columbus County, and $1\frac{1}{2}$ miles below Big Swamp.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		SANTEE RIVER BASIN			
454	2-1370	Mill Creek at Old Fort, N.C.....	0	7-60 to 1-67	20.7
455	2-1374.6	Curtis Creek near Old Fort, N.C.....	0	11-52 to 7-56	a17
456	2-1375	Catawba River near Old Fort, N.C.....	0	7-53 to 7-56	57.1
457	2-1375.3	Crooked Creek near Old Fort, N.C.....	0	4-67 to 9-67	a35
458	2-1380	Catawba River near Marion, N.C.....	D	10-45 to 5-68	171
459	2-1380.4	North Fork Catawba River at Pitts, N.C.	0	5-53 to 10-56	33.2
460	2-1380.7	Armstrong Creek at Sevier, N.C.....	0	4-57 to 6-59	a30
461	2-1383.4	Mill Timber Creek at Crossnore, N.C...	0	4-57 to 6-59	4.01
462	2-1385	Linville River at Branch, N.C.....	0	9-54 to 1-67	67.2
463	2-1387.2	North Muddy Creek near Nebo, N.C.....	0	4-57 to 9-67	44.6
464	2-1387.7	South Muddy Creek near Bridgewater, N.C.	0	4-57 to 7-59	33.5
465	2-1388.1	Muddy Creek at Bridgewater, N.C.....	0	11-52 to 10-56	97.8
466	2-1391.2	Silver Creek near Glen Alpine, N.C....	0	11-52 to 8-56	26.3
467	2-1392	Bailey Fork near Morganton, N.C.....	0	12-66 to 9-67	7.86
468	2-1393.9	Warrior Fork near Morganton, N.C.....	0	9-54 to 6-59	80.0

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B77

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
6,050	(*)	39	Lat 35°38'00", long 82°11'15", 0.5 mile northwest of Old Fort, McDowell County, 0.5 mile below Jarrett Creek, and 1.1 miles above mouth.
6,190	4.0	40	Lat 35°38'43", long 82°09'31", at bridge on U.S. Highway 70, 0.7 mile above mouth, and 1.7 miles northeast of Old Fort, McDowell County.
11,900	15	110	Lat 35°38'13", long 82°08'38", at bridge on Secondary Road 1234, 0.9 mile below Curtis Creek, and 2.2 miles east of Old Fort, McDowell County.
8,830	14	77	Lat 35°38'39", long 82°06'38", at mouth, and 4.1 miles northeast of Old Fort, McDowell County.
26,600	50	340	Lat 35°42'26", long 82°02'00", at bridge on U.S. Highway 221, 0.4 mile below Tom Creek, and 2.1 miles northwest of Marion, McDowell County, at mile 294.
12,100	4.0	73	Lat 35°50'00", long 82°00'10", at bridge on Secondary Road 1573, at Pitts, McDowell County, and $\frac{3}{4}$ mile below Honeycutt Creek.
13,500	8.9	65	Lat 35°48', long 82°01', at bridge on Secondary Road 1556, above mouth and 1 mile southwest of Sevier, McDowell County.
3,900	1.7	9.2	Lat 36°01'17", long 81°55'14", at bridge on Secondary Road 1524, at Crossnore, Avery County, and $\frac{3}{4}$ mile above mouth.
23,300	17	170	Lat 35°47'41", long 81°53'25", at bridge on State Highway 126 at Branch, Burke County, 0.2 mile below Sandy Branch.
5,860	12	85	Lat 35°40'30", long 81°54'23", at bridge on Secondary Road 1747, 1.9 miles below Caleb Branch, and 3.2 miles southeast of Nebo, McDowell County.
4,410	14	60	Lat 35°38'59", long 81°51'18", at bridge on Secondary Road 1764, below Long Branch, and 4.6 miles south of Bridgewater, McDowell County.
7,870	31	180	Lat 35°42'38", long 81°51'20", at bridge on U.S. Highway 70, 0.5 mile south of Bridgewater, Burke County, and 0.7 mile above mouth.
4,990	9.3	47	Lat 35°41'52", long 81°45'47", at bridge on Secondary Road 1149, 0.4 miles above Clear Creek, and 2.3 miles southeast of Glen Alpine, Burke County.
3,270	3.6	14	Lat 35°43'11", long 81°43'30", at bridge on Secondary Road 1102, 0.7 mile above mouth, and 2.8 miles southwest of Courthouse in Morganton, Burke County.
16,500	16	140	Lat 35°47'49", long 81°43'08", at bridge on Secondary Road 1440, 2-1/4 miles above mouth and 4 miles northwest of Morganton, Burke County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		Santee River Basin--Continued			
469	2-1396.05	Hunting Creek near Chambers, N.C.....	0	4-67 to 9-67	4.95
470	2-1396.5	East Prong near Morganton, N.C.....	0	12-66 to 9-67	8.94
471	2-1402.6	Mulberry Creek near Collettsville, N.C.	0	4-67 to 9-67	39.6
472	2-1405	Wilson Creek near Adako, N.C.....	0	9-54 to 6-58	65.0
473	2-1411.1	Lower Creek at Lenoir, N.C.....	0	11-52 to 8-56	a13
474	2-1411.5	Lower Creek at Mulberry Street, Lenoir, N.C.	0	1-67 to 9-67	a32
475	2-1412.3	Husband Creek at Gamewell, N.C.....	0	4-67 to 9-67	8.25
476	2-1412.45	Lower Creek near Morganton, N.C.....	0	4-67 to 9-67	86.6
477	2-1415.6	Drowning Creek near Hildebran, N.C....	0	4-57 to 6-59	a15
478	2-1416.7	Gunpowder Creek at Hudson, N.C.....	0	4-67 to 9-67	a13
479	2-1418.9	Duck Creek near Taylorsville, N.C.....	0	10-66 to 9-67	a19
480	2-1419.2	Middle Little River near Taylorsville, N.C.	0	9-55 to 6-58	a46
481	2-1420	Lower Little River near All Healing Springs, N.C.	0	9-55 to 7-67	31.2
482	2-1420.6	Lower Little River near Taylorsville, N.C.	0	11-52 to 8-56	a61
483	2-1423.8	Glade Creek at Millersville, N.C.....	0	4-57 to 6-59	a13

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B79

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
.....	(*)	8.9	Lat 35°42'21", long 81°40'43", at bridge on Secondary Road 1940, 1-1/4 miles northeast of Chambers, Burke County, and 3 ² / ₅ miles above East Prong.
.....	(*)	16	Lat 35°44'29", long 81°39'39", below bridge on Secondary Road 1704, 0.5 mile above mouth, and 1.4 miles east of Courthouse in Morganton, Burke County.
9,500	8.3	75	Lat 35°55'43", long 81°39'36", at bridge on Secondary Road 1310, 1 mile northeast of Collettsville, Caldwell County, and 1 mile above mouth.
20,600	21	140	Lat 35°55'10", long 81°44'00", 2½ miles northwest of Adako, Caldwell County, 3 miles above mouth.
.....	2.7	21	Lat 35°54'33", long 81°31'35", at bridge on U.S. Highway 321, at Lenoir, Caldwell County, and 0.2 mile above Zacks Fork Creek.
.....	6.4	51	Lat 35°54'20", long 81°31'59", at bridge on Mulberry Street, 0.2 mile below Zacks Fork Creek, and 0.8 mile southeast of Courthouse in Lenoir, Caldwell County.
2,630	2.4	14	Lat 35°51'38", long 81°37'33", at bridge on Secondary Road 1325, 0.3 mile above Celia Creek, and 1.6 miles southwest of Gamewell, Caldwell County.
13,700	22	150	Lat 35°49'31", long 81°38'10", at bridge on Secondary Road 1501, 2 ³ / ₄ mile below Husband Creek and 7 miles northeast of Morganton, Burke County.
7,100	5.9	24	Lat 35°45', long 81°25', at bridge on Secondary Road 1647, 1-1/4 miles above mouth and 2½ miles northeast of Hildebran, Burke County.
4,940	4.2	21	Lat 35°51', long 81°28', at bridge on Secondary Road 1127, 1 mile east of Hudson, Caldwell County, and 5-1/4 miles above Little Gunpowder Creek.
5,040	6.0	28	Lat 35°54', long 81°18', at bridge on State Highway 127, 1 mile above mouth and 8 miles west of Taylorsville, Alexander County.
9,120	(*)	69	Lat 35°52', long 81°17', at bridge on Secondary Road 1153, 5½ miles above mouth and 7 ² / ₄ miles southwest of Taylorsville, Alexander County.
6,340	7.0	41	Lat 35°57', long 81°14', at bridge ½ mile above Lambert Fork, 2-1/4 miles northeast of All Healing Springs, Alexander County.
9,790	15	92	Lat 35°55', long 81°13', at bridge on State Highway 90, 1 mile above Spring Creek and 2 miles west of Taylorsville, Alexander County.
3,690	3.7	19	Lat 35°51', long 81°11', at bridge on Secondary Road 1610, ¼ mile above mouth and ¼ mile east of Millersville, Alexander County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		SANTEE RIVER BASIN--Continued			
484	2-1424.1	Elk Shoals Creek near Paynes Store, N.C.	0	4-67 to 9-67	a13
485	2-1424.41	Catawba River at Lookout Shoals Dam, N.C.	D	10-61 to 9-67	a1,450
486	2-1424.9	Lyle Creek at Catawba, N.C.....	0	12-52 to 10-56	a71
487	2-1425	Catawba River at Catawba, N.C.....	D	10-45 to 1-63	1,535
488	2-1425.64	South Fork Mountain Creek near Catawba, N.C.	0	8-57 to 10-61	a7.2
489	2-1425.76	North Fork Mountain Creek near Catawba, N.C.	0	8-57 to 10-61	a8.0
490	2-1426	Mountain Creek near Terrell, N.C.....	0	8-56 to 2-62	42.4
491	2-1426.06	Little Creek near Denver, N.C.....	0	8-57 to 10-61	a3.8
492	2-1426.18	Border Creek near Triangle, N.C.....	0	8-57 to 10-61	a5.4
493	2-1426.4	Davidson Creek near Cornelius, N.C....	0	4-50 to 8-57	a38
494	2-1426.54	McDowell Creek near Huntersville, N.C.	0	8-57 to 10-61	10.1
495	2-1426.6	McDowell Creek near Charlotte, N.C....	0	4-67 to 9-67	26.3
496	2-1426.84	Leepers Creek near Lincolnton, N.C....	0	8-57 to 10-61	a19
497	2-1427.04	Ballard Creek near Triangle, N.C.....	0	9-57 to 10-61	a5.9
498	2-1427.1	Killian Creek near Lowesville, N.C....	0	6-59 to 10-61	a47
499	2-1427.2	Dutchmans Creek near Stanley, N.C.....	0	10-52 to 8-57	a110

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B81

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
4,300	4.8	19	Lat 35°49', long 81°06', at bridge on Secondary Road 1605, 1 $\frac{3}{4}$ miles above mouth and 4 $\frac{1}{2}$ miles southeast of Paynes Store, Alexander County.
110,000	(*)	2,030	Lat 35°46', long 81°06', at Lookout Shoals Dam, and 4 $\frac{1}{2}$ miles north of Catawba, Catawba County.
15,800	19	99	Lat 35°43', long 81°05', at bridge on State Highway 10, $\frac{1}{2}$ mile north of Catawba, Catawba County, and 1 mile above mouth.
114,000	(*)	2,150	Lat 35°43', long 81°04', at bridge on U.S. Highway 70, $\frac{1}{2}$ mile above Lyle Creek and 1 mile northeast of Catawba, Catawba County.
3,500	1.0	10	Lat 35°36', long 81°04', at bridge on Secondary Road 1815, 1 $\frac{3}{4}$ miles above mouth and 7 miles south of Catawba, Catawba County.
3,800	2.1	11	Lat 35°37', long 81°03', at bridge on Secondary Road 1817, 1 mile above south Fork and 6 miles south of Catawba, Catawba County.
11,100	6.7	53	Lat 35°34', long 81°00', at bridge 1 $\frac{3}{4}$ miles southwest of Terrell, Catawba County, 2 $\frac{1}{2}$ miles above mouth.
2,420	.3	4.5	Lat 35°33', long 80°59', at bridge on Secondary Road 1376, 2 miles above mouth and 2 $\frac{3}{4}$ miles northeast of Denver, Lincoln County.
3,350	.1	6.5	Lat 35°29'25", long 80°57'13", at bridge on State Highway 73, 0.5 mile above mouth and 2.7 miles east of Triangle, Lincoln County.
13,000	3.0	45	Lat 35°29'22", long 80°56'04", at bridge on State Highway 73, 0.7 mile above mouth and 4.5 miles west of Cornelius, Mecklenburg County.
5,400	.7	10	Lat 35°24'26", long 80°53'26", at bridge on Secondary Road 2136, 0.2 mile above Torrence Creek and 2.7 miles west of Huntersville, Mecklenburg County.
10,200	1.8	32	Lat 35°23'22", long 80°55'16", at bridge on Beatty Ford Road, 2.1 miles below Torrence Creek and 11 $\frac{1}{2}$ miles north of Charlotte, Mecklenburg County.
6,700	3.0	25	Lat 35°30'00", long 81°08'50", at bridge on Secondary Road 1354, 1 $\frac{1}{2}$ miles above Lick Run and 6 $\frac{1}{2}$ miles northeast of Lincolnton, Lincoln County.
3,100	.9	8.2	Lat 35°29'30", long 80°05'00", at bridge on Secondary Road 1382, 1 mile above mouth and 4-3/4 miles west of Triangle, Lincoln County.
13,600	4.0	57	Lat 35°25'00", long 81°01'40", at bridge on State Highway 273, 1 mile west of Lowesville, Lincoln County, and 2 $\frac{1}{2}$ miles above mouth.
23,000	11	130	Lat 35°22'00", long 81°02'00", at bridge on Secondary Road 1905, 1-1/4 miles below Killian Creek and 3 miles east of Stanley, Gaston County.

Table 2.--Description of stations at which more than

No on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		SANTEE RIVER BASIN--Continued			
500	2-1427.72	South Stanley Creek near Mount Holly, N.C.	0	8-57 to 10-61	a4.4
501	2-1429	Long Creek near Paw Creek, N.C.....	0	5-65 to 12-66	16.1
502	2-1429.1	Long Creek near Thrift, N.C.....	0	8-57 to 9-67	22.0
503	2-1430	Henry Fork near Henry River, N.C.....	M	10-53 to 7-67	a80
504	2-1430.4	Jacob Fork at Ramsey, N.C.....	0	7-61 to 7-67	25.4
505	2-1430.76	Pott Creek near Lincolnton, N.C.....	0	8-57 to 8-63	a27
506	2-1431.8	Maiden Creek at Maiden, N.C.....	0	4-57 to 6-59	a14
507	2-1432.6	Clark Creek at Lincolnton, N.C.....	0	10-52 to 8-63	a92
508	2-1432.84	South Fork Catawba River at Lincoln- ton, N.C.	M	10-50 to 9-51	392
509	2-1434.4	Indian Creek near Flay, N.C.....	0	6-59 to 10-63	a26
510	2-1435	Indian Creek near Laboratory, N.C.....	M	10-51 to 6-67	68.4
511	2-1435.31	Beaverdam Creek near Cherryville, N.C.	0	8-57 to 10-61	a3.3
512	2-1435.45	Little Beaverdam Creek near Cherry- ville, N.C.	0	8-57 to 4-67	a5.6
513	2-1436.01	Beaverdam Creek near High Shoals, N.C.	0	8-57 to 6-59	a23
514	2-1437.81	Little Hoyle Creek near Alexis, N.C....	0	8-57 to 10-61	a3.3

See footnotes at end of table.

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
2,450	0.2	5.3	Lat 35°19'10", long 80°01'50", at bridge on Secondary Road 1923, $\frac{1}{2}$ mile above mouth and 2 miles northwest of Mount Holly, Gaston County.
7,060	.6	19	Lat 35°19'42", long 80°54'35", at bridge on Secondary Road 2042, 1.2 miles above Gutter Branch and $3\frac{3}{4}$ miles northeast of Paw Creek, Mecklenburg County.
8,300	.9	26	Lat 35°18'53", long 80°56'38", at bridge on State Highway 16, 1.0 mile above Gum Branch and 2.5 miles northwest of Thrift, Mecklenburg County.
22,500	(*)	150	Lat 35°41', long 81°24', below bridge on Secondary Road 1124, 2 miles southeast of Henry River, and $4\frac{1}{2}$ miles below Tims Creek, Catawba County.
9,170	5.4	41	Lat 35°35'26", long 81°34'02", at bridge on Secondary Road 1924, 0.6 mile northwest of Ramsey, Burke County, 0.7 mile below Queens Creek.
9,600	6.6	38	Lat 35°32', long 81°18', at bridge on Secondary Road 1008, $\frac{1}{2}$ mile above mouth and $4\frac{1}{2}$ miles north of Lincolnton, Lincoln County.
6,240	4.2	20	Lat 35°35', long 81°12', at bridge on U.S. Highway 321, $\frac{1}{4}$ mile above Pinch Gut Creek and $\frac{3}{4}$ mile north of Maiden, Catawba County.
19,700	17	130	Lat 35°28'30", long 81°16'00", at bridge on Secondary Road 1008, at Lincolnton, Lincoln County, and $\frac{1}{4}$ mile above mouth.
45,200	(*)	640	Lat 35°27'20", long 81°15'40", at Madison Street bridge at Lincolnton, Lincoln County, and $\frac{1}{4}$ mile above Seaboard Air Line Railroad.
8,350	6.8	37	Lat 35°27'50", long 81°23'50", at bridge on Secondary Road 1140, $2\frac{1}{4}$ miles east of Flay, Lincoln County, and $4\frac{3}{4}$ miles above Mill Creek.
13,700	12	96	Lat 35°25'20", long 81°15'50", $\frac{1}{2}$ mile above bridge on Secondary Road 1252, $1\frac{1}{2}$ miles above mouth, and $1\frac{1}{2}$ miles south of Laboratory, Lincoln County.
1,480	(*)	4.6	Lat 35°22'40", long 81°20'30", at bridge on State Highway 277, $2\frac{1}{4}$ miles east of Cherryville, Gaston County, and 4 miles above Little Beaverdam Creek.
2,160	.4	7.8	Lat 35°22'40", long 81°17'40", at bridge on Secondary Road 1624, $\frac{3}{4}$ mile above mouth and $4\frac{3}{4}$ miles east of Cherryville, Gaston County.
5,860	3.2	32	Lat 35°24'20", long 81°14'40", at bridge on Secondary Road 1609, $1\frac{1}{4}$ miles above mouth and $2\frac{1}{2}$ miles west of High Shoals, Gaston County.
2,060	.6	3.9	Lat 35°22'00", long 81°08'00", at bridge on Secondary Road 1823, $\frac{3}{4}$ mile above mouth and $2\frac{1}{2}$ miles southwest of Alexis, Gaston County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		SANTEE RIVER BASIN--Continued			
515	2-1439.08	South Fork Catawba River near Stanley, N.C.	M	10-61 to 9-67	a560
516	2-1439.6	Long Creek at Bessemer City, N.C.....	0	10-66 to 9-67	a10
517	2-1440	Long Creek near Bessemer City, N.C....	0	5-55 to 6-67	31.4
518	2-1450	South Fork Catawba River at Lowell, N.C.	D	10-49 to 6-67	630
519	2-1452.72	Duharts Creek at Cramerton, N.C.....	0	4-54 to 10-61	a7.6
520	2-1456.1	Crowders Creek near Gastonia, N.C.....	M	12-52 to 10-61	a71
521	2-1462.3	Irwin Creek at Charlotte, N.C.....	0	8-57 to 6-66	9.26
522	2-1463	Irwin Creek near Charlotte, N.C.....	0	10-61 to 6-67	30.5
523	2-1463.08	Taggart Creek near Charlotte, N.C.....	0	8-57 to 10-61	4.18
524	2-1463.48	Coffey Creek near Charlotte, N.C.....	0	10-61 to 8-67	9.19
525	2-1464.3	Briar Creek at Charlotte, N.C.....	0	8-57 to 12-65	5.90
526	2-1464.5	Briar Creek at Sharon Road, Charlotte, N.C.	0	7-63 to 6-67	18.5
527	2-1464.61	Briar Creek near Charlotte, N.C.....	0	6-65 to 12-65	21.4
528	2-1465	Little Sugar Creek near Charlotte, N.C.	M	4-55 to 6-67	41.0
529	2-1466	McAlpine Creek at Sardis Road, near Charlotte, N.C.	0	7-62 to 1-67	38.3

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B85

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
59,300	(*)	780	Lat 35°19'50", long 81°08'00", at bridge on State Highway 275, 0.1 mile below Hoyle Creek, and 3 miles southwest of Stanley, Gaston County.
3,060	1.3	14	Lat 35°18'00", long 81°18'40", at bridge on Secondary Road 1405, $\frac{1}{4}$ mile above State Highway 274 and 2 miles northwest of Bessemer City, Gaston County.
7,300	(*)	39	Lat 35°18'20", long 81°14'00", above bridge on Secondary Road 1456, and 2 miles northeast of Bessemer City, 8-1/4 miles above mouth.
63,100	(*)	890	Lat 35°17'10", long 81°06'00", below Housers Creek, and 1 mile north of Lowell, Gaston County.
3,100	1.1	9.1	Lat 35°14'33", long 81°05'37", at bridge on Secondary Road 2209, 1.0 mile west of school in Cramerton, Gaston County, and 1.6 miles above mouth.
12,200	8.9	85	Lat 35°10'09", long 81°11'44", at bridge on U.S. Highway 321, 0.1 mile below South Fork and 6½ miles south of Gastonia, Gaston County.
.....	(*)	11	Lat 35°15'35", long 80°50'25", at bridge on Newland Road, 0.2 mile below U. S. Highway 21, in Charlotte, Mecklenburg County, and 3.1 miles above mouth.
.....	(*)	37	Lat 35°11'50", long 80°54'20", above sewage treatment plant at Charlotte, Mecklenburg County, 0.7 mile above Taggart Creek.
.....	.2	5.0	Lat 35°12'56", long 80°55'24", at bridge on State Highway 160, 1.9 miles above mouth and 4.6 miles west of Charlotte, Mecklenburg County.
.....	.2	11	Lat 35°08'43", long 80°55'37", at bridge on State Highway 49, 1.2 miles above mouth and 7.5 miles southwest of Charlotte, Mecklenburg County.
.....	.4	7.1	Lat 35°14'05", long 80°46'19", at bridge on Shamrock Road, 0.5 mile below Norfolk Southern Railway and 4.2 miles east of Charlotte, Mecklenburg County.
.....	1.3	22	Lat 35°10'47", long 80°49'46", at bridge on Sharon Road, 2.6 miles above mouth and 3.5 miles southeast of Post Office in Charlotte, Mecklenburg County.
.....	1.5	26	Lat 35°09'30", long 80°50'56", at bridge on Secondary Road 3686, 0.2 mile above mouth and 4.9 miles south of Charlotte, Mecklenburg County.
.....	(*)	55	Lat 35°09'13", long 80°51'18", at bridge on Tyvola Road, 0.2 mile below Little Hope Creek and 4.9 miles south of Charlotte, Mecklenburg County, at mile 8.8.
.....	(*)	50	Lat 35°08'13", long 80°46'06", at bridge on Sardis Road, 1.8 miles below Irvins Creek and 7.7 miles southeast of Charlotte Post Office, Mecklenburg County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		SANTEE RIVER BASIN--Continued			
530	2-1466.36	McAlpine Creek near Charlotte, N.C....	0	6-65 to 6-67	a50
531	2-1466.7	Fourmile Creek near Pineville, N.C....	0	8-57 to 9-67	a18
532	2-1467	McMullen Creek at Sharon View Road, near Charlotte, N.C.	0	7-62 to 6-67	6.98
533	2-1467.34	McMullen Creek near Pineville, N.C....	0	8-57 to 10-61	a14
534	2-1467.6	McAlpine Creek near Pineville, N.C....	0	10-52 to 10-61	91.7
535	2-1468.54	Sixmile Creek near Matthews, N.C.....	0	8-57 to 10-61	a5.5
536	2-1469	Twelve Mile Creek near Waxhaw, N.C....	0	10-52 to 7-67	72.4
537	2-1471.26	Waxhaw Creek near Waxhaw, N.C.....	0	9-61 to 10-61	a37
538	2-1485	Broad River near Chimney Rock, N.C....	0	4-55 to 9-58	97.0
539	2-1488.2	Cove Creek near Whitehouse, N.C.....	0	8-63 to 9-67	a33
540	2-1490	Cove Creek near Lake Lure, N.C.....	0	11-52 to 1-67	77.0
541	2-1492.4	Mountain Creek near Rutherfordton, N.C.	0	11-52 to 7-59	40.7
542	2-1493.77	Broad River near Rutherfordton, N.C...	0	8-57 to 6-68	a270
543	2-1498.6	Walnut Creek near Rock Springs, N.C...	0	8-63 to 4-67	a12
544	2-1500	Green River near Mill Spring, N.C.....	M	10-48 to 9-49	174

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B87

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
.....	(*)	64	Lat 35°05'50", long 80°49'20", at bridge on Secondary Road 3652, 2 $\frac{1}{4}$ miles above Fourmile Creek and 9 miles south of Charlotte, Mecklenburg County.
6,290	.2	23	Lat 35°04'30", long 80°49'20", at bridge on Secondary Road 3649, 1 mile above mouth and 4 miles east of Pineville, Mecklenburg County.
.....	(*)	9.1	Lat 35°08'27", long 80°49'13", at bridge on Sharon View Road (Secondary Road 3673), 6.3 miles southeast of Post Office in Charlotte, Mecklenburg County, and 6.8 miles above mouth.
.....	(*)	16	Lat 35°05'10", long 80°51'20", at bridge on State Highway 51, 1 $\frac{1}{4}$ miles above mouth and 2 miles east of Pineville, Mecklenburg County.
.....	(*)	110	Lat 35°03'40", long 80°52'40", at bridge on U.S. Highway 521, 1 mile below McMullen Creek and 2 miles south of Pineville, Mecklenburg County.
2,900	0	7.1	Lat 35°02'10", long 80°46'00", at bridge on State Highway 16, 2-1/4 miles above Flat Branch and 7-1/4 miles southwest of Matthews, Mecklenburg County.
15,100	0	100	Lat 34°57', long 80°45', at bridge on State Highway 16, 0.1 mile below West Fork, 2 $\frac{1}{2}$ miles north of Waxhaw, Union County.
8,880	0	52	Lat 34°50', long 80°47', at bridge on Secondary Road 1103, 6 miles above mouth and 6 $\frac{1}{2}$ miles south of Waxhaw, Union County.
.....	(*)	160	Lat 35°25'29", long 82°10'54", 1,000 ft below Lake Lure Dam, 3 miles east of Chimney Rock, Rutherford County, at mile 161.
4,550	13	49	Lat 35°30', long 82°05', at bridge on Secondary Road 1001, above Otter Creek and 2 miles south of Whitehouse, Rutherford County.
9,260	29	120	Lat 35°25'24", long 82°06'42", at bridge on U.S. Highway 64, 1 mile above mouth, 5 miles east of Lake Lure, Rutherford County.
6,920	17	63	Lat 35°20'31", long 82°00'39", at bridge on State Highway 108, 1 $\frac{3}{4}$ miles below Maple Creek and 3 miles southwest of Rutherfordton, Rutherford County.
.....	(*)	460	Lat 35°18', long 82°00', at bridge on Secondary Road 1005, 1/4 mile below Cleghorn Creek, and 5 $\frac{3}{4}$ miles south of Rutherfordton, Rutherford County.
2,930	5.2	20	Lat 35°22'29", long 82°07'52", at bridge on Secondary Road 1311, 1 $\frac{1}{2}$ miles south of Rock Springs, Polk County, and 3 miles above mouth.
.....	(*)	350	Lat 35°20'10", long 82°04'55", 2 miles below Walnut Creek, 5-1/4 miles northeast of Mill Spring, Polk County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		SANTEE RIVER BASIN--Continued			
545	2-1500.4	White Oak Creek near Collinsville, N.C.	0	6-56 to 8-63	37.1
546	2-1502.6	Floyds Creek near Cliffside, N.C.....	0	10-54 to 7-59	a28
547	2-1504.6	Cane Creek near Westminster, N.C.....	0	10-66 to 9-67	a25
548	2-1507.4	Second Broad River near Bostic, N.C...	0	11-52 to 12-55	a170
549	2-1510	Second Broad River at Cliffside, N.C..	D	10-48 to 5-68	211
550	2-1515	Broad River near Boiling Springs, N.C.	D	10-45 to 9-67	864
551	2-1521	First Broad River near Casar, N.C.....	0	11-52 to 7-67	59.5
552	2-1524.45	Knob Creek near Lawndale, N.C.....	0	10-66 to 9-67	33.2
553	2-1525	First Broad River near Lawndale, N.C..	D	10-48 to 7-67	198
554	2-1525.8	Brushy Creek at U.S. Highway 74 near Shelby, N.C.	0	10-66 to 9-67	27.6
555	2-1532.8	Buffalo Creek near Waco, N.C.....	0	12-52 to 12-56	a44
556	2-1533.2	Muddy Fork near Oak Grove, N.C.....	0	10-66 to 9-67	a32
557	2-1533.65	Long Branch at Mouth near Grover, N.C.	0	10-66 to 9-67	a6.3
558	2-1540	North Pacolet River near Tryon, N.C...	0	11-52 to 12-55	43.6
		SAVANNAH RIVER BASIN			
559	2-1842.4	Horsepasture River near Sapphire, N.C.	0	12-63 to 5-67	21.0

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B89

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
6,210	16	59	Lat 35°16'07", long 82°02'48", at bridge on Secondary Road 1005, 1-1/4 miles above Mill Creek and 4 $\frac{3}{4}$ miles northeast of Collinsville, Polk County.
6,730	7.8	41	Lat 35°13'05", long 81°50'56", at bridge on Secondary Road 1116, 1-1/4 miles above mouth and 5 miles southeast of Cliffside, Rutherford County.
4,100	6.7	37	Lat 35°27', long 81°53', at bridge on Secondary Road 1007, $\frac{1}{2}$ mile southeast of Westminster, Rutherford County, and 1 $\frac{1}{2}$ miles above mouth.
19,300	44	250	Lat 35°21', long 81°51', at bridge on Secondary Road 1576, 1 mile below Robinson Creek and 1 mile southwest of Bostic, Rutherford County.
22,400	56	320	Lat 35°14'08", long 81°45'57", 1/4 mile below dam at Cliffside, Rutherford County, and 1 $\frac{1}{2}$ miles above mouth.
60,000	(*)	1,550	Lat 35°12'40", long 81°41'50", $\frac{1}{2}$ mile above Sandy Run Creek, and 3 $\frac{1}{2}$ miles southwest of Boiling Springs, Cleveland County.
7,440	14	91	Lat 35°29'35", long 81°40'56", 350 ft above bridge, $\frac{1}{2}$ mile above No Business Creek, 4 miles southwest of Casar, Cleveland County.
5,780	13	46	Lat 35°26'53", long 81°34'10", at bridge on Secondary Road 1641, 2 $\frac{1}{2}$ miles north of Lawndale, Cleveland County, and 2.5 miles above mouth.
29,300	54	300	Lat 35°22'50", long 81°32'40", 1/4 mile above Shoal Rock Creek, and 2 $\frac{1}{2}$ miles southeast of Lawndale, Cleveland County.
7,480	7.7	39	Lat 35°19'08", long 81°34'45", at bridge on U.S. Highway 74, 0.7 mile west of Shelby, Cleveland County, and 1 mile above mouth.
5,850	6.3	61	Lat 35°20'50", long 81°28'50", at bridge on Secondary Road 1908, 1 $\frac{1}{4}$ miles above Long Creek and 3 miles southwest of Waco, Cleveland County.
4,710	5.3	45	Lat 35°16'20", long 81°26'40", at bridge on Secondary Road 2033, 1-1/4 miles west of Oak Grove, Cleveland County, and 1 $\frac{1}{2}$ miles above Pilot Branch.
1,710	2.2	8.8	Lat 35°13'20", long 81°27'20", at mouth, and 3 $\frac{1}{2}$ miles north of Grover, Cleveland County.
5,660	21	89	Lat 35°13', long 82°12', below Horse Creek and 3 miles east of Tryon, Polk County.
5,610	7.7	84	Lat 35°06'23", long 82°59'18", above bridge on Secondary Road 1152, below Rock Creek and 0.9 mile east of Sapphire, Transylvania County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		KANAWHA RIVER BASIN			
560	3-1601.1	Middle Fork South Fork New River near Blowing Rock, N.C.	0	10-52 to 7-54	8.93
561	3-1603.1	Howard Creek at Sands, N.C.....	0	8-57 to 9-59	a10
562	3-1608.7	Beaver Creek near Othello, N.C.....	0	4-67 to 9-67	a17
563	3-1610	South Fork New River near Jefferson, N.C.	D	10-49 to 5-68	207
564	3-1618.8	North Fork New River at Creston, N.C..	0	10-52 to 7-54	a63
565	3-1619.6	Big Laurel Creek at Fig, N.C.....	0	4-67 to 9-67	a30
566	3-1621.1	Buffalo Creek at Warrensville, N.C....	0	4-67 to 9-67	a23
567	3-1622.2	Horse Creek at Bina, N.C.....	0	6-59 to 9-59	a59
568	3-1624.6	Helton Creek near Helton, N.C.....	0	4-67 to 9-67	a44
569	3-1625	North Fork New River at Crumpler, N.C.	0	3-54 to 6-68	277
570	3-1628.4	Elk Creek near Stratford, N.C.....	0	4-67 to 9-67	a12
571	3-1628.6	Little River near Sparta, N.C.....	0	11-52 to 8-57	19
572	3-1629.4	Brush Creek near Blevins Crossroads, N.C.	0	10-66 to 9-67	a38
573	3-1629.6	Crab Creek near Blevins Crossroads, N.C.	0	10-66 to 9-67	a16

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B91

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
3,020	3.0	20	Lat 36°10'12", long 81°38'45", at bridge on U.S. Highway 221, above Elrod Branch and 3.1 miles northeast of Blowing Rock, Watauga County.
3,840	4.1	20	Lat 36°14'31", long 81°39'23", at bridge on State Highway 194, 0.5 mile southwest of Sands, Watauga County, and 2.2 miles above mouth.
2,760	6.4	37	Lat 36°20', long 81°26', at bridge on Secondary Road 1181, at mouth and 2½ miles south of Othello, Ashe County.
18,200	100	460	Lat 36°24', long 81°25', above bridge on State Highway 16, 1/4 mile below Bear Creek, and 4 miles southeast of Jefferson, Ashe County.
11,100	29	130	Lat 36°26', long 81°37', at bridge on Secondary Road 1100, at Creston, Ashe County, and below Three Top Creek.
4,940	9.6	56	Lat 36°27', long 81°37', at bridge on State Highway 88, 0.1 mile above mouth and 0.1 mile southwest of Fig, Ashe County.
6,820	6.8	46	Lat 36°27', long 81°31', at bridge on Secondary Road 1507, 1 mile south of Warrensville, Ashe County, and 1 mile above mouth.
9,600	13	120	Lat 36°29', long 81°30', at bridge on State Highway 194, at Bina, Ashe County, and 1/4 mile above mouth.
8,780	7.3	89	Lat 36°32', long 81°25', at bridge on Secondary Road 1536, 1½ miles above mouth and 2¾ miles southeast of Helton, Ashe County.
22,500	84	540	Lat 36°30', long 81°23', 1/4 mile below bridge on State Highway 16 at Crumpler, Ashe County, and 6 miles above South Fork.
3,060	5.4	26	Lat 36°32', long 81°13', at bridge on Secondary Road 1332, below Walnut Branch and ½ mile north of Stratford, Alleghany County.
4,370	11	42	Lat 36°29', long 81°08', at bridge on Secondary Road 1172, above Pine Swamp Creek and 2 miles south of Sparta, Alleghany County.
5,280	17	75	Lat 36°30'50", long 81°00'20", at bridge on Secondary Road 1422, 2 miles south of Blevins Crossroads, Alleghany County, and 2½ miles above mouth.
3,230	4.1	33	Lat 36°32'50", long 81°00'00", at bridge on State Highway 18, ¼ mile northeast of Blevins Crossroads, Alleghany County, and 1-1/4 miles above mouth.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		TENNESSEE RIVER BASIN			
574	3-4390	French Broad River at Rosman, N.C.....	D	10-45 to 5-68	67.9
575	3-4395	French Broad River at Calvert, N.C....	O	3-54 to 6-55	103
576	3-4400	Catheys Creek near Brevard, N.C.....	M	10-46 to 6-55	11.7
577	3-4410	Davidson River near Brevard, N.C.....	O	3-54 to 5-67	40.4
578	3-4414.4	Little River above High Falls near Cedar Mountain, N.C.	O	10-62 to 6-66	26.8
579	3-4414.82	Little River near Cedar Mountain, N.C.	M	2-57 to 5-67	33.0
580	3-4415	Little River near Penrose, N.C.....	D	10-53 to 6-55	41.4
581	3-4430	French Broad River at Blantyre, N.C...	D	10-52 to 8-67	296
582	3-4440	Boylston Creek near Horseshoe, N.C....	O	3-54 to 6-55	14.8
583	3-4445	South Fork Mills River at The Pink Beds, N.C.	O	6-65 to 11-66	9.99
584	3-4460	Mills River near Mills River, N.C.....	D	10-46 to 5-67	66.7
585	3-4465	Clear Creek near Hendersonville, N.C..	O	3-54 to 6-55	42.2
586	3-4470	Mud Creek at Naples, N.C.....	M	10-51 to 6-55	109
587	3-4473.36	Cane Creek near Fairview, N.C.....	O	5-60 to 9-67	40.8
588	3-4475	Cane Creek at Fletcher, N.C.....	M	10-53 to 4-58	63.1

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B93

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
12,800	52	250	Lat 35°08'32", long 82°49'28", at bridge on U.S. Highway 178 at Rosman, Transylvania County, and 1.0 mile above East Fork, at mile 215.4.
16,500	82	370	Lat 35°08'55", long 82°47'59", at bridge 0.8 mile southeast of Calvert, Transylvania County, 1.4 miles below East Fork.
2,400	9.0	38	Lat 35°12'40", long 82°47'00", 0.2 mile below Kuykendall Creek and 3.2 miles southwest of Brevard, Transylvania County.
8,420	23	130	Lat 35°16'23", long 82°42'21", 150 ft above State Highway 280, 2.0 miles above mouth, 3.3 miles northeast of Brevard, Transylvania County.
5,720	19	86	Lat 35°11'32", long 82°36'49", at bridge on private road, 0.1 mile above High Falls and 3.8 miles northeast of Cedar Mountain, Transylvania County.
6,240	24	110	Lat 35°11'48", long 82°36'53", below Grassy Creek and 4.0 miles northeast of Cedar Mountain, Transylvania County.
7,020	(*)	120	Lat 35°13'23", long 82°38'07", 0.4 mile below Cascade Lake Dam, 1.2 miles above Hart Branch, and 3.3 miles south of Penrose, Transylvania County.
23,400	200	960	Lat 35°17'56", long 82°37'27", at bridge on Secondary Road 1503, at Blantyre, Transylvania County, and 3.4 miles below Little River, at mile 183.7.
1,920	8.5	36	Lat 35°22'10", long 82°33'50", 1.7 miles above mouth, and 2.0 miles north of Horseshoe, Henderson County.
2,240	2.6	31	Lat 35°21'58", long 82°44'22", at The Pink Beds in Pisgah National Forest, Transylvania County, 400 ft below Thompson Creek and 9 miles north of Brevard.
7,800	(*)	170	Lat 35°23'56", long 82°35'46", 1.5 miles below North and South Forks, and 1.8 miles northwest of Mills River, Henderson County.
5,780	15	75	Lat 35°21'14", long 82°26'40", at bridge on Secondary Road 1006, 0.6 mile above Allen Branch and 2.7 miles northeast of Hendersonville, Henderson County.
10,000	43	220	Lat 35°22'52", long 82°29'54", at bridge on U.S. Highway 25, below Byers Creek and 0.8 mile south of Naples, Henderson County.
5,980	12	53	Lat 35°29'40", long 82°25'45", 0.3 mile below Gap Creek and 2.2 miles southwest of Fairview, Buncombe County.
7,020	15	81	Lat 35°26'08", long 82°29'23", at bridge on Secondary Road 1551, 0.5 mile above Hooper Creek and 0.5 mile northeast of Fletcher, Henderson County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		TENNESSEE RIVER BASIN--Continued			
589	3-4478.61	French Broad River near Arden, N.C....	D	10-53 to 9-54	662
590	3-4480	French Broad River at Bent Creek, N.C.	M	6-55 to 9-67	676
591	3-4485	Hominy Creek at Candler, N.C.....	0	3-54 to 5-67	79.8
592	3-4489.1	Swannanoa River at Grovestone at Swannanoa, N.C.	0	1-60 to 4-60	21.2
593	3-4490	North Fork Swannanoa River near Black Mountain, N.C.	0	6-55 to 4-58	23.8
594	3-4495	Swannanoa River at Swannanoa, N.C.....	0	11-58 to 6-59	58.8
595	3-4500	Beetree Creek near Swannanoa, N.C.....	0	6-55 to 5-67	5.46
596	3-4510	Swannanoa River at Biltmore, N.C.....	M	6-55 to 5-67	130
597	3-4515	French Broad River at Asheville, N.C..	D	10-50 to 5-68	945
598	3-4520	Sandymush Creek near Alexander, N.C...	0	3-54 to 9-54	79.5
599	3-4530	Ivy River near Marshall, N.C.....	M	10-52 to 5-67	158
600	3-4535	French Broad River at Marshall, N.C...	D	3-54 to 9-67	1,332
601	3-4540	Big Laurel Creek near Stackhouse, N.C.	D	10-51 to 5-67	126
602	3-4545	French Broad River at Hot Springs, N.C.	D	10-45 to 6-68	1,563
603	3-4550	West Fork Pigeon River above Lake Logan near Hazelwood, N.C.	0	6-55 to 5-67	27.6

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B95

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
34,200	350	1,710	Lat 35°28'56", long 82°33'30", at Long Shoals Bridge on N.C. Highway 280, 0.05 mile above Ducker Creek, and 2.6 miles northwest of Arden, Buncombe County, at mile 160.7.
34,800	360	1,750	Lat 35°30'07", long 82°35'35", at Bent Creek, Buncombe County, and 50 ft below Bent Creek, at mile 157.7.
7,900	18	96	Lat 35°32'28", long 82°40'35", 0.1 mile below Pole Creek, 0.4 mile below bridge on State Highway 112, 1.0 mile east of Candler, Buncombe County.
3,960	4.7	47	Lat 35°36'11", long 82°21'55", at bridge on U.S. Highway 70, at Grovestone, 0.2 mile above North Fork and 1.8 miles northeast of Swannanoa, Buncombe County.
4,220	(*)	52	Lat 35°39'11", long 82°21'04", 0.1 mile below Walker Branch, 3.0 miles northwest of Black Mountain, Buncombe County.
7,640	(*)	120	Lat 35°36'11", long 82°23'42", 1,000 ft above bridge at Swannanoa, Buncombe County, and 1.5 miles below North Fork.
956	.6	12	Lat 35°39'11", long 82°24'20", 1,000 ft above Bee-tree Reservoir, 3.8 miles north of Swannanoa, Buncombe County.
10,100	(*)	160	Lat 35°34'06", long 82°32'42", below Biltmore Avenue bridge at Biltmore, Buncombe County, and 1.6 miles above mouth.
45,600	410	2,080	Lat 35°36'32", long 82°34'41", at Pearson Bridge on Secondary Road 1348, at Asheville, Buncombe County, and 1.0 mile below Mill Creek.
7,310	8.4	65	Lat 35°43'49", long 82°40'11", in Madison County, 1.3 miles above mouth and 3.5 miles northwest of Alexander.
11,000	15	170	Lat 35°46'10", long 82°37'16", 0.2 mile below bridge on Secondary Road 1586, 1.9 miles above mouth and 4.0 miles southeast of Marshall, Madison County.
59,800	450	2,480	Lat 35°47'10", long 82°39'39", 0.7 mile above Hayes Creek and 1.5 miles southeast of Marshall, Madison County, at mile 126.7.
11,100	23	200	Lat 35°55'11", long 82°45'42", 0.2 mile below Big Hurricane Creek, 2.8 miles north of Stackhouse, Madison County, and 4.2 miles above mouth.
67,800	490	2,40	Lat 35°53'23", long 82°49'16", 0.2 mile above Silver Mine Creek, and 0.3 mile above U.S. Highway 25 at Hot Springs, Madison County, at mile 109.2.
12,000	15	120	Lat 35°23'46", long 82°56'17", at bridge on Secondary Road 1216, 0.1 mile above Big Creek, 1.1 miles above Lake Logan and 6.7 miles southeast of Hazelwood, Haywood County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		TENNESSEE RIVER BASIN--Continued			
604	3-4560	West Fork Pigeon River below Lake Logan near Waynesville, N.C.	0	6-55 to 11-66	55.3
605	3-4565	East Fork Pigeon River near Canton, N.C.	0	6-55 to 5-67	51.5
606	3-4570	Pigeon River at Canton, N.C.....	M	3-54 to 5-68	133
607	3-4575	Allen Creek near Hazelwood, N.C.....	0	3-54 to 11-66	14.4
608	3-4590	Jonathan Creek near Cove Creek, N.C...	0	3-54 to 5-67	65.3
609	3-4595	Pigeon River near Hepco, N.C.....	M	6-55 to 5-68	350
610	3-4600	Cataloochee Creek near Cataloochee, N.C.	M	10-62 to 6-68	49.2
611	3-4607.66	Pigeon River at Waterville, N.C.....	M	10-57 to 9-67	536
612	3-4620	North Toe River at Altapass, N.C.....	D	10-48 to 6-68	104
613	3-4633	South Toe River near Celo, N.C.....	0	10-57 to 4-67	43.4
614	3-4635	South Toe River at Newdale, N.C.....	M	10-51 to 9-52	60.8
615	3-4640	Cane River near Sioux, N.C.....	D	10-51 to 5-68	157
616	3-4645	Nolichucky River at Poplar, N.C.....	D	10-53 to 6-68	608
617	3-4790	Watauga River near Sugar Grove, N.C...	D	10-52 to 5-68	90.8
618	3-4810	Elk River near Elk Park, N.C.....	0	3-54 to 6-68	42.0

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B97

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
.....	(*)	180	Lat 35°26'38", long 82°54'46", at bridge on Secondary Road 1111, 3.4 miles below Lake Logan and 5.3 miles southeast of Waynesville, Haywood County.
12,000	19	150	Lat 35°27'42", long 82°52'12", 0.1 mile above U.S. Highway 276, 0.4 mile below Dix Creek, and 5.2 miles southwest of Canton, Haywood County.
24,900	(*)	350	Lat 35°31'30", long 82°50'28", 0.5 mile above U.S. Highway 19 at Canton, Haywood County, and 1.1 miles below Garden Creek.
2,640	(*)	43	Lat 35°25'49", long 83°00'33", 180 ft below Rocky Branch and 3.3 miles south of Hazelwood, Haywood County.
6,470	24	140	Lat 35°37'22", long 83°00'26", 0.7 mile above mouth, and 1.1 miles north of Cove Creek, Haywood County.
47,300	(*)	770	Lat 35°38'07", long 82°59'22", 0.8 mile below Jonathan Creek and 2.0 miles south of Hepco, Haywood County.
6,180	18	120	Lat 35°40'02", long 83°04'23", at bridge on State Highway 284, 0.1 mile above Little Cataloochee Creek and 2.0 miles north of Cataloochee, Haywood County.
.....	(*)	1,290	Lat 35°46'32", long 83°06'01", at Carolina Power and Light power plant, below Big Creek, and at Waterville, Haywood County.
18,700	37	220	Lat 35°53'59", long 82°01'50", 0.1 mile above Rose Creek, and 1.0 mile northwest of Altapass, Mitchell County.
17,300	16	100	Lat 35°49'52", long 82°11'04", 0.1 mile above Secondary Road 1169, 0.3 mile below White Oak Creek and 1.9 miles southeast of Celo, Yancey County.
29,000	23	200	Lat 35°54'31", long 82°11'29", at bridge on U.S. Highway 19E, 0.8 mile northwest of Newdale, Yancey County, and 1.3 miles above Little Crabtree Creek.
14,200	35	280	Lat 36°00'52", long 82°19'40", 1.3 miles above North Toe River, and 1.5 miles east of Sioux, Yancey County.
41,300	180	1,190	Lat 36°04'29", long 82°20'41", at Poplar, Mitchell County, and 0.7 mile above Hollow Poplar Creek.
28,200	19	190	Lat 36°14'18", long 81°49'22", at bridge on Secondary Road 1121 below Cove Creek and 2.3 miles southwest of Sugar Grove, Watauga County.
12,000	9.5	96	Lat 36°11'01", long 81°57'45", 0.3 mile below Skalley Creek and 2.0 miles northeast of Elk Park, Avery County.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		TENNESSEE RIVER BASIN--Continued			
619	3-5000	Little Tennessee River near Prentiss, N.C.	D	10-52 to 5-68	140
620	3-5002.4	Cartoogechaye Creek near Franklin, N.C.	O	10-61 to 5-67	57.1
621	3-5005	Cullasaja River at Highlands, N.C.....	O	6-55 to 5-67	14.9
622	3-5010	Cullasaja River at Cullasaja, N.C.....	M	3-54 to 5-67	86.5
623	3-5030	Little Tennessee River at Needmore, N.C.	O	3-54 to 5-68	436
624	3-5040	Nantahala River near Rainbow Springs, N.C.	O	6-55 to 5-67	51.9
625	3-5055	Nantahala River at Nantahala, N.C.....	O	6-55 to 5-68	144
626	3-5080	Tuckasegee River at Tuckasegee, N.C....	O	3-54 to 5-67	143
627	3-5090	Scott Creek above Sylva, N.C.....	O	6-55 to 5-67	50.7
628	3-5105	Tuckasegee River at Dillsboro, N.C....	M	6-55 to 9-67	347
629	3-5106.1	Connelly Creek at Whittier, N.C.....	M	9-53 to 9-57	13.5
630	3-5110	Oconaluftee River at Cherokee, N.C....	D	10-45 to 9-46	131
631	3-5120	Oconaluftee River at Birdtown, N.C....	M	10-49 to 5-67	184
632	3-5127.4	Deep Creek near Bryson City, N.C.....	M	10-50 to 7-66	40.2
633	3-5130	Tuckasegee River at Bryson City, N.C.	D	10-50 to 9-67	655

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B99

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
11,000	78	400	Lat 35°08'57", long 83°22'46", 0.1 mile above Owensby Branch, and 1.9 miles north of Prentiss, Macon County.
7,310	32	160	Lat 35°09'31", long 83°23'39", at bridge on Secondary Road 1152, 1.8 miles south of Franklin, Macon County, 1.9 miles above mouth.
3,070	(*)	64	Lat 35°04'14", long 83°13'57", 0.6 mile below Lake Sequoyah, 0.7 mile above Dry Falls, 2.3 miles northwest of Highlands, Macon County.
9,940	36	240	Lat 35°09'59", long 83°19'25", at Cullasaja, Macon County, above bridge on State Highway 28 and 1.4 miles below Ellijay Creek.
31,900	220	1,130	Lat 35°20'11", long 83°31'39", 0.8 mile below DeHart Creek, 0.8 mile north of Needmore, Swain County.
8,710	40	210	Lat 35°07'35", long 83°37'11", in Clay County, at Roaring Fork, 4.0 miles northwest of Rainbow Springs.
.....	(*)	420	Lat 35°17'55", long 83°39'22", 1.0 mile northeast of Nantahala, Swain County, and 2.3 miles below Rowlin Creek.
.....	(*)	440	Lat 35°16'55", long 83°07'37", 0.9 mile north of Tuckasegee, Jackson County, and 1.0 mile below West Fork.
4,780	25	120	Lat 35°23'02", long 83°12'51", at Secondary Road 1432, 0.2 mile below Allens Branch and 0.8 mile northwest of Sylva, Jackson County.
26,500	(*)	840	Lat 35°21'59", long 83°15'38", 0.4 mile below Scott Creek and 0.6 mile west of Dillsboro, Jackson County.
2,640	3.6	22	Lat 35°25'55", long 83°21'42", at railroad bridge, above mouth, and 0.2 mile south of Whittier, Swain County.
18,800	63	420	Lat 35°29'04", long 83°18'56", 0.1 mile above Owl Branch, 0.6 mile north of Cherokee, Swain County.
21,900	85	520	Lat 35°27'42", long 83°21'13", above bridge on Secondary Road 1359, 0.5 mile south of Birdtown, Swain County, and 0.6 mile below Adams Creek.
7,080	16	130	Lat 35°27'51", long 83°26'03", below Juney Whank Branch and 2.6 miles north of Bryson City, Swain County.
43,900	(*)	1,590	Lat 35°25'40", long 83°26'50", 0.1 mile below State Highway 288 at Bryson City, Swain County, and 0.6 mile below Deep Creek.

Table 2.--Description of stations at which more than

No. on Pl. 1	Station No.	Station name	Chemical data		Drainage area (sq mi)
			Sampling frequency	Period of sampling	
		TENNESSEE RIVER BASIN--Continued			
634	3-5135	Noland Creek near Bryson City, N.C....	0	6-55 to 4-67	13.8
635	3-5470	Hiwassee River below Chatuge Dam near Hayesville, N.C.	M	10-46 to 5-68	190
636	3-5485	Hiwassee River above Murphy, N.C.....	M	10-46 to 5-68	406
637	3-5500	Valley River at Tomotla, N.C.....	D	10-52 to 5-68	104

* Regulation or diversion affects flow more than 10 percent.

a Approximate.

b Analyses not included in table 3 or 4 because of frequent encroachment of sea water at the location.

c Subject to occasional sea-water encroachment during prolonged periods of low streamflow or unusually high ocean tides.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B101

one sample was collected for chemical analyses--Continued

Discharge (cfs)			Location
High (50-yr flood)	Low (7-day, 10-yr min)	Average	
3,240	4.6	49	Lat 35°29'06", long 83°30'15", 1.1 miles below Mill Creek, 5.0 miles northwest of Bryson City, Swain County.
.....	(*)	460	Lat 35°01'45", long 83°47'45", 0.4 mile above Hyatt Mill Creek, 1.6 miles below Chatuge Dam, 1.7 miles southeast of Hayesville, Clay County.
29,900	(*)	880	Lat 35°04'50", long 84°00'10", on right bank on U.S. Highway 64, 600 ft above Will Scott Creek, 2 miles east of Murphy, Cherokee County.
13,800	27	260	Lat 35°08'20", long 83°58'50", at bridge on Secondary Road 1373, at Tomotla, Cherokee County, 0.2 mile above Rogers Creek, and 6.6 miles above mouth.

Table 3.--Summary of chemical analyses at daily and monthly sampling stations
[Chemical constituents shown in milligrams per liter, except specific conductance, pH, and color]

No. on Pl. 1	Station name	Extremes and average	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Residue at 180°C	Calculated magnesium	Hardness as CaCO ₃ Calcium, Non- carbonate	Specific con- ductance (Mhcr- ohms at 25°C)	pH	Color
CHOWAN RIVER BASIN																				
5	Meherrin River near Severn, N.C.....	Max	17	0.77	13	3.2	14	4.0	83	20	6.8	0	2.3	.....	105	....	46	9	166	7.1
		Min	9.9	.03	4.2	1.0	4.1	1.3	8	2.9	3.0	0	.0	.....	61	....	15	0	62	5.7
		Avg	13	.22	6.3	1.9	7.6	1.9	31	9.8	4.7	0	.7	.....	73	....	24	1	96	...
7	Chowan River at Winton, N.C.g/.....	Max	17	.64	11	2.8	47	3.1	84	16	46	.7	3.5	0.20	188	171	36	10	297	7.7
		Min	.4	.01	2.9	.5	2.5	.9	11	1.7	2.9	.0	.0	.00	40	34	10	0	36	6.0
		Avg	10	.20	5.7	1.6	9.3	1.7	25	5.6	9.6	.2	1.4	.10	73	65	21	2	93	...
ROANOKE RIVER BASIN																				
26	Mayo River near Price, N.C.....	Max	25	.16	4.6	2.0	4.4	1.6	29	4.2	3.8	.2	1.2	.20	57	46	20	2	62	7.5
		Min	7.4	.00	3.0	.3	2.0	.5	12	.8	.9	.0	.0	.00	36	28	12	0	34	6.3
		Avg	15	.05	3.8	1.6	3.0	1.0	23	2.4	1.6	.1	.3	.03	41	39	16	0	46	...
28	Dan River near Wentworth, N.C.....	Max	19	.26	5.3	2.3	5.4	2.1	30	8.0	4.0	.4	1.9	.10	48	49	20	4	66	7.3
		Min	7.4	.00	2.2	.6	2.2	.8	14	.4	.8	.0	.0	.00	36	27	12	0	36	6.3
		Avg	14	.05	4.0	1.4	3.5	1.2	22	3.4	2.2	.1	.3	.02	42	41	16	0	50	...
29	Dan River at Leaksville, N.C.....	Max	18	.21	7.7	2.5	26	2.5	47	42	16	.3	2.9	.32	113	116	26	3	169	7.7
		Min	7.7	.00	2.8	.7	2.6	.8	14	1.2	1.0	.0	.1	.00	35	41	11	0	44	6.1
		Avg	15	.05	4.4	1.5	4.4	1.4	25	3.8	3.0	.1	.7	.08	50	48	17	0	59	...
30	Smith River at Spray, N.C.....	Max	17	.19	7.1	2.6	15	3.6	38	7.2	20	.3	2.1	.27	57	78	28	5	135	7.7
		Min	7.7	.00	3.1	.7	3.2	.9	12	1.6	1.9	.0	.0	.00	46	14	13	0	45	5.7
		Avg	13	.05	5.4	2.0	6.4	1.9	29	4.1	5.3	.1	.8	.30	52	53	22	1	75	...
57	Roanoke River at Roanoke Rapids, N.C....	Max	17	.59	25	3.9	20	2.6	110	24	9.9	.5	2.2	.10	74	117	73	3	206	7.8
		Min	6.5	.00	4.9	1.6	3.1	.7	23	4.0	2.0	.0	.1	.00	46	50	19	0	60	6.4
		Avg	13	.06	6.6	2.6	6.0	1.4	34	6.3	3.5	.1	.6	.02	58	64	27	0	83	...
59	Roanoke River near Scotland Neck, N.C..	Max	16	3.3	13	5.9	17	13	131	12	19	.4	5.2	.10	173	78	57	1	155	7.4
		Min	6.2	.00	4.8	1.2	4.5	1.4	11	1.2	1.0	.0	.0	.00	47	44	10	0	68	6.1
		Avg	11	.13	8.4	2.4	9.0	3.0	45	7.9	5.7	.1	1.5	.02	78	63	31	0	118	...

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B103

61	Roanoke River at Jamesville, N.C.....	Max	14	.59	15	4.1	14	3.6	72	12	12	.5	5.9	.23	98	83	52	4	188	7.7	90
		Min	2.8	.00	4.0	.5	3.7	.6	17	2.0	2.8	.0	.3	.00	35	33	12	0	55	6.2	5
		Avg	8.7	.10	8.6	2.5	8.0	2.1	40	6.9	6.1	.1	2.1	.06	72	67	31	0	105	...	30
62	Cashie River at Windsor, N.C.....	Max	23	.80	11	3.1	28	4.8	60	34	23	.4	1.7	.50	129	115	37	32	203	6.9	160
		Min	1.5	.00	2.2	.5	1.6	.9	5	2.6	2.0	.0	.3	.00	49	22	10	0	34	5.3	20
		Avg	8.3	.19	5.1	1.4	8.2	2.0	20	8.2	9.1	.2	.9	.05	77	49	18	5	82	...	81
PAMLICO RIVER BASIN																					
78	Tar River near Nashville, N.C.....	Max	23	.48	7.2	2.1	6.8	2.0	34	8.2	6.6	.2	2.0	.10	62	58	23	4	79	7.3	55
		Min	8.5	.01	2.4	.5	3.3	.8	10	1.2	2.6	.0	.0	.00	45	35	10	0	43	6.1	5
		Avg	11	.14	4.2	1.5	4.1	1.2	23	3.8	4.1	.1	.6	.04	55	48	17	1	62	...	23
92	Fishing Creek near Enfield, N.C.....	Max	26	.60	6.2	2.9	6.4	2.3	43	7.8	5.5	.3	1.7	.10	65	64	24	12	79	7.4	100
		Min	9.4	.01	2.1	.5	3.1	.7	12	1.2	2.0	.0	.1	.00	36	37	9	0	44	6.2	5
		Avg	15	.08	4.5	1.9	4.5	1.3	27	3.1	3.8	.1	.5	.03	54	48	19	1	62	...	16
93	Tar River at Tarboro, N.C.....	Max	19	.67	9.0	2.6	22	2.9	69	13	54	.3	6.8	1.0	111	102	33	14	270	7.7	140
		Min	6.2	.00	2.8	.5	3.0	.6	7	1.1	2.4	.0	.1	.00	45	33	9	0	47	5.6	3
		Avg	13	.16	5.4	1.6	7.6	1.8	24	5.9	7.6	.1	1.2	.31	64	50	20	2	83	...	35
96	Tar River at Greenville, N.C.....	Max	19	.72	9.2	2.6	12	2.6	32	15	15	.3	3.0	.30	79	79	32	11	121	7.4	120
		Min	3.7	.00	3.2	.8	2.9	.7	6	2.5	1.8	.0	.1	.00	44	30	13	0	39	5.4	7
		Avg	12	.22	5.2	1.6	6.2	1.8	21	6.7	6.6	.0	1.7	1.3	66	42	20	2	79	...	45
97	Tar River near Pactolus, N.C.....	Max	18	.56	9.0	3.2	12	2.8	76	19	20	.3	13	.....	85	.....	60	26	147	8.1	120
		Min	6.9	.00	3.4	.8	2.3	1.0	8	2.7	4.4	.0	.6	.....	48	.....	13	0	51	5.9	10
		Avg	12	.14	5.5	1.8	6.4	1.8	19	6.8	7.6	.1	2.3	.....	65	.....	21	5	81	...	45
NEUSE RIVER BASIN																					
108	Little River near Orange Factory, N.C...	Max	20	.18	8.0	4.2	7.1	2.2	46	6.4	7.2	.3	2.8	.10	65	67	34	4	93	7.5	55
		Min	4.1	.00	3.0	.7	1.2	.3	10	.3	1.2	.0	.0	.00	36	25	12	0	37	6.0	5
		Avg	13	.06	5.5	2.1	4.6	1.1	30	2.9	4.0	.1	.5	.02	53	49	22	0	67	...	24
114	Flat River at Dam, near Bahama, N.C.....	Max	13	.26	12	3.2	5.2	2.3	55	7.6	5.0	.2	1.6	.10	61	64	42	5	103	7.3	125
		Min	6.5	.00	3.1	.8	1.7	.7	13	1.0	1.8	.0	.0	.00	26	25	11	0	37	6.2	8
		Avg	10	.05	4.4	1.4	3.6	1.4	21	4.1	3.1	.0	.7	.03	48	44	17	1	57	...	35
116	Neuse River near Northside, N.C.....	Max	17	.22	17	4.4	4.2	8.4	85	19	38	.5	14	3.4	126	203	60	16	346	7.4	110
		Min	8.2	.01	3.0	1.0	3.9	1.0	16	2.6	3.0	.2	4.4	1.6	55	37	16	0	55	6.0	10
		Avg	13	.06	7.5	2.3	13	2.7	37	7.7	10	.2	4.4	1.6	85	83	28	2	129	...	28
122	Neuse River at Falls, N.C.....	Max	19	.38	16	4.1	26	6.0	81	14	39	.4	14	2.6	129	138	56	9	355	7.9	150
		Min	7.3	.00	2.9	.8	3.7	1.1	9	3.4	2.7	.0	.0	.00	46	38	11	0	37	6.2	7
		Avg	14	.08	6.7	2.2	9.8	2.3	34	7.1	8.6	.1	2.9	.58	75	72	26	1	105	...	27

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B105

143	Neuse River near Goldsboro, N.C.....	Max 20	46	11	2.4	19	3.6	38	16	16	.3	4.7	.30	92	86	37	21	158	7.6	70
		Min 5.5	.01	2.6	.4	3.3	.8	7	1.5	2.0	.0	1.7	.20	38	39	10	0	40	5.9	15
		Avg 11	.40	4.0	1.4	6.8	1.7	18	4.8	6.2	.2	1.7	.80	54	53	16	2	68	...	35
145	Neuse River near Whitehall, N.C.....	Max 16	26	5.8	2.7	13	2.7	30	12	14	.2	2.4	....	79	....	22	9	109	7.2	80
		Min 5.2	.00	2.0	.8	2.5	1.0	7	2.6	2.2	.0	.2	....	34	....	10	0	37	5.7	10
		Avg 11	.10	3.9	1.4	6.8	1.8	18	5.1	7.6	.1	1.3	....	57	....	16	2	70	...	41
147	Neuse River at Whitehall, N.C.....	Max 15	29	5.9	2.5	18	3.9	36	10	19	.3	3.7	....	93	76	23	7	140	7.3	130
		Min 5.1	.00	2.4	.5	2.4	1.0	8	.8	2.5	.0	.0	....	37	39	10	0	37	5.7	10
		Avg 9.8	.08	4.0	1.5	7.8	1.5	19	6.1	8.7	.1	1.1	....	59	54	16	1	78	...	34
149	Neuse River at Kinston, N.C.....	Max 16	83	9.6	3.0	19	3.9	54	16	21	.3	4.9	.67	111	99	30	12	162	7.3	160
		Min 3.5	.00	2.1	.5	2.0	.3	8	.6	2.1	.0	.2	.00	28	26	9	0	35	5.6	5
		Avg 11	.18	5.1	1.5	8.3	1.9	21	7.0	8.5	.1	1.8	.13	67	54	19	2	87	...	37
156	Contentnea Creek near Wilson, N.C.....	Max 11	1.1	4.4	1.1	5.9	2.0	25	3.7	6.5	.1	.9	....	67	....	14	0	72	6.8	110
		Min 5.9	.06	2.6	.4	3.8	1.0	10	1.1	3.5	.0	.1	....	41	....	8	0	48	6.1	20
		Avg 8.6	.26	3.1	.8	4.9	1.5	17	2.5	5.2	.1	.5	....	49	b39	12	0	58	...	47
162	Contentnea Creek at Hookerton, N.C.....	Max 20	65	5.5	1.6	8.5	2.8	20	21	12	.4	3.3	.56	85	54	20	13	101	6.6	160
		Min 5.2	.01	2.2	.1	2.2	.9	6	3.0	3.4	.0	.1	.00	45	26	9	0	37	5.3	15
		Avg 9.8	.13	3.7	1.3	5.6	1.4	13	6.0	6.7	.2	1.1	.16	53	39	15	5	62	...	27
165	Neuse River near Fort Barnwell, N.C.....	Max 14	89	65	4.0	25	5.7	204	17	53	.3	8.5	....	c186	....	171	16	673	8.4	150
		Min 4.0	.00	3.0	.2	3.8	.5	4	3.2	3.4	.0	.8	....	42	....	11	0	39	5.0	8
		Avg 10	.19	5.5	1.5	7.4	1.8	20	6.9	8.7	.1	2.2	....	65	b36	20	4	84	...	50
166	Core Creek near Fort Barnwell, N.C.....	Max 10	40	47	6.9	6.3	2.1	147	22	9.0	.3	3.3	....	141	43	124	26	270	7.7	240
		Min 2.6	.02	3.6	.4	1.7	.1	9	1.5	1.7	.0	.0	....	44	23	12	0	34	6.0	20
		Avg 6.1	.13	16	1.5	4.0	.8	50	6.7	6.1	.2	1.0	....	80	36	49	8	115	...	94
167	Neuse River at Cowen Landing near Vanceboro, N.C. <u>a</u> /	Max 14	58	20	2.8	18	3.7	70	17	31	.3	5.6	.50	114	97	57	24	177	7.8	110
		Min 3.2	.00	3.4	.5	3.1	1.1	4	2.1	3.0	.0	1.1	.02	43	38	13	0	52	5.4	10
		Avg 9.0	.16	5.5	1.5	7.6	2.0	19	7.1	9.3	.1	2.7	.24	63	56	20	4	82	....	51
169	Swift Creek near Vanceboro, N.C.....	Max 25	84	34	4.2	104	5.6	100	61	310	.3	5.0	.47	349	358	96	56	1,190	9.3	300
		Min 2.6	.00	4.2	.4	2.6	.6	7	3.2	4.5	.0	.1	.00	55	30	14	0	45	5.7	12
		Avg 10	.18	12	1.8	15	1.9	25	17	22	.1	1.8	.20	108	128	38	17	165	...	55
171	Swift Creek at Vanceboro, N.C.....	Max 16	74	33	8.3	40	3.6	61	73	115	.2	3.3	....	273	61	114	72	603	7.4	200
		Min 5.5	.02	5.6	.6	4.1	1.0	12	4.4	5.8	.0	.2	....	70	40	17	3	60	6.2	16
		Avg 9.0	.28	15	1.9	9.2	2.0	32	23	21	.0	1.7	....	128	50	46	19	185	....	72

See footnotes at end of table.

Table 3.--Summary of chemical analyses at daily and monthly sampling stations--Continued

No. on pl. 1	Station name	Extremes and average	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Residue at 180°C	Calculated	Hardness as CaCO ₃ Calcium, magnesium, Non-carbonate	Specific conductance (Microhm-cm at 25°C)	pH	Color	
NEUSE RIVER BASIN--Continued																					
173	Bachelor Creek near Streets Ferry, N.C.g/	Max Min Avg	16 2.9 9.0	0.33 .01 .09	36 3.8 18	6.5 .7 2.1	30 1.6 5.6	3.2 .4 1.2	129 11 59	11 .5 4.6	58 1.3 8.5	0.3 .0 .1	4.4.....6	.... .... ....	239 93 39	.... .... ....	111 12 6	22 54 0	390 35 130	7.8 6.1	140 15 49
175	Trent River near Trenton, N.C.....	Max Min Avg	11 1.2 6.3	.77 .00 .18	42 4.7 17	3.2 .3 1.4	11 1.6 4.3	2.3 .2 .7	126 10 43	51 2.1 9.6	12 2.0 7.0	.6 .0 .1	7.4 .0 1.4	0.10 .00 .03	153 40 90	120 47 54	117 15 12	54 1 12	257 31 118	8.0 6.1	240 14 94
176	Trent River at Pollocksville, N.C.g/.....	Max Min Avg	11 3.5 6.8	.69 .00 .18	40 5.6 21	5.6 .4 1.4	40 2.2 4.8	3.3 .2 .9	116 12 58	23 3.2 9.0	74 2.5 7.4	.3 .0 .2	6.4 1.5 1.9	.40 .00 .19	253 57 100	216 36 77	106 20 59	40 0 11	421 48 139	8.0 6.1	160 10 80
177	Trent River below Mill Creek near Pollocksville, N.C.	Max Min Avg	10 3.7 7.1	.33 .08 .22	35 6.7 19	1.4 .8 1.8	102 2.8 5.2	5.5 .2 .7	91 17 52	32 4.6 7.6	190 4.5 8.5	.2 .1 .2	1.9 1.6 1.0	.... .... ....	126 61 97	433 34 173	145 21 54	71 7 12	805 51 129	7.9 6.4	200 55 120
NEW RIVER BASIN																					
184	New River near Gum Branch, N.C.....	Max Min Avg	10 3.7 6.8	.53 .00 .18	60 7.2 25	5.3 .3 1.5	7.6 2.8 4.5	1.7 .3 .9	180 26 70	30 1.8 7.4	11 4.0 6.4	.5 .0 .1	6.2 1.1 1.6	.20 .00 .07	147 78 106	151 45 86	158 32 10	338 77 155	7.9 6.4	150 5 71	
CAPE FEAR RIVER BASIN																					
195	Haw River near Benaja, N.C.....	Max Min Avg	24 8.9 18	.62 .00 .08	8.7 3.5 5.5	3.3 .5 2.0	8.7 2.3 4.8	3.8 .8 1.9	49 20 30	6.8 1.2 4.2	6.0 2.2 3.4	.3 .0 .2	3.4 1.1 1.1	.54 .00 .11	79 61 61	70 31 56	32 11 22	2 0 0	130 49 75	7.4 5.9	40 4 14
196	Haw River at Altamahaw, N.C.....	Max Min Avg	28 9.2 16	.39 .00 .06	15 2.5 6.7	5.2 1.3 2.3	86 2.5 10	9.6 1.3 2.4	154 13 40	35 1.6 6.7	49 1.2 6.7	2.8 .0 .0	16 1.4 1.4	.24 .00 .06	301 37 77	76 39 61	60 12 26	6 0 1	500 44 104	7.7 5.8	140 5 20
199	Reedy Fork near Gibsonville, N.C.....	Max Min Avg	22 3.1 16	.71 .00 .10	8.8 3.0 5.4	3.4 .4 2.1	5.6 2.2 4.3	3.3 .6 1.5	44 14 30	11 3 4.3	5.1 1.3 2.8	.3 .0 .7	3.7 1.1 .4	.05 .00 .00	69 42 56	60 35 50	31 12 22	5 0 0	86 48 70	7.5 6.1	70 4 15

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B107

201	South Buffalo Creek near Greensboro, N.C.	Max 235 Min 45 Avg 10	8.4 .00 .90	29 11 18	11 3.4 7.2	275 6.5 81	32 1.8 10	203 54	102 35	402 4.8 127	9.0 16 4.3	20 .0 3.8	681 111 466	878 95 301	94 72 39	3,600 0 772	7.1 2.2	28	
202	North Buffalo Creek near Greensboro, N.C.	Max 56 Min 8.2 Avg 20	.64 .00 .11	20 2.4 13	7.5 .0 3.4	472 7.7 181	22 1.5 11	4878 14 222	116 8.8 52	140 3.5 49	1.5 30 4.4	9.8 1.0 3.4	1,370 285 807	1,000 67 409	78 6 0	2,210 0 939	11.3 6.6	30	
203	Reedy Fork at Ossipee, N.C.	Max 20 Min 10 Avg 13	.09 .00 .04	15 9.0 12	6.8 1.7 3.8	111 10 54	11 2.3 6.1	198 25 94	59 7.4 28	61 9.8 33	3.3 2.9 1.8	4.4 1.5 15	9.2 1.40 3.6	413 76 228	411 219 44	58 42 2	720 369	7.2 15 21	
205	Stony Creek near Stony Creek, N.C.	Max 23 Min 10 Avg 19	.21 .00 .04	10 4.0 7.9	5.0 1.6 3.7	6.8 1.9 5.2	2.8 7 1.4	64 12 48	12 1.5 5.4	8.0 1.0 3.7	1.9 .0 1.5	.... .... ....	94 67 80	99 34 69	45 3 36	138 46 102	7.5 6.2	55
207	Haw River at Haw River, N.C.	Max 25 Min 7.1 Avg 15	.92 .01 .09	140 4.7 10	14 1.2 3.3	146 4.6 38	15 1.2 3.9	267 21 76	70 4.9 16	324 5.2 29	5.0 23 7.7	11 .4 3.7	375 11 2.8	355 57 147	460 285 204	285 40 40	640 6.2 4.5	8.0 6.2	
217	Alamance Creek at Bellemont, N.C.	Max 22 Min 12 Avg 16	.32 .00 .04	11 5.1 7.2	5.2 2.2 3.3	9.0 3.0 5.7	2.4 4 1.3	67 21 42	9.2 1.5 4.5	7.5 1.5 4.7	5.5 .0 1.8	2.1	88 49 71	73 66 33	48 22 1	130 66 93	7.7 6.4	50
2233	Haw River at Bynum, N.C.	Max 22 Min 4.7 Avg 15	.37 .00 .07	15 3.0 7.6	8.6 .8 2.9	115 2.8 24	7.2 2.7 2.7	204 54	44 2.6 12	84 2.6 19	2.3 13 6.3	4.7 .0 3.2	314 51 1.2	355 41 120	54 12 31	26 0 0	657 47 185	8.0 6.0	360
241	New Hope River near Pittsboro, N.C.	Max 17 Min 4.5 Avg 12	.46 .00 .09	17 3.0 9.1	4.6 1.0 2.7	39 4.0 17	7.1 1.1 2.9	88 7 37	25 4.0 9.5	38 3.0 13	2.3 .0 1.1	26 3 3.5	4.3 1.1 1.2	183 54 98	153 32 77	57 12 34	314 50 145	7.5 5.9	160
242	New Hope River near New Hill, N.C.	Max 18 Min 5.6 Avg 13	.54 .00 .09	18 2.7 7.7	6.2 .5 2.6	34 5.2 11	8.5 2.2 2.3	90 32	32 11	29 11	7 22 3.8	7.7 .0 1.7	186 44 87	36 31 80	64 8 31	22 5 5	308 25 124	7.9 5.8	140
244	Haw River at Moncure, N.C.	Max 16 Min 5.6 Avg 14	.26 .01 .08	9.4 5.6 7.6	3.8 1.9 3.0	42 5.7 19	4.1 1.5 2.7	90 15 50	15 6.2 11	32 5.5 15	1.1 .4 5.5	8.8 2.4	.... .... ....	64 167 106	.... .... ....	31 0 0	157	10
256	Deep River at Rameur, N.C.	Max 20 Min 8.5 Avg 14	.24 .00 .04	12 4.6 7.1	4.4 1.6 2.9	29 3.8 15	4.2 3.8 2.1	62 20 41	18 3.5 7.2	47 3.4 15	7 .0 1.4	6.7 2.5 1.4	2.5 .00 .76	144 58 91	175 43 93	44 19 0	299 62 143	7.3 6.3	20

See footnotes at end of table.

Table 3.--Summary of chemical analyses at daily and monthly sampling stations--Continued

No. on pl. 1	Station name	Extremes and average	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids		Hardness as CaCO ₃	Specific con- ductance (Micro- ohms at 25°C)	pH	Color		
															Residue at 180°C	Calculated						
265	CAPE FEAR RIVER BASIN--Continued Bear Creek at Robbins, N.C.....	Max	16	0.43	6.8	2.4	18	2.7	46	7.8	16	0.6	2.5	0.56	79	51	27	5	147	7.4	70	
		Min	3.8	.02	1.9	.5	2.4	.2	8	.2	1.5	.1	.0	.0	.18	36	27	8	0	37	6.2	8
		Avg	9.9	.11	3.5	1.0	5.5	.9	19	3.2	4.8	.1	.6	.18	47	39	13	0	56	.....	35
274	Deep River at Moncure, N.C.....	Max	16	.55	9.7	3.9	24	4.4	59	141	32	.3	.38	.81	114	100	35	32	871	7.8	100	
		Min	1.9	.00	2.6	.4	3.3	.7	0	1.6	2.2	.0	1.6	.00	38	33	12	0	50	2.7	5	
		Avg	9.2	.07	5.6	2.0	9.0	1.7	28	6.2	8.5	.1	1.6	.30	64	60	22	1	94	.....	34
276	Cape Fear River at Lillington, N.C.....	Max	16	.38	11	4.1	53	5.6	92	19	47	1.0	6.0	2.3	210	151	38	17	318	7.7	85	
		Min	2.2	.00	3.2	.6	2.5	.9	11	2.4	1.8	.0	.0	.00	36	23	10	0	34	5.9	5	
		Avg	10	.06	5.3	1.9	13	2.0	31	7.5	9.0	.2	1.0	.47	72	77	21	1	116	.....	28
279	Little River at Linden, N. C.....	Max	7.5	.42	2.2	.8	5.2	1.4	9	6.4	6.0	.4	6.9	1.3	44	30	9	5	66	6.7	100	
		Min	2.3	.00	.6	.1	1.5	.4	2	.8	1.4	.0	1.1	.00	29	15	3	0	22	4.6	11	
		Avg	4.9	.12	1.4	.3	2.7	.8	4	3.4	3.5	.1	1.3	.21	34	19	5	2	31	.....	32
281	Little River at State Highway 217 at Linden, N.C.	Max	8.2	.05	2.6	1.1	3.5	1.1	10	6.5	6.4	.2	2.4	.....	47	.....	10	.....	6.4	53	
		Min	3.1	.02	1.0	.4	2.9	.8	4	2.2	2.8	0	.2	.....	24	.....	5	.....	5.4	22	
		Avg	4.7	.03	1.6	.7	3.2	.9	6	2.9	3.6	.1	.7	.....	30	.....	7	.....	.....	35	
282	Cape Fear River at Fayetteville, N.C...	Max	13	.40	8.7	4.4	34	3.2	63	19	31	1.2	3.2	2.4	127	134	34	8	215	6.9	80	
		Min	.9	.00	2.6	.6	2.6	.7	10	4.0	3.2	.0	.3	.00	37	30	11	0	42	5.7	5	
		Avg	7.6	.07	4.9	1.6	12	1.8	24	8.1	11	.3	1.3	.58	68	64	22	1	98	.....	26
284	Rockfish Creek near Hope Mills, N.C.....	Max	6.5	.21	2.7	1.9	3.5	2.0	7	4.5	4.5	.2	1.3	.....	39	23	13	7	43	6.0	70
		Min	3.0	.01	.8	.1	1.7	.1	2	.8	2.2	0	0	.....	19	15	4	0	16	5.0	8
		Avg	4.6	.09	1.6	.6	2.4	.8	4	2.8	3.4	.1	.5	b.00	27	18	6	3	26	.....	30
285	Cape Fear River at William O. Huske Lock near Tarheel, N.C.	Max	13	.35	5.5	2.2	21	2.6	e47	14	15	.5	4.0	.69	87	75	21	8	142	8.8	80	
		Min	1.6	.01	2.0	.6	2.7	.6	8	2.5	3.2	0	0	.00	41	30	10	0	45	5.8	3	
		Avg	7.6	.06	3.5	1.3	8.0	1.5	18	6.2	6.7	.2	1.0	.18	52	44	14	2	77	.....	35

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B109

286	Cape Fear River near Elizabethtown, N.C.	Max Min Avg	9.2 3.8 6.7	.19 .04 .10	6.0 3.4 4.8	1.2 -3 -8	13 5.4 8.4	2.8 1.2 2.0	25 8 16	19 5.6 8.0	9.2 5.2 6.7	-4 -2 0	2.1 1.1 1.1	70 46 54	19 9 12	2 0 1	105 57 77	6.5 5.9 8	
289	Cape Fear River near Acme, N.C.	Max Min Avg	16 1.2 9.2	.56 .00 .11	7.1 2.2 4.0	3.0 2.2 1.4	19 2.8 6.5	2.9 4 1.3	45 9 18	13 4 5.2	20 2.8 6.2	-4 -2 -1	3.6 0 1.9	94 37 57	76 28 46	27 11 16	8 0 1	148 39 68	7.7 5.6 48
292	Little Coharie Creek near Roseboro, N.C.	Max Min Avg	14 1.8 7.2	.77 .00 .22	6.4 1.4 1.5	2.1 .1 .6	13 1.2 5.3	2.1 2 1.0	14 2 5	15 1.3 4.1	11 2.5 6.9	.3 -1 -1	2.2 .1 -8	72 46 56	34 28 28	18 10 6	10 1 2	80 36 47	6.3 5.0 90
294	Black River near Tomahawk, N.C.	Max Min Avg	12 2.6 7.2	.94 .01 .21	5.2 1.4 3.1	1.9 2.2 -9	8.2 2.5 4.4	2.2 7 1.1	17 3 7	14 2.1 5.4	7.7 2.5 6.2	.3 -1 -1	2.3 .1 -6	70 44 56	48 23 33	19 6 11	17 1 5	85 37 53	7.0 5.1 74
296	South River near Parkersburg, N.C.	Max Min Avg	13 1.5 5.8	.91 .02 .24	2.6 .6 1.4	3.9 -1 1.7	3.1 2.7 10	3.1 -6 1.1	6 0 3	19 .5 6.6	66 2.0 7.0	-2 -1 -1	1.9 .1 -5	172 28 64	143 17 32	22 2 6	19 0 4	278 33 55	5.9 4.4 92
298	Black River near Currie, N.C.	Max Min Avg	9.5 1.9 6.3	1.5 .30 .56	2.8 1.6 2.2	1.0 -2 -6	6.3 3.7 4.7	1.7 -6 1.0	9 3 6	6.9 1.1 3.3	8.4 5.3 6.5	-2 -3 0	3.2 .3 -9	89 57 68	37 20 29	10 6 8	7 1 3	54 42 48	7.0 5.3 160
304	Northeast Cape Fear River near Chinquapin, N.C.	Max Min Avg	14 1.3 6.9	.83 .01 .25	17 2.8 5.3	3.3 -2 1.2	33 7 8.6	3.7 -2 1.2	47 4 14	29 .8 5.8	52 3.6 14	-5 -0 -2	6.9 .1 1.6	163 32 70	92 23 48	56 9 18	52 2 8	267 39 85	7.6 5.1 89
307	Northeast Cape Fear River near Burgaw, N.C.	Max Min Avg	10 2.7 6.6	.45 .00 .18	10 3.5 6.0	1.8 1 1.1	21 3.9 9.1	2.3 6 1.3	29 6 15	13 3.2 7.4	34 4.5 14	-3 -3 -1	3.4 .3 1.1	126 46 72	94 29 59	30 12 19	13 0 7	170 48 87	7.4 6.0 55
308	Northeast Cape Fear River at Castle Hayne, N.C.	Max Min Avg	18 2.1 6.1	1.0 .00 .23	27 3.7 7.1	2.9 3 1.1	21 2.0 6.3	4.1 1.8 1.1	74 8 19	16 1.1 6.1	41 4.0 9.9	-4 -1 -2	4.8 .3 1.3	138 17 76	122 29 48	73 13 22	18 0 8	203 46 77	8.3 5.6 153
313	WACCAMAW RIVER BASIN Waccamaw River at Freeland, N.C.	Max Min Avg	11 .8 5.9	2.1 .01 .21	11 2.0 4.6	1.9 -1 1.1	9.0 1.8 4.7	2.0 2 .8	41 4 9	24 .3 4.8	16 3.2 8.8	.3 -1 -0	7.5 .1 .5	128 43 73	63 15 33	34 6 16	26 0 8	155 30 59	6.9 4.1 130

See footnotes at end of table.

Table 3.--Summary of chemical analyses at daily and monthly sampling stations--Continued

No. on pl. 1	Station name	Extremes and average	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids		Hardness as CaCO ₃	Specific con- ductance (Mict- omhos at 25°C)	pH	Color
															Residue at 180°C	Calculated	Calcium magnesium	Non- carbonate		
314	Yadkin River at Patterson, N.C.....	Max	13	0.09	3.8	1.3	3.3	1.9	20	5.2	2.6	0.3	1.3	0.1	32	34	13	0	44	7.4
		Min	8.9	.00	1.4	.2	1.4	.6	11	.3	.5	.0	.0	.00	24	25	7	0	27	6.2
		Avg	11	.03	2.6	.8	2.2	1.0	15	1.9	1.3	.1	.4	.01	29	29	10	0	34	.....
324	Reddies River at North Wilkesboro, N.C.	Max	15	.12	7.1	1.5	3.6	1.7	20	3.5	13	.3	1.6	.1	56	44	22	16	64	7.7
		Min	6.2	.00	1.4	.2	1.5	.4	7	.2	.2	.0	.0	.00	25	20	6	0	24	5.9
		Avg	11	.02	2.5	.7	2.3	1.0	14	2.0	1.8	.0	.5	.01	31	28	9	0	32	.....
325	Yadkin River at Wilkesboro, N.C.....	Max	15	.15	3.4	1.4	3.5	1.7	20	3.3	2.8	.2	1.5	.1	37	34	14	6	37	7.6
		Min	8.7	.00	1.8	.2	1.5	.5	8	.2	.5	.0	.0	.00	23	23	6	0	23	6.1
		Avg	12	.04	2.3	1.0	2.4	1.1	15	2.0	1.4	.1	.3	.01	32	29	10	0	31	.....
333	Fisher River near Copeland, N.C.....	Max	12	.17	3.0	1.2	2.8	1.6	15	3.8	3.8	.2	2.1	.10	34	29	12	1	34	7.2
		Min	5.8	.00	1.3	.2	1.0	.2	9	.1	.6	.0	.0	.00	22	21	7	0	24	6.1
		Avg	9.4	.03	2.2	.8	1.8	.8	12	1.8	1.5	.1	.5	.01	26	25	9	0	28	.....
343	Forbush Creek near Yadkinville, N.C.....	Max	16	.29	4.9	1.8	3.9	2.2	25	5.4	3.8	.2	1.7	.10	51	45	18	4	57	7.4
		Min	7.6	.00	1.4	.7	1.0	.7	11	.2	.4	.0	.0	.00	31	26	10	0	37	6.0
		Avg	13	.06	3.4	1.3	2.2	1.2	21	2.1	2.1	.1	.3	.02	41	37	14	0	43	.....
357	Yadkin River at Yadkin College, N.C.....	Max	18	.30	14	3.4	11	3.9	72	6.8	9.6	.3	3.7	.50	85	70	26	3	136	8.4
		Min	6.2	.00	1.9	.4	1.5	.5	8	.5	.0	.0	.0	.00	32	29	8	0	26	6.1
		Avg	13	.04	3.8	1.2	4.4	1.6	20	3.2	3.5	.1	1.7	.27	45	44	14	0	55	.....
369	South Yadkin River near Mocksville, N.C.	Max	17	.60	5.1	2.0	4.8	2.8	34	4.7	4.2	.9	2.0	.20	59	48	21	4	79	7.5
		Min	8.1	.00	2.4	.4	2.1	.8	13	.2	.0	.0	.2	.00	34	35	12	0	23	6.3
		Avg	15	.07	4.1	1.5	3.1	1.4	25	2.1	2.5	.0	1.1	.06	46	42	16	0	50	.....
371	Hunting Creek near Harmony, N.C.....	Max	14	.17	3.8	1.3	3.5	1.5	17	3.3	3.3	.2	1.6	.10	36	34	14	0	41	7.8
		Min	7.3	.00	1.3	.1	1.5	.7	10	1.1	.4	.0	.0	.00	26	24	4	0	25	6.0
		Avg	12	.05	2.4	.7	2.1	1.1	14	1.6	1.8	.1	.6	.02	31	29	9	0	31	.....

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B111

373	South Yadkin River at Cooleemee, N.C....	Max 17	21	5.2	2.0	36	2.9	110	32	16	.4	2.0	.10	99	121	18	5	198	9.9	45
		Min 8.9	.00	2.4	.7	2.2	.8	13	.3	1.0	.0	.0	.00	30	36	10	0	36	6.4	2
		Avg 13	.04	3.6	1.5	3.2	2.2	45	4.1	2.3	.1	.6	.02	40	75	15	0	65	.....	9
377	Third Creek at Cleveland, N.C.....	Max 26	.23	8.8	4.0	5.5	2.6	25	8.4	5.0	.4	3.5	.10	70	71	34	2	97	7.4	35
		Min 11	.00	4.6	1.5	2.5	1.0	20	1.2	1.2	.0	.0	.00	50	40	18	0	57	6.1	2
		Avg 20	.06	6.1	2.4	4.4	1.7	34	3.5	2.9	.1	.6	.03	59	61	25	0	73	.....	5
396	Abbotts Creek at Lexington, N.C.....	Max 23	.22	15	6.0	48	6.9	90	20	48	.8	7.2	.....	211	171	58	5	346	7.9	45
		Min 10	.01	5.4	2.1	6.8	1.1	24	2.2	4.5	.0	.3	.....	58	83	22	0	106	6.6	3
		Avg 18	.03	8.8	3.3	23	2.7	47	8.5	10	.2	1.2	.....	91	111	35	1	187	.....	13
397	Yadkin River at High Rock, N.C.....	Max 16	.27	5.9	1.9	8.5	3.3	34	6.2	5.8	.3	2.6	.03	58	59	21	1	87	7.4	65
		Min 7.2	.01	2.0	.8	2.4	.6	15	.5	1.2	.0	.3	.00	36	38	8	0	28	6.3	2
		Avg 11	.03	3.9	1.6	5.1	1.9	21	4.1	3.0	.1	.8	.01	44	48	16	0	65	.....	11
408	Uwharrie River near Eldorado, N.C.....	Max 21	.19	8.8	4.1	7.1	2.1	56	8.2	5.0	.6	2.1	.25	72	69	39	15	103	7.4	150
		Min 6.1	.00	3.1	1.3	2.9	.4	13	.3	1.5	.0	.0	.00	34	36	14	0	56	5.1	4
		Avg 14	.05	6.4	2.7	4.9	1.2	35	4.2	4.1	.1	.9	.05	58	55	27	1	81	.....	22
415	Rocky River at Harrisburg, N.C.....	Max 26	.46	13	4.7	112	4.0	181	31	77	.6	2.2	.....	360	292	51	0	619	8.1	60
		Min 12	.02	4.8	1.9	7.0	1.0	29	3.4	3.7	.1	.2	.....	65	106	20	0	82	6.7	10
		Avg 21	.16	9.1	3.6	42	2.6	171	13	25	.2	1.2	.....	173	170	37	0	259	.....	23
416	Coddle Creek near Concord, N.C.....	Max 27	.17	8.7	3.8	7.6	3.1	52	6.7	7.5	.6	1.7	.....	79	81	34	0	102	7.5	18
		Min 16	.00	4.8	1.9	4.4	1.0	30	.6	2.5	.0	.5	.....	49	70	22	0	70	6.3	2
		Avg 23	.03	7.4	2.8	5.7	1.8	44	3.0	3.6	.1	1.0	.....	66	73	30	0	91	.....	10
417	Coddle Creek near Harrisburg, N.C.....	Max 26	.29	8.3	4.4	6.1	2.9	52	8.3	4.8	.2	1.2	.....	83	83	39	2	101	7.4	65
		Min 12	.00	5.6	2.7	2.7	.9	30	2.4	2.2	.0	.1	.....	54	70	26	0	71	6.6	5
		Avg 22	.06	7.2	3.3	5.0	1.7	41	4.6	3.7	.1	.6	.....	70	76	32	0	89	.....	19
419	Rocky River near Rocky River, N.C.....	Max 26	.42	11	5.3	63	3.3	298	28	100	.3	7.6	.....	234	190	50	1	401	8.0	100
		Min 19	.00	6.0	2.0	5.5	.9	29	2.7	4.5	.0	.3	.....	60	97	25	0	81	6.6	5
		Avg 21	.08	8.9	3.6	26	2.2	93	10	24	.2	1.4	.....	125	144	38	0	195	.....	23
420	Irish Buffalo Creek near Concord, N.C.	Max 43	.34	18	7.0	422	28	909	111	211	.9	4.3	.....	1,250	.....	70	0	1,850	9.7	110
		Min 13	.01	6.0	2.7	29	2.1	65	11	10	.1	.6	.....	149	.....	26	0	119	7.0	20
		Avg 35	.16	14	4.4	261	12	538	60	102	.4	1.4	.....	813	872	53	0	1,129	.....	69
421	Irish Buffalo Creek at Faggarts Cross-roads, N.C.	Max 39	.44	16	5.6	492	41	806	112	220	1.2	3.4	.....	1,000	1,185	61	0	1,730	10.4	120
		Min 15	.02	6.0	.3	208	12	303	19	65	.8	.7	.....	596	1,070	16	0	925	6.9	5
		Avg 32	.10	14	3.3	309	20	529	71	133	1.0	1.5	.....	844	1,128	47	0	1,367	.....	50

See footnotes at end of table.

Table 3.—Summary of chemical analyses at daily and monthly sampling stations—Continued

Map No.	Station name	Extremes and average	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids		Hardness as CaCO ₃	Specific conductance (microhm-cm at 25°C)	pH	Color
															Residue at 180°C	Calculated				
422	Rocky River near Concord, N.C.	Max	37	0.31	99	6.9	190	13	386	41	168	0.8	7.7	....	554	607	263	126	1,100	8.4
		Min	12	.00	6.6	2.5	6.9	1.5	34	3.6	4.5	.0	.1	....	63	193	27	0	83	6.4
		Avg	23	.09	14	4.2	79	5.8	175	22	54	.2	1.5	....	238	378	53	5	477	....
424	Dutch Buffalo Creek near Mount Pleasant, N.C.	Max	23	.30	15	7.0	11	2.7	84	8.2	19	.7	4.5	....	107	119	68	12	190	7.3
		Min	13	.00	8.0	2.8	5.1	.8	34	3.8	4.0	.0	.1	....	66	87	33	0	102	6.6
		Avg	18	.05	12	4.5	6.9	1.5	59	5.4	6.3	.2	1.3	....	87	103	48	2	136	....
426	Dutch Buffalo Creek at Georgeville, N.C.	Max	19	.11	15	7.0	9.2	2.8	88	12	8.4	.2	2.0	....	95	109	66	8	178	7.6
		Min	9.1	.00	4.4	2.7	3.3	.4	20	3.1	2.5	.0	.3	....	50	75	22	0	63	6.7
		Avg	15	.03	10	4.5	6.2	1.6	52	7.5	6.0	.1	1.0	....	76	96	43	2	120	....
427	Rocky River near Midland, N.C.	Max	36	.53	16	6.3	138	8.2	286	42	103	.5	4.8	....	454	439	62	1	755	8.0
		Min	12	.02	6.4	2.4	6.5	1.4	32	8.4	3.3	.0	.2	....	64	162	26	0	88	6.5
		Avg	22	.12	11	4.5	63	4.7	126	21	42	.2	1.5	....	213	298	45	0	385	....
430	Big Bear Creek near Albemarle, N.C.	Max	13	.24	7.4	4.1	6.1	2.4	42	8.1	8.6	.2	2.2	....	82	57	30	4	108	7.4
		Min	4.8	.01	3.3	1.7	4.7	.4	8	3.3	4.0	.0	.2	....	40	47	15	0	54	5.7
		Avg	9.4	.08	5.3	2.3	5.3	1.2	24	5.5	5.8	.1	2.2	....	53	50	23	2	78	....
432	Rocky River at Gaddy near Norwood, N.C.	Max	26	.49	18	25	172	12	257	44	150	.6	1.2	3.3	552	526	140	17	948	8.4
		Min	1.9	.00	4.0	1.0	2.1	.6	8	0	1.5	.0	.0	.00	45	40	12	0	38	6.1
		Avg	14	.06	9.0	3.6	44	3.8	89	16	29	.2	2.3	.84	168	133	37	0	244	....
433	Rocky River near Norwood, N.C.	Max	16	1.0	13	5.2	99	6.0	196	30	58	.3	4.2	.57	204	314	52	4	521	7.7
		Min	3.8	.01	3.4	1.2	4.7	1.1	16	5.4	4.0	.0	.0	.00	63	44	16	0	67	6.3
		Avg	11	.03	6.4	2.9	22	3.1	42	8.6	10	.2	.8	.21	79	145	28	1	227	....
438	Little River near Mount Gilead, N.C.	Max	18	.18	7.2	3.3	9.1	1.7	50	4.9	6.0	.6	2.0	....	62	....	32	1	102	7.1
		Min	1.7	.01	2.8	.3	5.5	.5	16	3.5	2.5	.0	.3	....	42	....	10	0	51	6.3
		Avg	15	.06	4.1	1.2	5.4	1.1	24	1.9	4.2	.1	.8	....	52	b56	15	0	63	....

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B113

441	Fee Dee River near Rockingham, N.C.....	Max Min Avg	20 4.7 11	.33 .00 .04	7.3 4.9 3.0	2.9 .4 1.7	15 2.7 7.6	3.4 .8 1.8	44 15 27	8.8 1.0 5.2	28 1.5 5.7	.9 .1 1.6	4.2 .3 1.4	.42 .14 1.0	84 38 57	75 11 58	27 11 19	4 0 0	152 41 80	7.8 6.2 ...	60 0 21
448	Drowning Creek near Hoffman, N.C.....	Max Min Avg	7.0 1.3 4.0	.50 .02 .04	2.4 .4 1.1	.9 .0 .5	2.9 1.3 2.6	.9 0 .5	8 6 6	4.4 1.9 1.1	4.0 2.8 2.5	.6 .0 .2	2.5 .0 .2	.01 .00 .00	44 19 26	19 9 14	9 1 5	6 1 1	31 15 20	6.3 5.1 ...	120 17 49
449	Lumber River above Maxton, N.C.....	Max Min Avg	7.9 1.3 4.7	.58 .09 .20	1.6 .8 1.1	.6 .3 .3	3.0 2.0 2.5	.8 .3 .5	5 3 3	5.3 1.3 3.2	4.5 3.0 3.5	.0 .0 .0	.7 .0 .3	.... .... ....	51 25 36	22 13 26	5 3 4	4 2 2	40 23 30	6.0 4.9 ...	120 28 59
453	Lumber River at Boardman, N.C.....	Max Min Avg	11 .8 5.6	.67 .00 .08	2.6 1.0 1.8	1.3 .1 .8	5.5 2.2 3.7	1.3 .4 .8	10 1 6	7.9 6 3.6	9.6 1.5 4.8	.2 .0 .4	1.9 .0 .4	.2 .0 .3	76 23 45	36 17 26	11 3 8	9 0 4	61 31 41	6.2 4.7 ...	210 25 103
458	Santee River Basin Catawba River near Marion, N.C.....	Max Min Avg	15 7.3 9.9	.10 .00 .05	3.7 1.8 2.5	1.4 .2 .9	20 1.9 3.9	1.4 .5 1.0	36 9 14	5.6 1.1 2.5	15 6 1.5	.2 .0 .1	3.2 .0 .3	.30 .00 .1	55 25 34	64 25 43	14 7 10	0 0 0	113 27 59	7.5 6.0 ...	22 0 6
485	Catawba River at Lookout Shoals Dam, N.C.	Max Min Avg	13 8.0 10	.10 .00 .02	5.8 2.5 3.4	1.5 .3 .9	17 3.1 5.1	2.7 .8 1.2	23 12 18	4.8 1.8 3.1	17 2.9 4.8	.3 .0 .1	7.5 .0 1.5	.20 .00 .08	51 28 39	47 34 40	20 9 12	8 0 0	115 56 51	7.5 6.3 ...	40 0 11
487	Catawba River at Catawba, N.C.....	Max Min Avg	14 1.1 8.1	.13 .00 .02	7.4 2.0 3.0	2.8 .5 1.1	7.2 1.8 4.5	2.0 .6 1.3	37 10 16	11 .8 3.0	6.5 1.2 2.3	.2 .0 .1	3.4 .0 .7	.00 .00 .00	67 26 35	62 23 34	24 8 14	0 0 0	61 29 53	7.4 6.3 ...	22 2 6
503	Henry Fork near Henry River, N.C.....	Max Min Avg	14 4.8 9.0	.14 .00 .03	2.6 1.0 1.8	1.2 .1 .6	3.1 1.0 1.6	2.8 .4 1.0	12 9 6	5.6 3 2.8	2.8 .5 1.4	.2 .0 .1	1.7 .0 .4	.00 .00 .00	34 20 27	30 16 23	10 4 7	2 0 0	46 18 28	7.2 5.7 ...	35 2 10
508	South Fork Catawba River at Lincoln- ton, N.C.	Max Min Avg	14 7.3 11	.19 .02 .07	4.2 1.9 3.1	2.4 .8 1.3	10 4.6 6.2	2.8 1.1 1.6	24 10 18	10 2.2 3.9	8.5 2.0 5.2	.1 .0 .1	1.3 .4 .7	.... .... ....	61 31 42	.... 8	16 8 13	.... .... ....	70 38 55	7.0 6.0 ...	16 3 8
510	Indian Creek near Laboratory, N.C.....	Max Min Avg	16 6.7 13	.27 .00 .05	5.3 1.9 3.8	2.4 .8 1.6	3.6 1.6 2.6	2.4 .8 1.4	28 11 21	5.6 2 2.6	4.5 .4 2.2	.6 .0 .1	2.4 .1 .9	.07 .00 .01	50 33 40	45 12 42	23 12 16	3 0 1	57 49 ...	7.5 5.8 ...	32 0 10
515	South Fork Catawba River near Stanley, N.C.	Max Min Avg	25 4.5 12	.21 .00 .04	6.1 2.1 3.8	2.4 .8 1.5	12 1.2 5.6	3.2 1.1 1.8	30 8 23	9.4 .4 3.8	14 1.6 6.2	.2 .0 .1	1.5 .0 .6	.23 .00 .02	68 29 50	72 24 42	21 9 15	2 0 0	103 33 63	7.2 5.8 ...	110 2 14

See footnotes at end of table.

Table 3.—Summary of chemical analyses at daily and monthly sampling stations—Continued

Map No.	Station name	Extremes and average	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Residue at 180°C	Calculated	Calcium, magnesium	Non-carbonate	Specific conductance (Microhm-cm at 25°C)	pH	Color
Santee River BASIN—Continued																					
518	South Fork Catawba River at Lowell, N.C.	Max	24	0.23	6.3	2.6	21	2.5	34	8.2	33	0.3	3.3	0.38	64	95	24	6	160	7.4	80
		Min	8.8	.00	3.1	.9	2.6	.9	16	1.0	2.6	.0	.0	.00	39	39	12	0	46	6.0	2
		Avg	14	.04	4.1	1.6	5.5	1.4	22	3.4	4.1	.1	.9	.12	46	54	17	1	58	...	5
520	Crowders Creek near Gastonia, N.C.....	Max	25	.22	58	9.3	61	11	189	383	40	.2	3.3	....	313	245	184	42	1,290	9.4	20
		Min	8.4	.00	5.4	.8	3.9	1.0	12	2.6	1.5	.0	.5	....	65	62	18	0	68	6.4	2
		Avg	20	.04	18	3.0	21	2.7	48	58	10	.2	1.2	b.2	137	144	55	20	262	....	10
528	Little Sugar Creek near Charlotte, N.C.	Max	30	.30	44	6.6	50	9.8	136	103	33	.9	5.6	2.4	244	238	113	57	384	10.1	37
		Min	8.4	.00	7.8	.9	55	1.4	19	5.8	3.5	.0	.0	.00	72	66	31	0	108	5.9	3
		Avg	20	.04	20	4.8	19	3.1	81	24	14	.3	1.6	.33	148	143	69	5	230	....	17
544	Green River near Mill Spring, N.C.....	Max	12	.05	2.6	1.1	4.4	.8	16	2.7	2.6	.1	.6	....	32	.....	11	....	56	6.8	7
		Min	9.4	.01	1.8	.7	2.3	.4	10	1.4	1.2	.0	.2	....	24	.....	7	....	25	6.1	3
		Avg	11	.02	2.1	.8	2.9	.6	13	1.9	1.7	.1	.4	....	28	.....	9	....	30	....	4
549	Second Broad River at Cliffside, N.C....	Max	19	.38	7.6	2.4	28	2.4	39	8.8	32	.2	4.5	.10	77	110	23	2	189	7.6	70
		Min	9.6	.00	2.0	.3	2.6	.4	7	4.4	.5	.0	.0	.00	36	32	6	0	26	5.9	2
		Avg	15	.04	3.8	1.4	6.8	1.2	23	2.8	5.4	.0	1.5	.05	51	53	16	0	68	....	10
550	Broad River near Boiling Springs, N.C..	Max	17	.17	9.9	2.3	6.1	2.0	36	5.3	95	.2	3.5	1.5	57	51	32	20	105	7.5	50
		Min	6.1	.00	1.8	.3	1.1	.4	3	2.2	.5	.0	.0	.00	26	29	8	0	16	6.0	0
		Avg	13	.03	3.0	.9	3.3	1.0	17	2.0	2.3	.1	1.0	.07	37	36	10	0	40	....	11
553	First Broad River near Lavndale, N.C....	Max	14	.21	4.9	1.4	9.1	1.9	25	5.6	5.9	.3	1.1	.2	50	41	18	0	61	7.3	40
		Min	7.9	.00	1.8	.2	1.3	.5	10	1.1	.5	.0	.0	.00	29	25	8	0	32	6.1	1
		Avg	11	.03	2.6	1.1	4.5	1.1	18	3.0	2.6	.0	.5	.02	36	34	11	0	44	....	4
KANAWHA RIVER BASIN																					
563	South Fork New River near Jefferson, N.C.	Max	13	.14	3.8	1.8	3.1	1.4	18	6.4	3.6	.3	4.1	.10	39	29	16	4	44	7.2	16
		Min	6.5	.00	1.5	.4	1.2	.4	9	.1	.3	.0	.1	.00	26	18	6	0	19	5.8	2
		Avg	10	.05	2.9	1.1	2.3	.8	15	2.3	1.7	.1	.9	.01	30	25	12	1	34	....	6

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B115

TENNESSEE RIVER BASIN		Max		Min		Avg		1.5		2.4		1.2		2.3		1.6		12		2.8		2.9		.2		2.3		.30		30		21		9		2		28		7.3		25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
574	French Broad River at Roman, N.C.....	Max	11	3.9	.00	.7	.1	.4	.1	5	.1	.1	.0	.0	.00	11	12	2	0	12	5.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0	17	.5	0

See footnotes at end of table.

Table 3.--Summary of chemical analyses at daily and monthly sampling stations--Continued

No. on Pl. 1	Station name	Extremes and average	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids		Hardness as CaCO ₃	Specific conductance (Microhm-cm at 25°C)	pH	Color	
															Residue at 180°C	Calculated	Calcium, magnesium, carbonate				
TENNESSEE RIVER BASIN--Continued																					
597	French Broad River at Asheville, N.C....	Max	13	0.71	10	4.8	47	17	102	79	40	0.3	11	1.4	234	202	46	8	395	7.2	80
		Min	4.4	.00	2.2	.2	4.0	.4	10	5.6	2.3	.0	.0	.00	35	32	8	0	47	5.9	0
		Avg	9.7	.05	4.2	1.7	17	1.7	25	23	6.2	.1	1.3	.21	80	79	15	0	122	...	18
599	Ivy River near Marshall, N.C.....	Max	18	.18	6.2	2.6	4.2	2.3	37	11	4.0	.2	7.6	.10	56	53	26	6	100	7.6	35
		Min	8.8	.00	2.8	.6	2.0	.6	16	1.6	.4	.0	.0	.00	38	31	11	0	40	6.4	3
		Avg	14	.06	4.8	1.9	3.2	1.5	26	3.4	1.9	.1	1.4	.05	48	44	20	0	60	...	8
600	French Broad River at Marshall, N.C....	Max	14	.26	8.5	2.9	48	3.9	43	79	16	.3	14	.97	189	180	31	14	296	7.8	90
		Min	3.2	.00	2.2	.2	3.5	.2	8	2.8	1.0	.0	.1	.00	34	36	7	1	48	5.5	0
		Avg	11	.07	4.5	1.4	13	1.5	21	21	4.4	.1	2.2	.28	75	74	17	1	104	...	19
601	Big Laurel Creek near Stackhouse, N.C.	Max	14	.50	6.2	1.8	3.5	1.8	32	5.6	4.6	.3	2.1	.1	49	41	21	2	73	7.7	160
		Min	7.6	.00	2.4	.6	1.7	.4	13	8.8	.2	.0	.0	.00	32	27	10	0	33	6.3	2
		Avg	11	.06	3.8	1.2	2.9	1.0	19	3.0	1.5	.1	.4	.05	37	31	14	0	46	...	8
602	French Broad River at Hot Springs, N.C.	Max	13	.27	8.2	2.7	35	8.7	45	60	8.5	.3	3.3	.30	143	130	27	6	220	7.1	48
		Min	4.6	.00	2.3	.5	2.3	.6	8	3.6	1.5	.0	.0	.00	36	22	8	0	36	5.9	2
		Avg	9.5	.05	3.7	1.4	11	2.2	19	18	3.6	.1	1.1	.06	62	65	15	1	96	...	16
606	Pigeon River at Canton, N.C.....	Max	9.1	.08	3.0	1.1	2.7	1.4	14	3.8	3.3	.4	1.4	.10	37	26	10	2	32	7.0	30
		Min	5.4	.00	1.0	.1	.4	.1	6	1.1	1.1	.0	.0	.00	13	14	3	0	15	5.7	0
		Avg	7.0	.02	1.8	.5	1.3	.6	9	1.6	1.1	.0	.4	.01	21	19	6	0	21	...	9
609	Pigeon River near Hepco, N.C.....	Max	15	.80	11.2	12	165	5.9	193	71	281	.9	3.4	.50	862	667	296	206	1,230	7.6	640
		Min	4.6	.00	7.4	.4	3.8	.6	12	1.9	5.2	.0	.1	.00	56	39	22	0	85	6.0	20
		Avg	9.5	.20	32	1.6	46	2.2	57	24	84	.3	.8	.06	284	243	88	41	411	...	167
610	Catalochee Creek near Catalochee, N.C.	Max	9.0	.08	1.8	.9	2.0	1.3	11	2.2	2.0	.2	2.7	.05	25	22	7	2	23	6.9	30
		Min	5.3	.00	.5	.1	.6	.2	5	.4	.1	.0	.0	.00	8	12	2	0	12	5.5	3
		Avg	7.4	.01	1.2	.3	1.1	.5	7	1.1	.9	.0	.4	.00	18	16	4	0	15	...	9

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B117

611	Pigeon River at Waterville, N.C.....	Max 6.5	1.0	55	7.3	83	7.5	111	51	136	.5	3.3	.10	505	337	149	84	648	7.5	400	
	Min	6.2	.24	23	1.6	32	7.2	.6	15	4.8	.0	.1	.00	62	62	21	1	106	6.2	10	
	Avg	9.1					2.0	46	17	56	.2	.7	.02	196	181	58	26	296	...	112	
612	North Toe River at Altapass, N.C.....	Max	13	14	3.7	1.3	2.3	1.2	21	4.1	2.0	2.4	....	35	28	14	4	64	7.0	24
	Min	6.1	.00	.7	.6	1.0	2.2	.7	2	.2	.5	.0	....	25	24	8	0	28	6.3	2
	Avg	9.1	.04	3.0	1.1	2.1	2.1	.6	15	2.4	1.5	.0	b.02	29	25	11	1	33	...	5	
614	South Toe River at Newdale, N.C.....	Max	8.0	.05	2.2	.8	1.8	1.1	9	2.7	1.5	.2	.6	22	....	8	....	25	7.3	14
	Min	5.5	.01	.8	.3	.6	.3	3	1.6	.8	.0	.1	....	14	....	3	....	14	5.9	1
	Avg	6.6	.03	1.5	.5	1.4	.6	6	1.9	1.1	.1	.3	....	18	....	6	....	17	...	5
615	Cane River near Sioux, N.C.....	Max	14	.17	4.8	1.9	4.4	1.3	27	4.0	2.5	.3	3.7	3	43	39	18	4	55	8.4	20
	Min	8.1	.00	2.2	.6	1.1	.4	11	.2	.2	.0	.1	.00	28	24	9	0	28	6.1	2	
	Avg	11	.06	3.5	1.2	2.7	1.0	18	2.3	1.5	.1	.9	.08	35	36	13	0	42	....	6
616	Nolichucky River at Poplar, N.C.....	Max	13	.14	4.3	1.7	3.3	2.3	21	5.8	3.2	1.3	2.9	45	36	18	4	71	7.4	33	
	Min	6.3	.00	2.4	.3	1.9	.9	9	1.8	.5	.2	.0	....	30	29	7	0	34	6.3	2
	Avg	10	.01	3.2	1.1	2.7	1.2	14	3.5	2.0	.6	.1	b.03	35	32	12	1	45	....	5
617	Watauga River near Sugar Grove, N.C....	Max	15	.20	7.1	2.7	4.2	1.9	32	6.3	3.5	.3	4.1	42	51	26	6	69	7.5	27	
	Min	7.1	.00	2.3	.5	1.4	.5	.8	1.3	.8	.0	.0	.00	26	26	9	0	31	6.0	0	
	Avg	9.4	.05	3.8	1.0	2.6	1.2	16	2.7	2.4	.1	1.4	.02	35	39	13	1	46	....	10
619	Little Tennessee River near Prentiss, N.C.	Max	13	.16	3.3	2.2	3.8	1.5	15	4.0	3.8	.2	2.1	33	31	10	1	47	7.2	27	
	Min	6.1	.00	1.0	.2	.9	.3	7	.1	.2	.0	.0	.00	19	16	3	0	16	5.7	2	
	Avg	9.3	.04	1.9	.6	2.0	.9	10	1.8	1.8	.1	.6	.11	25	22	7	0	26	....	8
622	Cullasaja River at Cullasaja, N.C.....	Max	11	.11	2.4	.9	2.6	1.4	16	2.8	2.0	.2	.9	3	28	25	14	1	29	7.2	35
	Min	4.3	.00	.8	.1	.5	.2	4	.1	.0	.0	.0	.00	15	11	3	0	12	5.5	0	
	Avg	7.4	.03	1.6	.4	1.3	.5	9	1.2	1.0	.0	.3	.03	21	18	6	0	20	....	9
628	Tuckasee River at Dillsboro, N.C.....	Max	11	.37	3.8	1.9	56	2.2	84	70	5.9	.4	2.3	276	130	14	3	250	7.1	350	
	Min	4.8	.00	1.1	.1	.5	.2	7	.3	.1	.0	.0	.00	16	14	4	0	13	5.7	0	
	Avg	7.8	.04	2.0	.5	7.4	.8	17	8.3	1.2	.1	.6	.01	47	33	7	0	50	....	46
629	Connelly Creek at Whittier, N.C.....	Max	12	.04	1.8	.6	2.1	1.1	13	1.5	1.1	.1	1.0	26	22	6	0	30	6.8	17	
	Min	9.4	.00	1.0	.2	1.0	.6	7	.3	.4	.0	.1	....	23	18	3	0	18	6.2	3
	Avg	11	.02	1.4	.3	1.5	.7	10	1.0	.7	.1	.6	....	25	20	5	0	23	....	5
630	Oconaluftee River at Cherokee, N.C....	Max	8.3	.04	2.0	.9	2.5	1.0	10	3.5	1.0	.2	.7	24	....	9	....	....	....	13
	Min	3.0	.01	1.0	.4	1.1	.6	.6	.9	.2	.0	.2	....	12	....	4	....	....	....	3
	Avg	5.8	.02	1.4	.5	1.8	.8	.8	1.9	.6	.1	.4	....	18	....	6	....	....	....	6

See footnotes at end of table.

Table 3.--Summary of chemical analyses at daily and monthly sampling stations--Continued

No. on Pl. 1	Station name	Extremes and Average	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids		Hardness as CaCO ₃	Specific conductance (Microhm-cm at 25°C)	pH	Color
															Residue at 180°C	Calculated	Calcium, magnesium	Non-carbonate		
631	TENNESSEE RIVER BASIN--Continued Oconaluftee River at Birdtown, N.C.....	Max	9.8	0.07	2.0	0.9	1.9	0.8	11	3.9	2.0	0.2	1.5	0.05	21	20	8	2	24	17
		Min	5.9	.00	.8	.1	.7	.2	5	.1	.0	.0	.0	.00	15	14	3	0	15	0
		Avg	7.4	.02	1.4	.4	1.0	.5	8	1.4	.8	.1	.4	.01	19	17	5	0	19	6
632	Deep Creek near Bryson City, N.C.....	Max	8.0	.05	1.8	.6	1.7	.8	9	2.2	1.0	.1	.5	....	20	15	7	0	19	13
		Min	4.6	.00	.9	.1	.6	.3	4	.2	.1	.0	.1	....	9	13	2	0	12	2
		Avg	6.5	.02	1.2	.3	1.3	.5	7	1.7	.7	.0	.2	b.00	15	14	4	0	14	5
633	Tuckasee River at Bryson City, N.C....	Max	13	.79	3.7	2.3	2.9	2.3	43	34	36	.3	3.6	.21	137	78	16	4	175	280
		Min	2.4	.00	1.0	.1	1.2	.2	2	.5	.4	.0	.0	.00	19	19	5	0	19	1
		Avg	8.7	.08	2.4	.6	7.2	.9	17	8.3	2.5	.0	.3	.03	46	35	8	0	50	41
635	Hiwassee River below Chatuge Dam near Hayesville, N.C.	Max	8.4	.10	2.8	1.2	2.6	1.2	15	2.8	1.9	.2	1.2	.01	26	24	12	3	27	20
		Min	3.4	.00	1.0	.1	1.4	.2	3	.2	.3	.0	.1	.00	11	14	4	0	18	1
		Avg	6.1	.03	1.8	.7	1.3	.7	11	1.2	1.0	.1	.7	.00	20	17	7	0	22	7
636	Hiwassee River above Murphy, N.C.....	Max	12	.23	2.8	1.3	2.7	.9	16	4.0	2.0	.3	.9	.1	28	28	12	0	28	23
		Min	4.1	.00	1.3	.3	.8	.3	7	.1	.1	.0	.0	.00	15	15	6	0	19	0
		Avg	7.1	.04	1.8	.7	1.3	.6	11	1.5	.9	.1	.4	.01	21	21	8	0	21	8
637	Valley River at Tomotla, N.C.....	Max	10	.16	8.5	1.6	2.5	1.4	32	3.7	2.8	.2	1.0	.5	39	40	25	3	66	25
		Min	5.2	.00	2.6	.3	.4	.2	9	.2	.2	.0	.1	.00	20	20	8	0	22	6
		Avg	7.3	.04	4.4	1.0	1.8	.7	18	2.3	1.5	.1	.5	.04	30	26	15	0	40	7

a Subject to occasional sea-water encroachment during prolonged periods of low streamflow or unusually high ocean tides. Records for periods of sea-water intrusion are not included.

b Only one analysis of this constituent reported.

c Contains 6 mg/l of carbonate (CO₃).

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected

[Chemical constituents shown in milligrams per liter, except specific conductance, pH, and color. Single values represent the only analysis available.]

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium magnesium	Non-carbonate	Specific conductance (microhmhos at 25°C)	pH	Color
1	PASQUOTANK RIVER BASIN Pasquotank River tributary near Elizabeth City, N.C.	6 Max Min	20 6.8	1.3 .54	29 4.5	16 1.8	57 5.1	5.9 .3	238 2	18 5.6	44 5.0	0.5 .3	6.0 .3	.....	.....	311 70	136 9	105 0	503 62	7.1 4.8	200
6	CHOWAN RIVER BASIN Potomasi Creek near Union, N.C.....	25 Max Min	23 2.5	.81 .00	7.6 2.3	2.4 .9	17 2.4	2.1 1.1	53 5	19 1.7	17 3.0	.2 .0	2.1 .0	.10 .00	.10 .00	88 25	29 10	13 0	139 40	7.4 5.5	150 10
8	Cole Creek near Gatesville, N.C.....	6 Max Min	.....	.....	9.0 3.2	3.4 1.3	17 4.2	2.0 .9	64 12	15 1.0	8.0 5.0	.....	3.9 .6	.....	.....	.....	36 13	3 0	158 58	6.8 6.0	.....
9	Ahoksie Creek near Rich Square, N.C..	6 Max Min	23 6.0	1.3 .00	3.7 2.1	2.4 .5	15 2.4	2.2 .9	14 3	15 3.6	24 4.0	.3 .1	2.2 .3	.24 .00	.24 .00	81 27	18 9	11 4	113 38	6.4 5.2	160 20
10	Ahoksie Creek at Mintons Store, N.C..	6 Max Min	27 6.0	.68 .01	5.3 2.6	1.9 .5	9.7 3.3	1.5 1.1	30 1	10 2.6	12 3.5	.3 .1	.9 .4	.04 .00	.04 .00	74 28	20 10	10 0	86 44	6.7 5.0	140 30
11	Ahoksie Creek at Ahoksie, N.C.....	26 Max Min	26 5.2	1.4 .01	9.0 2.0	3.7 .3	34 2.2	6.5 1.1	130 4	26 1.4	12 3.6	.3 .0	1.8 .0	.19 .00	.19 .00	79 27	31 8	21 0	266 38	7.0 5.4	180 15
12	Ahoksie Creek tributary at Poor Town, N.C.	8 Max Min	39 4.9	.53 .02	3.5 2.4	1.8 .6	7.8 2.8	2.2 .6	19 4	9.4 4.2	9.0 4.4	.3 .0	1.1 .1	.10 .00	.10 .00	74 29	15 10	10 0	69 48	6.7 5.2	140 20
13	Ahoksie Creek near Powellsville, N.C.	2 Max Min	14.....	.43	7.2 5.9	2.8 2.4	29 10	4.5 1.9	71 22	22 2.0	16 6.0	.2 .2	4.3 .4	.60 .60	.60 .60	114 80	29 34	11 20	190 128	7.5 6.5	78 105
14	Ahoksie Creek at Bethlehem, N.C.....	2 Max Min	12	1.7	8.2 6.6	3.6 3.4	12 9.6	3.0 2.0	54 18	27 4.6	7.6 6.7	.2 .2	1.2 .7	.50 .50	.50 .50	80 32	20 32	0 0	125 125	5.8 5.8	105
15	Whiteoak Swamp near Bethlehem, N.C....	2 Max Min	27 24	.83 .76	16 7.4	5.8 3.5	262 127	9.7 6.7	185 179	4.8 3.3	365 105	.7 .4	1.5 1.2	.60 .60	.60 .60	782 370	63 33	0 0	1440 655	7.0 7.0	140 50
16	Flat Swamp near Cofield, N.C.....	2 Max Min	37 36	.96 .23	5.8 4.4	2.9 1.9	10 9.8	1.2 1.0	40 32	1.1 .4	1.1 9.4	.1 .1	1.2 .1	.10 .10	.10 .10	86 84	26 19	0 0	105 88	6.7 6.5	76 60

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B121

17	Chinkapin Creek near Bethlehem, N.C.	3	Max 49	.48	18	6.8	12	5.0	123	2.4	6.0	.4	1.0	.30	161	74	13	221	6.9	45
		Min	23	.00	8.2	2.2	6.4	2.4	29	2.0	5.2	.2	.7		73	30	0	95	6.2	5
18	Duke Swamp at Sunbury, N.C.	3	Max .....	.....	3.2	2.0	4.8	1.0	25	5.6	7.2	.....	3.9	.....	.....	16	5	70	6.0	.....
		Min	.....	.....	1.5	1.4	4.6	.9	7	1.4	5.8	.....	1.0	.....	.....	10	0	52	5.5	.....
ROANOKE RIVER BASIN																				
20	Dan River near Francisco, N.C.	26	Max 13	.15	4.3	1.8	3.3	1.1	17	4.4	3.5	.3	1.8	.10	32	14	3	41	7.0	35
		Min	8.8	.00	1.8	.3	1.4	.6	11	.2	.5	.0	.1	.00	24	9	0	27	6.2	1
21	Snow Creek near Prestonville, N.C.	2	Max 16	.15	4.2	2.2	2.2	1.2	26	2.8	2.0	0.1	0.3	.02	42	20	0	50	6.9	25
		Min	14	.02	3.5	1.7	2.3	.8	24	1.0	1.3	.0	.2		40	16	0	48	6.8	5
22	Snow Creek tributary near Prestonville, N.C.	2	Max 29	.13	6.7	2.1	5.2	1.4	38	1.6	3.2	.0	.6	.....	67	25	0	74	7.4	.....
		Min			3.4	1.7			25	.3	1.5		.3	.....	15	0	0	50	6.6	.....
23	Town Fork Creek at Walnut Cove, N.C.	8	Max 23	.09	8.7	3.2	5.7	1.9	50	8.0	3.5	.2	1.0	.10	65	32	0	94	7.1	15
		Min	17	.06	4.5	1.3	4.9	1.8	29	.1	2.0		.3	.00	54	17	0	60	6.7	
24	Belews Creek near Pine Hall, N.C.	10	Max 31	.27	6.7	3.6	6.0	1.7	42	8.2	4.8	.1	.8	.00	75	28	2	79	7.5	15
		Min	19	.06	4.6	1.2	4.0	1.1	25	.3	1.8	.0	.3		55	17	0	57	6.3	
25	Big Beaver Island Creek near Madison, N.C.	9	Max 17	.02	9.6	3.4	5.2	1.6	58	4.0	3.0	.2	.5	.00	54	38	0	110	7.4	10
		Min			3.3	1.2	3.6	.8	21	1.0	1.0					13	0	44	6.4	
27	Hogan Creek near Madison, N.C.	8	Max 17	.18	4.8	1.8	4.0	1.5	31	1.8	3.4	.1	.7	.00	44	16	0	58	7.5	19
		Min		.00	2.8	.8	2.8	.8	21	.2	.4		.1		41	13	0	41	6.4	5
31	Town Creek near Leaksville, N.C.	2	Max 30	2.1	7.6	3.1	7.3	1.6	49	2.9	4.4	.1	1.1	.....	81	32	0	100	7.3	.....
		Min	29	.42	6.8	2.7	6.9	1.5	44	2.3	3.5	.1	.6	.....	77	28	0	93	7.0	.....
32	Wolf Island Creek near Pelham, N.C.	10	Max 19	.07	9.4	4.3	7.9	2.4	81	5.3	11	.2	1.5	2.8	78	42	2	186	7.3	12
		Min	15	.03	4.4	1.0	4.7	1.1	26	1.2	2.5	.0	.2	.00	72	20	0	67	6.4	5
33	Hogans Creek near Reidsville, N.C.	2	Max 21	.30	12	5.5	5.9	1.6	70	1.7	4.2	.0	.9	.....	87	52	0	125	7.2	.....
		Min	21	.10	3.4	1.8	3.7	1.4	24	.9	3.3	.0	.7	.....	49	16	0	57	6.8	.....
34	Hogans Creek near Providence, N.C.	7	Max 19	.04	11	3.4	6.7	2.2	60	5.9	5.5	.2	.9	.00	78	41	0	107	7.5	10
		Min			5.8	2.4	4.8	1.1	34	1.4	2.5		.1		25	0	0	75	6.1	
35	East Prong Moon Creek tributary near Yanceyville, N.C.	3	Max 33	.33	9.0	3.3	6.3	1.7	54	2.2	3.6	.2	.7	.00	80	36	0	97	7.4	8
		Min	25	.03	5.7	.9	2.9	1.3	28	.2	2.8	.1	.1		55	18	0	54	7.0	
36	Moon Creek near Yanceyville, N.C.	13	Max 20	.25	11	2.9	5.8	2.2	50	8.4	4.0	.3	.8	.27	71	34	2	90	7.6	60
		Min	10	.00	3.4	1.3	3.1	1.1	14	.6	1.5	.0	.2	.00	39	14	0	46	6.1	5
37	Moon Creek near Providence, N.C.	9	Max 17	.06	9.3	3.2	5.6	1.9	56	12	5.6	.2	1.0	.00	68	36	0	102	7.3	15
		Min			5.2	2.0	4.1	1.0	22	.6	2.3		.2		17	0	0	64	6.3	

Table 4. --Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific con- ductance (Micro- ohms at 25°C)	pH	Color
																	Calcium, magnesium	Non- carbonate			
ROANOKE RIVER BASIN--Continued																					
38	Rattlesnake Creek at Blanch, N.C.....	2	Max Min	27 22	0.14 .06	11 9.1	3.7 3.2	7.9 7.6	2.8 2.1	61 53	3.2 2.1	6.5 5.9	0.3 .0	0.5 .1	0.00	85 81	42 36	0	117 108	7.4 7.2	10
39	Country Line Creek near Locust Hill, N.C.	2	Max Min	31 25	.37 .03	9.1 7.2	3.6 3.0	7.1 6.3	1.5 1.3	52 48	1.6 1.1	4.2 3.4	.2 .0	.7 .0	.00	81 76	34 33	0	96 94	7.3 7.1	6
40	Country Line Creek at Yanceyville, N.C.	5	Max Min	21	.02	9.8 7.2	3.8 3.5	7.2 6.0	1.9 1.2	58 40	7.0 2.6	5.4 3.0	.3 .1	1.3 .1	.05	80	39 32	1	112 100	6.9 6.5	15
41	South Country Line Creek near Yanceyville, N.C.	6	Max Min	.....	.....	15 7.2	8.1 4.9	6.5 6.2	20 .6	90 22	2.8 2.2	5.8 3.8	..... .....	2.3 .5	.....	.....	70 37	19 0	162 101	6.9 6.5	.....
42	Country Line Creek near Semora, N.C..	9	Max Min	19 16	.02 .00	13 7.2	4.5 .9	8.8 5.3	2.4 .8	71 37	7.5 2.3	6.0 3.2	.2 .2	.8 .2	.01	90 86	50 28	1	128 87	7.2 6.4	8
43	North Hyco Creek near Leasburg, N.C..	6	Max Min	21 8.2	.25 .02	12 8.7	3.7 2.3	8.1 6.6	2.0 1.0	61 40	8.4 2.6	6.6 5.2	.2 .1	.8 .2	.04 .00	83 59	42 31	0	123 95	7.2 6.9	45
44	South Hyco Creek near Hesters Store, N.C.	5	Max Min	21 19	.20 .09	9.9 7.6	3.8 2.8	8.2 6.4	1.5 1.0	57 37	8.2 3.2	5.3 4.2	.2 .0	.4 .1	.02	80 40	40 30	0	113 92	7.6 7.0	35
45	Double Creek near Roseville, N.C.....	5	Max Min	23 21	.18 .00	9.1 6.5	3.1 2.4	7.9 6.2	1.7 .9	53 32	7.2 3.8	5.6 4.6	.3 .1	.9 .2	.05	79 65	36 26	0	110 81	7.5 7.1	30
46	South Hyco Creek near Roseville, N. C.	5	Max Min	19 16	.31 .01	12 8.3	4.1 2.7	8.1 6.1	1.7 1.0	67 40	9.2 4.2	5.7 4.5	.2 .2	.7 .2	.04	86 70	48 32	0	124 98	7.3 7.0	45
47	South Hyco Creek near Concord, N.C...	9	Max Min	19	.49	9.9 6.0	4.3 2.7	7.6 5.7	1.5 .7	60 34	7.3 1.4	6.0 3.0	.1 .1	1.3 .1	.....	81	42 0	0	128 65	7.4 6.4	.....
48	Hyco River at dam near Roxboro, N.C..	8	Max Min	.....	.....	12 6.4	6.1 3.2	7.8 6.2	1.5 .6	77 36	12 .8	7.5 3.6	..........	.8 .5	.....	.....	56 28	0	148 89	8.5 6.4	.....
49	Hyco River at McGehees Mill, N.C.....	9	Max Min	19 9.4	.13 .00	12 8.0	4.4 3.5	8.1 4.3	2.2 1.0	56 37	9.6 2.4	5.3 3.3	.1 .0	.6 .1	.15	74 61	46 37	6	121 100	7.6 6.4	60

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B123

50	Mayo Creek near Woodsdale, N.C.....	11	Max Min	19 11	.23 .00	11 4.8	3.7 1.3	5.4 4.6	2.0 .7	56 26	3.0 .4	5.0 2.7	.1 .0	.7 .2	.00 .55	65 21	41 0	0	101	7.1 6.2	10
51	Aarons Creek near Oak Hill, N.C.....	9	Max Min	7.2 6.0	.02 .02	11 4.0	3.8 1.9	5.4 2.8	1.5 2.8	58 22	4.2 1.0	5.0 1.0	.1 .0	1.1 .2	.00 .57	64 18	43 0	0	112	7.1 6.4	10
52	Little Grassy Creek near Stovall, N.C.	8	Max Min	14 12	.13 .00	9.1 3.7	3.4 2.0	5.1 4.1	1.2 1.4	48 26	2.9 1.4	6.0 2.3	.1 .0	.9 .00	.00 .60	34 30	0	0	92	7.0 6.4	20
53	Island Creek near Bullock, N.C.....	2	Max Min	12 9.9	.11 .02	12 9.0	4.3 1.9	5.8 4.4	1.8 1.5	67 38	5.0 1.2	3.7 2.8	.2 .1	.5 .3	.00 .57	72 30	48 0	0	117	7.5 7.2	30
54	Smith Creek near Norlina, N.C.....	9	Max Min	31 21	.49 .08	6.7 3.6	4.0 1.1	7.0 3.8	2.3 1.4	49 23	3.8 1.1	5.3 3.0	.2 .0	1.2 .4	.00 .55	80 33	0	0	98	6.9 6.5	45
55	Sixpound Creek near Oakville, N.C....	7	Max Min	.....	.....	3.3 2.8	1.7 1.2	4.8 3.7	1.3 .8	29 22	2.6 .8	3.7 2.0	.1 .2	.2 .2	.....	15 12	0	0	56	6.8 6.4	9
56	Stonehouse Creek near Littleton, N.C.	7	Max Min	.....	.....	6.1 5.0	3.3 2.3	5.6 4.5	1.5 .9	45 33	4.6 .6	3.8 2.2	.1 .3	.2 .2	.....	27 22	0	0	87	7.1 6.2	.....
58	Gumberry Swamp near Jackson, N.C.....	2	Max Min	.....	.28	4.5 4.0	1.8 1.7	6.2 4.8	2.1 1.6	25 17	6.2 3.2	6.3 4.4	.1 .1	1.2 .9	.....	18 43	4 18	0	73	6.3 6.0	65
60	Ready Branch near Williamston, N.C....	9	Max Min	.....	.....	5.6 4.8	2.9 .7	10 7.4	2.3 1.1	28 12	13 3	12 8.5	.....	2.6 0.8	.....	28 17	6 0	0	94	6.5 6.0	.....
63	Roquist Creek near Windsor, N.C.....	5	Max Min	.....	.....	6.8	3.2	4.9 4.0	1.0 .9	21 9	19 3.0	8.0 4.8	.....	2.0 .7	.....	30 11	19 4	0	102	6.1 5.4	.....
PAMLICO RIVER BASIN																					
67	Tar River near Berea, N.C.....	3	Max Min	11 8.0	.04 .00	7.4 6.2	3.7 3.1	4.8 3.4	1.9 1.2	44 32	3.4 1.0	4.6 3.0	.1 .0	.3 .2	.00 .49	55 29	34 0	2	85	7.0 6.8	20
68	Shelton Creek near Oxford, N.C.....	10	Max Min	14 13	.05 .04	9.9 5.0	3.8 2.5	6.0 3.9	1.6 .5	56 21	4.4 .2	4.1 2.5	.1 .1	1.3 .2	.00 .66	72 20	40 0	3	103	7.0 6.3	15
69	Tar River near Tar River, N.C.....	23	Max Min	16 7.4	.57 .00	10 3.1	4.5 1.4	6.4 2.9	2.5 .5	61 16	9.2 1.1	8.8 2.6	.6 .0	2.6 .2	.15 .00	67 35	44 14	8	112	7.5 6.1	70
70	Ruin Creek near Henderson, N.C.....	2	Max Min	20 15	.12 .01	13 8.0	3.8 2.9	11 8.2	2.4 1.6	73 46	4.6 2.2	10 5.8	.2 .2	.9 .3	.00	94 75	48 32	0	144	7.2 7.0	17
71	Long Creek near Kittrell, N.C.....	2	Max Min	24 23	.26 .12	6.3 5.0	2.1 1.8	8.3 6.3	2.0 .9	44 33	3.2 .6	4.2 2.6	.2 .1	1.0 .1	.01	69 61	24 20	0	81	7.1 6.9	10
72	Tabbs Creek near Kittrell, N.C.....	11	Max Min	.....	.....	8.0 4.9	3.6 2.2	7.4 6.0	1.8 1.1	52 31	5.4 .9	6.2 3.3	.....	1.0 .5	.....	38	0	0	103	7.1 6.3	.....

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on p.l. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Calcium, magnesium	Hardness as CaCO ₃	Specific conductance at 25°C (Microhm-cm)	pH	Color
	FAMILY RIVER BASIN--Continued																				
73	Buffalo Creek near Kittrell, N.C.....	2	Max 26 Min 26	0.43 .13	3.7 3.5	1.2 1.1	7.6 6.5	1.7 1.1	30 29	1.2 .8	4.0 3.0	0.2 .0	0.7 .2	0.20 .06	59 59	14 14	0 0	63 60	6.8 6.7	35 10	
74	Lynch Creek near Louisville, N.C.....	2	Max 20 Min 20	.51	3.8	1.2	5.7	1.1	18	2.7 2.0	4.0 3.2	.1	.5	.02	51	9	0	60 47	6.7 6.6	48	
75	Cedar Creek near Louisville, N.C.....	28	Max 28 Min 8.0	.97 .00	5.6 2.8	2.0 .7	7.4 4.0	2.3 1.0	36 16	11 .1	6.1 2.5	.2	1.4 .0	.20 .00	71 39	22 10	0 0	73 42	7.5 6.1	45 4	
76	Crooked Creek near Bunn, N.C.....	11	Max 22 Min 20	1.5 .19	3.6 2.2	2.0 .5	7.0 4.6	1.8 .8	28 16	2.8 .2	4.1 2.7	.1 .0	1.6 .0	.10 .00	54 50	15 8	0 0	61 42	7.1 6.1	80 25	
77	Cypress Creek near Bunn, N.C.....	12	Max 23 Min 15	1.1 .05	6.3 2.5	2.5 .4	6.8 4.7	2.1 .9	39 14	3.0 .1	7.4 2.4	.2 .1	1.0 .1	.01	54 46	23 9	0 0	83 46	7.2 6.1	75 10	
79	Sapony Creek near Nashville, N.C.....	26	Max 15 Min 5.1	1.2 .01	7.5 3.0	3.5 .4	6.3 2.1	2.1 .6	45 9	9.8 1.6	7.6 2.5	.3 .0	2.4 .0	.08 .00	63 30	32 13	10 0	90 46	7.2 5.9	150 10	
80	Tar River at Rocky Mount, N.C.....	2	Max 18 Min 9.3	.53 .02	7.5 4.0	1.6 1.4	12 3.4	3.3 1.3	35 16	6.4 5.6	12 3.5	.2	1.2 .5	.40 .07	77 39	24 16	4 0	108 53	6.5 6.3	120 20	
81	Sandy Creek tributary No. 4 near Henderson, N.C.	2	Max 26 Min 26	.27	2.7 2.1	1.2 .7	5.2 4.9	1.8 1.3	20 20	.6 .4	4.2 3.0	.1	1.5	.1	52	12	0	54 45	6.6 6.6	17	
82	Weaver Creek near Henderson, N.C.....	2	Max 21 Min 20	.41 .24	3.3 2.6	1.3 1.1	5.6 5.0	1.9 1.6	24 22	1.0 1.4	4.5 3.4	.1 .1	1.0 1.0	.50 .00	50 49	12 0	0	56 54	6.6 6.6	22 6	
83	Sandy Creek near Alert, N.C.....	11	Max 18 Min 18	.47 .22	4.3 3.2	1.9 1.2	6.0 4.8	2.0 1.2	33 21	3.6 2.3	4.6 2.3	.1 .0	1.0 .3	.00	53	18	0	69 52	6.9 6.2	33 32	
84	Swift Creek at Hilliardston, N.C.....	8	Max 20 Min 8.8	.16 .02	6.4 2.6	2.0 .5	6.2 4.1	1.9 1.2	31 10	7.2 1.4	5.4 3.0	.2 .0	0.7 .2	.09 .00	61 33	24 10	6 0	71 43	7.2 5.7	40 10	
85	Swift Creek near Red Oak, N.C.....	7	Max 1.9 Min 1.7	..... .....	5.6 4.0	1.9 .7	4.8 2.7	2.4 1.7	34 18	3.0 .3	4.5 1.6	..... 1.6	1.0 .5	......5	..... .....	22 12	0 0	89 42	7.1 6.4	..... .....

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B125

86	Fishing Creek near Ridgeway, N.C.....	2	Max 21	.12	7.8	4.3	5.8	1.7	.8	5.0	.0	.9	.01	72	37	0	103	6.9	22
			Min	.00	5.4	1.1	4.2	1.4	.4	3.9	.0	.1	.00	53	18	0	62	6.5	6
87	Fishing Creek near Warrenton, N.C.....	12	Max 21	.28	6.9	2.9	6.9	2.0	4.6	5.0	.1	1.0	.00	61	28	0	83	7.2	27
			Min	.18	2.6	1.2	4.7	1.4	.5	2.5	.0	.0	.00	54	15	0	55	6.5	10
88	Fishing Creek near Parktown, N.C.....	2	Max 21	.27	6.7	1.7	7.1	2.2	4.0	5.8	.1	1.2	.00	66	24	0	84	7.1	35
			Min	.07	5.6	1.7	6.1	1.9	3.4	3.8	.0	.5	.00	61	21	0	74	6.8	11
89	Shocco Creek near Elberon, N.C.....	11	Max 21	.20	4.9	2.5	5.9	1.7	3.2	5.2	.0	1.3	.00	57	22	0	72	7.1	60
			Min	.03	3.0	1.0	4.3	.9	2.1	3.0	.0	.3	.00	46	12	0	48	6.2	13
90	Shocco Creek near Centerville, N.C....	2	Max 20	.37	5.9	2.5	5.6	1.3	3.5	4.5	.1	3.5	.00	61	26	0	80	7.0	30
			Min		5.2	2.2			.4	3.5		.4		22	0	0	73	6.7	
91	Little Fishing Creek near White Oak, N.C.	16	Max 21	.35	5.6	2.2	6.7	1.9	3.6	4.9	.2	1.3	.10	63	24	7	82	7.2	110
			Min	.02	2.5	1.0	2.5	1.0	1.3	1.8	.0	.0	.00	31	10	0	40	6.2	7
94	Town Creek near Pinetops, N.C.....	5	Max .....	.....	5.4	2.5	5.6	2.3	8.7	9.2	.....	2.3	.....	.....	24	6	90	7.4	.....
			Min	.....	4.4	1.7			3.0	5.8	.....	.7	.....	.....	13	2	64	6.2	.....
95	Conatoo Creek near Bethel, N.C.....	22	Max 13	.47	13	2.5	7.3	3.6	24	12	.3	5.7	.11	77	40	28	127	7.0	60
			Min	.00	2.7	.6	2.1	.9	4	3.4	.0	.0	.00	26	10	4	43	5.2	5
99	Grindie Creek at Pactolus, N.C.....	13	Max 16	.....	10	2.5	9.6	2.5	23	11	.....	2.8	.....	.....	38	22	138	6.3	.....
			Min	.....	6.6	1.0	7.1	1.2	8	7.4	.....	.8	.....	.....	24	0	94	5.7	.....
102	Herring Run near Washington, N.C.....	26	Max 45	1.1	14	3.2	8.6	3.1	35	9.5	.3	1.9	.10	123	46	16	146	6.9	120
			Min	.02	1.3	.4	2.6	.2	0	5.0	.0	.0	.00	27	6	4	41	4.5	15
103	Durham Creek at Edward, N.C.....	11	Max 20	1.3	63	5.1	3.9	1.2	238	8.5	.4	3.8	.12	39	178	10	352	7.2	300
			Min	.04	2.3	.1	3.0	.3	1	2.0	.1	.0	.00	29	7	0	40	4.2	120
NEUSE RIVER BASIN																			
104	Eno River tributary near Cedar Grove, N.C.	2	Max 26	.10	8.3	2.5	7.0	1.7	44	4.4	.2	.8	.00	70	28	0	82	6.8	20
			Min	.06	5.5	1.7	6.7	1.0	43	2.6	.1	.3		68	24	0	79	6.7	18
105	Eno River near Carr, N.C.....	2	Max 20	.04	6.7	2.5	4.9	1.1	43	2.5	.1	0.2	.00	61	28	0	81	7.4	20
			Min		7.2	2.2			44	1.0				27	0	78	6.7		
106	Eno River at Hillsborough, N.C.....	27	Max 19	.28	10	3.6	31	2.8	48	39	.4	2.3	2.9	124	40	5	218	7.2	80
			Min	.00	3.6	.4	2.4	.3	10	1.4	.0	.1	.00	30	13	0	43	5.8	3
107	Eno River near Durham, N.C.....	10	Max 17	.14	7.5	2.6	6.6	2.1	41	6.2	.3	.5	.05	63	30	4	92	7.3	100
			Min	.00	4.0	1.3	3.5	.7	15	3.2	.0	.1	.00	37	16	0	48	6.0	10
109	South Flat River near Timberlake, N.C.	3	Max 34	.11	8.1	3.8	8.8	1.5	56	2.4	.5	.6	.00	90	36	0	110	7.0	15
			Min	.02	6.3	2.3	5.2	1.1	42	3.2	.1	.1		60	28	0	80	6.8	8

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium Non- carbonate	Specific con- ductance (Mirc- ohms at 25°C)	pH	Color	
NEUSE RIVER BASIN--Continued																					
110	North Flat River near Allens Level, N.C.	2	Max. Min	22 12	0.15 .05	7.3 6.4	3.3 2.1	24 5.9	2.9 1.0	53 40	14 1.1	13 4.7	0.3 .1	0.5 .1	0.00	102 65	29 26	0 0	169 88	6.8 6.5	18 15
111	North Flat River at Timberlake, N.C.	2	Max Min	13 12	.05 .04	8.3 6.6	2.4 2.3	10 9.3	2.1 1.9	36 33	5.2 4.4	15 11	.2 .1	.2 .1	.01 .00	72 66	31 26	4 0	113 103	6.7 6.7	10 10
112	Flat River at Bahama, N.C.	23	Max Min	18 8.3	.31 .01	7.3 3.0	2.3 1.0	6.3 2.6	2.4 .7	35 12	8.6 2.1	5.2 1.5	.3 .0	2.3 .1	.02 .00	63 30	28 13	5 0	84 40	7.4 5.9	70 10
113	Dial Creek near Bahama, N.C.	23	Max Min	24 8.4	.31 .01	5.2 2.6	1.8 .7	5.4 3.5	1.9 .5	30 10	8.4 1.6	6.0 2.4	.2 .0	1.5 .0	.10 .00	57 33	21 10	4 0	71 39	7.5 5.9	50 4
115	Knap of Reeds Creek near Burner, N.C.	3	Max Min	16 10	.05 .01	15 6.4	4.8 3.1	7.0 5.0	2.0 1.2	72 38	9.0 4.4	4.7 3.0	.1 .1	.2 .0	.00 .00	88 59	56 29	0 0	145 81	7.2 7.0	20 8
117	Beaverdam Creek near Creedmoor, N.C.	4	Max Min	..... .....	..... .....	5.6 4.0	3.9 1.8	6.2 5.0	1.9 1.2	42 20	6.2 2.2	5.0 3.0	..........	.9 .5	..... .....	..... .....	29 18	1 0	80 63	6.8 6.1	..........
118	New Light Creek near Purnell, N.C.	7	Max Min	..... .....	..... .....	5.5 4.0	2.6 1.1	5.1 4.8	1.6 1.2	36 27	2.7 1.4	4.5 2.7	.1 .1	.2 .2	..... .....	58	22 18	0 0	69 59	7.0 6.1	20
119	Upper Barton Creek near Bayleaf, N.C.	8	Max Min	..... .....	..... .....	6.1 4.8	3.1 1.9	6.8 4.4	1.6 1.0	43 34	2.7 1.8	4.0 2.0	.1 .1	1.5 .1	..... .....	54	27 22	0 0	84 66	7.3 6.5	12
120	Lower Barton Creek near Bayleaf, N.C.	9	Max Min	..... .....	..... .....	4.8 4.2	3.0 2.1	4.4 4.1	1.6 1.0	36 28	1.0 1.1	4.5 2.4	..........	.9 .4	..... .....	..... .....	24 18	0 0	70 62	7.3 6.5	..........
121	Horse Creek near Wake Forest, N.C.	7	Max Min	..... .....	..... .....	4.8 4.0	2.7 1.5	6.3 3.3	1.2 .3	39 29	3.0 1.3	3.5 2.6	..........	.7 .2	..... .....	..... .....	23 16	0 0	76 62	7.3 6.6	..........
123	Neuse River near Neuse, N.C.	2	Max Min	13 13	.08 .03	7.1 7.1	2.5 2.4	9.6 7.4	2.0 1.7	36 26	8.4 7.4	13 7.5	.2 .2	2.0 .5	.20 .07	71 66	28 28	6 0	116 100	6.6 6.3	25 20
124	Peoples Creek near Wake Crossroads, N.C.	7	Max Min	15 9.9	.07 .02	3.4 1.9	.9 .2	6.2 5.2	1.5 1.0	24 15	2.6 1.3	3.8 2.4	.2 .1	1.3 .5	..... .....	43 37	11 6	0 0	66 41	6.8 6.1	18 7

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B127

127	Crabtree Creek near Raleigh, N.C.....	8	Max 28	.12	7.2	2.4	9.3	2.2	38	4.0	6.8	.1	1.5	.....	76	26	0	80	6.9	20
		Min	15	.03	5.6	.5	5.5	1.7	31	.9	4.0	.1	.0	.....	58	18	0	62	6.4	6
128	Mine Creek near Willbrook, N.C.....	5	Max .....	.....	3.6	1.7	4.4	1.0	26	1.0	3.2	.....	.5	.....	18	0	0	62	6.9	.....
		Min	.....	.....	2.0	1.2	.....	.....	22	.1	2.2	.....	.0	.....	11	0	0	48	6.6	.....
129	Big Branch near Willbrook, N.C.....	6	Max .....	.....	4.4	1.8	4.8	1.7	33	2.0	5.0	.....	0.5	.....	20	0	0	71	6.8	.....
		Min	.....	.....	3.6	1.5	.....	.....	27	.9	2.8	.....	.0	.....	14	0	0	59	6.4	.....
130	Big Branch near Garner, N.C.....	7	Max .....	.....	4.5	2.2	13	2.1	31	4.7	13	.....	4.6	.....	19	0	0	107	6.9	.....
		Min	.....	.....	3.2	.9	.....	.....	1.1	23	4.5	.....	1.1	.....	13	0	0	63	6.2	.....
131	Poplar Creek near Knightdale, N.C....	6	Max .....	.....	3.1	1.4	7.2	1.8	26	1.6	4.5	.....	2.0	.....	13	0	0	60	7.0	.....
		Min	.....	.....	2.4	.5	.....	.....	1.2	22	3.0	.....	1.1	.....	8	0	0	51	6.3	.....
135	Middle Creek near Clayton, N.C.....	26	Max 15	.61	4.4	1.8	5.5	2.5	27	4.8	6.2	.2	2.1	.20	46	17	5	68	7.2	120
		Min	4.8	.01	2.0	.4	2.8	.4	7	.1	2.5	.0	.0	.00	25	8	0	35	5.6	10
136	Middle Creek near Smithfield, N.C.....	7	Max .....	.....	4.0	1.5	4.4	1.4	25	3.0	5.5	.....	1.5	.....	16	0	0	63	7.1	.....
		Min	.....	.....	3.1	.8	.....	.....	14	1.0	3.0	.....	.1	.....	10	0	0	48	6.2	.....
137	Black Creek near Four Oaks, N.C.....	6	Max 6.9	.31	2.3	1.7	6.1	1.7	19	6.2	6.6	.....	1.5	.....	32	6	0	100	6.5	180
		Min	.....	.....	1.6	.4	4.4	1.3	7	.6	4.0	.0	.0	.....	.....	.....	0	45	6.0	.....
138	Buck Swamp near Dudley, N.C.....	9	Max 11	.23	6.6	1.4	6.1	1.6	20	16	10	.1	2.0	.....	25	0	0	98	6.5	75
		Min	.....	.....	4.1	.6	4.1	1.2	6	.8	5.5	.....	.3	.....	.....	.....	0	57	5.8	.....
140	Little River near Kenly, N.C.....	6	Max 15	.38	3.7	1.1	6.5	1.8	23	5.8	5.4	.2	1.0	.10	44	14	2	61	6.8	70
		Min	6.7	.08	2.1	.8	3.1	1.4	8	2.2	3.3	.0	.2	.00	29	8	0	39	5.9	40
144	Stony Creek near Goldsboro, N.C.....	8	Max 9.5	.37	4.6	1.5	18	1.6	20	19	24	.0	1.7	.....	41	13	0	145	6.2	29
		Min	.....	.....	3.2	.7	4.3	1.0	6	3.7	5.2	.....	.1	.....	.....	.....	0	62	5.7	.....
146	Walnut Creek near Best, N.C.....	6	Max .....	.....	4.6	1.9	5.3	1.6	5	14	10	.....	4.1	.....	17	13	0	86	7.4	.....
		Min	.....	.....	3.2	1.3	4.5	1.0	4	9.5	5.5	.....	1.3	.....	.....	.....	0	54	5.3	.....
148	Bear Creek near La Grange, N.C.....	6	Max.....	.04	6.1	1.8	6.7	1.8	8	16	9.0	.1	2.9	.....	58	8	0	94	6.0	10
		Min	.....	.....	3.0	.1	4.2	.8	4	7.4	4.7	.....	1.5	.....	.....	.....	0	56	5.2	.....
150	Deep Run at Deep Run, N.C.....	8	Max .....	.....	1.6	.5	5.8	.5	15	4.0	7.0	.....	2.6	.....	18	13	0	49	6.2	.....
		Min	.....	.....	.....	.....	.....	.....	2	2.0	5.8	.....	2.0	.....	.....	.....	0	41	5.5	.....
151	Southwest Creek near Woodington, N.C.	4	Max .....	.....	3.4	1.2	6.1	1.0	10	7.6	8.3	.....	2.6	.....	.....	.....	0	63	6.1	.....
		Min	.....	.....	1.2	.8	5.2	.6	3	1.5	6.5	.....	.2	.....	.....	.....	0	50	5.3	.....
152	Moccasin Creek near Pilot, N.C.....	2	Max 23	.87	3.2	1.2	6.1	1.8	26	.8	4.2	.2	.9	.09	54	12	0	57	6.9	55
		Min	21	.24	3.0	.9	5.2	1.1	22	.2	2.9	.1	.4	.....	47	12	0	51	6.4	35
153	Moccasin Creek near Middlesex, N.C....	5	Max .....	.....	5.6	2.1	7.0	2.0	30	4.5	4.8	.....	1.0	.....	.....	.....	0	75	6.5	.....
		Min	.....	.....	2.2	.9	4.6	1.2	14	.5	2.9	.....	.4	.....	.....	.....	0	50	5.9	.....

Table 4.---Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

Map No.	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (Microhmhos at 25°C)	pH	Color
																	Calcium, magnesium	Non-carbonate			
154	NEUSE RIVER BASIN--Continued Contentnea Creek near Lucama, N.C....	6	Max Min	13 6.1	0.27 .02	4.2 2.3	1.9 .8	5.7 2.3	1.7 1.0	25 4	5.4 1.8	7.1 2.5	0.2 .0	1.3 .3	0.07 .00	42 25	16 9	10 0	60 36	7.1 5.3	140 20
155	Contentnea Creek near Kenly, N.C....	4	Max Min	..... .....	..... .....	3.2 2.6	1.9 1.2	5.2 3.9	2.0 1.3	23 14	5.4 1.1	7.8 3.2	..... .....	1.4 .8	..... .....	..... .....	19 13	2 0	65 54	6.6 6.0	..........
157	Black Creek near Black Creek, N.C....	3	Max Min	..... .....	..... .....	3.4 2.8	1.5 1.1	7.3 4.9	2.1 1.1	19 18	2.9 .7	7.3 5.4	..... .....	2.2 1.0	..... .....	..... .....	14 13	0 0	62 60	6.3 6.0	..........
158	Toisnot Swamp near New Hope, N.C....	4	Max Min	..... .....	..... .....	4.4 1.8	1.7 .8	4.3 3.8	.9 .6	19 10	1.7 1.1	12 3.7	..... .....	1.8 .3	..... .....	..... .....	16 8	8 0	72 40	6.6 5.7	..........
159	Toisnot Swamp near Stantonsburg, N.C.	7	Max Min	12 8.5	.32 .16	6.0 1.4	1.6 1.5	8.5 4.5	2.0 .7	23 12	7.5 1.1	7.8 3.6	.2 .1	3.0 .9	..... .....	52 37	22 10	6 43	96 5.9	6.6 28	70 28
160	Nahunta Swamp near Shine, N.C.....	27	Max Min	17 5.9	.99 .03	8.2 2.8	1.7 .5	6.5 1.7	2.9 1.0	16 4	26 4	11 2.0	.3 .0	3.5 .2	.30 .00	60 29	26 10	20 2	112 42	6.8 5.6	90 10
161	Nahunta Swamp near Snow Hill, N.C....	5	Max Min	..... .....	..... .....	4.6.....	.6	5.6	1.4	15 6	10 3.3	8.8 7.5	..........	.4 .....	..... .....	..... .....	18 11	9 3	74 62	6.3 6.2	..........
163	Little Contentnea Creek tributary No. 2 near Farmville, N.C.	2	Max Min	13 4.4	.53	13 5.5	2.1 1.0	7.9 6.2	1.9 1.2	35 9	13 12	9.4 7.6	.1	2.3 1.5	..... .....	45	40 18	12 10	135 72	6.4 6.2	75
164	Little Contentnea Creek near Farmville, N.C.	22	Max Min	21 3.6	.83 .03	11 3.5	2.3 .7	13 3.2	5.2 1.1	35 7	27 4.0	14 4.5	.3 .0	5.5 .5	.90 .00	90 27	36 12	26 0	139 49	7.2 5.4	120 28
170	Palmetto Swamp near Vanceboro, N.C....	3	Max Min	14 12	.86 .06	8.5 7.1	1.8 1.1	5.5 2.9	1.5 1.0	34 18	7.2 1.2	6.9 6.0	.3 .2	2.0 .7	.00	53 52	28 22	4 1	78 72	6.6 6.3	60
180	Upper Broad Creek near Olympia, N.C..	5	Max Min	..... .....	..... .....	4.4 2.4	1.9 .5	5.4 4.4	1.0 .4	18 3	3.0 1.1	11 4.8	..... .....	4.9 .5	..... .....	..... .....	19 7	8 0	111 40	5.9 5.1	..........

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B129

WHITE OAK RIVER BASIN		8	Max	6.4	.....	56	10	6.4	.7	181	7.0	9.4	.1	2.7	.....	151	9	321	7.3	.....
181	White Oak River at Belgrade, N.C.....		Min	.....	6.2	.5	.....	3.6	.2	10	1.0	4.5	.1	.1	.....	24	0	61	5.9	.....
Hunters Creek near Kuhns, N.C.....		2	Max	.....	6.6	2.8	.....	.....	.....	23	5.5	7.7	.....	3.2	.....	28	9	76	6.1	.....
			Min	.....	4.4	1.0	.....	.....	.....	10	2.7	7.0	.....	.1	.....	15	7	55	6.0	.....
NEW RIVER BASIN		3	Max	12	.23	55	5.6	5.4	2.3	172	10	16	.1	5.2	.....	89	160	21	349	7.3	90
183	New River tributary near Gum Branch, N.C.		Min	4.7	.10	14	.9	3.6	.4	36	4.6	5.0	.1	1.4	.....	53	38	8	86	6.8	80
Southwest Creek near Jacksonville, N.C.		7	Max	.....	.11	41	3.1	5.2	1.2	134	8.9	6.5	.1	1.6	.....	110	5	232	7.1	.....
186			Min	.....	.....	11	1.0	3.8	.8	30	1.2	4.2	.1	.1	.....	30	0	88	6.7	.....
Northeast Creek near Kellum, N.C.....		4	Max	.....	.....	15	3.2	8.6	1.2	92	4.4	8.4	.....	4.0	.....	74	17	188	7.0	.....
187			Min	.....	.....	9.2	2.1	3.2	.3	6	.4	5.5	.....	.6	.....	7	0	43	5.1	.....
CAPE FEAR RIVER BASIN		2	Max	20	.03	7.9	3.2	5.3	2.3	46	.8	4.0	.2	.3	.00	64	31	0	84	7.0	15
188	Haw River near Oak Ridge, N.C.....		Min	18	.00	7.2	2.0	4.6	1.2	44	.8	3.6	.1	.1	.00	63	28	0	80	6.7	5
Haw River at U.S. Highway 220 near Summerfield, N.C.		2	Max	19	.02	8.2	2.7	4.9	3.4	47	.4	3.8	.2	.3	.00	65	32	0	82	6.8	15
			Min	19	.00	7.2	2.6	4.8	1.8	46	.2	1.9	.1	.2	.00	61	29	0	76	6.7	10
Haw River near Summerfield, N.C.....		7	Max	17	.19	6.3	2.5	5.1	2.1	44	3.7	4.6	.1	1.8	.....	52	28	0	79	7.2	17
190			Min	.....	.....	4.4	1.8	3.4	.8	27	.1	1.4	.4	.4	.....	19	0	54	6.4	.....
Mears Fork near Summerfield, N.C.....		2	Max	25	.04	5.9	3.0	5.8	2.2	42	1.6	3.0	.2	.2	.00	67	28	0	78	7.5	15
191			Min	23	.00	5.3	1.9	5.2	2.1	37	1.4	2.8	.2	.0	.00	60	20	0	73	6.8	0
Haw River near Midway, N.C.....		2	Max	20	.11	8.6	3.5	5.5	2.3	50	2.4	3.1	.2	.2	.00	70	36	0	89	7.4	12
192			Min	19	.00	7.7	2.8	4.8	1.7	48	1.8	2.7	.1	.1	.00	66	30	0	86	7.1	5
Troublesome Creek near Montroeton, N.C.		2	Max	13	.03	5.0	1.4	3.7	1.8	29	2.4	3.0	.1	.1	.00	43	18	0	57	7.0	10
193			Min	11	.01	4.9	1.2	3.5	1.6	28	1.2	3.0	.1	.1	.00	42	17	0	57	6.9	0
Troublesome Creek near Reidsville, N.C.		5	Max	18	.10	3.9	2.7	3.8	1.4	35	5.0	2.8	.2	2.3	.....	51	21	0	68	7.0	.....
194			Min	18	.04	3.7	2.4	3.4	1.3	2	2.0	2.0	.2	.6	.....	51	10	0	53	6.5	.....
Reedy Fork near Oak Ridge, N.C.....		26	Max	23	.63	7.3	2.9	5.5	2.7	43	9.2	5.6	.3	2.7	.10	68	30	2	90	7.6	40
197			Min	7.8	.00	3.6	1.0	3.0	1.4	17	.2	2.0	.0	.1	.00	38	15	0	48	6.3	0
Horsepen Creek at Battle Ground, N.C.		9	Max	23	.24	9.7	3.7	6.3	2.8	55	4.8	5.5	.2	2.4	.....	76	36	0	113	7.5	17
198			Min	16	.00	7.4	2.6	5.0	1.4	42	2.0	2.4	.0	.6	.....	68	28	0	88	6.5	2
South Buffalo Creek at Willow Road at Greensboro, N.C.		2	Max	945	2.2	74	28	55	125	0	96	500	.....	10	16	.....	300	300	8710	3.6	5
200			Min	23	.....	21	.....	.....	.....	0	.....	.....	.....	.....	.....	145	145	1250	3.0	.....

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (Microhmhos at 25°C)	pH	Color
																	Calcium, magnesium	Non-carbonate			
204	CAPE FEAR RIVER BASIN--Continued Stony Creek near Stony Creek, N.C....	3	Max Min	23 18	0.49 .01	12 9.1	6.2 5.2	6.7 5.4	1.7 1.5	70 68	3.2 1.4	4.1 3.0	0.2 .0	0.4 .1	0.00 .00	87 83	52 48	0	128 120	7.3 7.1	15 14
206	Service Creek near Hopedale, N.C.....	2	Max Min	14 9.6	.02 .01	19 18	4.3 4.0	14 14	2.8 2.5	69 49	20 12	22 19	.4 .0	1.3 .4	.21 .00	120 116	66 62	22 10	192 185	7.1 7.0	17 5
208	Stagg Creek near Pleasant Grove, N.C.	2	Max Min	23 21	.05 .03	6.3 6.2	3.3 2.7	7.6 5.7	1.0 .8	44 42	3.2 2.8	4.0 3.8	.2 .0	.7 .1	.00 .00	69 67	29 26	0	82 81	7.2 6.8	14
209	Back Creek near Mebane, N.C.....	2	Max Min	20	.02	11	3.9	6.9	.9	62	2.6	3.8	.0	.4	.00	68	43	0	114	7.4	10
210	Quaker Creek near Mebane, N.C.....	2	Max Min	22 17	.09 .04	8.3 7.7	5.3 3.1	7.8 6.8	1.2 1.1	52 49	3.0 1.4	6.5 4.4	.2 .0	1.4 .0	.00 .00	80 68	40 34	0	117	7.4	14
211	Little Alamance Creek near Greensboro, N.C.	2	Max Min	21 19	.02 .01	13 13	5.3 5.3	21 19	2.0 1.8	74 53	5.6 4.8	26 26	.7 .2	.3 .3	.18 .00	130 116	54 54	10	206 205	7.3 7.1	10
212	Little Alamance Creek tributary near Sedalia, N.C.	2	Max Min	23 13	.04 .02	8.6 8.5	3.4 2.7	7.1 5.9	1.8 1.0	50 41	8.4 4.6	5.0 4.1	.2 .0	1.6 .1	.00 .00	77 67	36 32	0	100 100	7.0 6.9	10
213	Little Alamance Creek near Whitsett, N.C.	10	Max Min	16	.02	13	5.8	8.9	1.5	77	7.0	7.9	.1	2.1	.00	73	52	0	148	7.3	.....
214	Rock Creek near Whitsett, N.C.....	2	Max Min	20 15	.04 .03	11 8.7	4.1 3.9	6.8 6.3	.6 1.7	35 52	1.0 3.6	2.8 4.3	.1 .1	.3 .2	.00 .00	75 74	44 38	0	117	7.3	20
215	Alamance Creek near Elon College, N.C.	20	Max Min	20 8.9	.17 .00	10 4.5	4.5 2.1	7.2 3.4	2.0 .8	60 16	10 2.2	7.6 2.0	.3 .0	1.9 .0	.06 .00	82 39	44 20	7	120	7.5	32
216	Alamance Creek at Alamance, N.C.....	5	Max Min	.....	.....	11	3.6	5.1	.5	60	16	198	.....	2.4	.00	.....	99	50	702	7.3	.....
218	South Prong Stinking Quarter Creek near Belmont, N.C.	6	Max Min	.....	.....	6.7	3.2	6.3	1.7	44	5.6	4.6	.....	1.6	.00	.....	29	3	86	7.3	.....
						4.5	1.2	4.1	.4	24	1.2	3.6	.....	.3	.00	.....	21	0	70	6.5	.....

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B131

219	Rock Creek near Kimesville, N.C.....	2	Max Min	19 17	.08 .00	6.7 5.9	2.8 2.4	5.3 4.8	1.2 1.2	39 37	2.4 1.6	3.9 3.1	.1 .0	.2 .1	.00 .00	60 55	28 24	0 0	76 72	7.0 7.0	20 5
220	Little Alamance Creek near Graham, N.C.	3	Max Min	13 8.7	.02 .02	24 22	10 6.9	42 28	3.7 3.5	94 64	12 9.6	73 45	.3 .1	.3 .3	.00 .00	218 172	97 83	37 11	540 303	7.6 7.1	13 5
221	Haw Creek near Mebane, N.C.....	4	Max Min	20 16	.13 .03	8.5 6.1	4.9 3.1	9.4 4.2	2.9 .8	58 41	9.0 1.2	5.4 1.0	.2 .1	2.2 .1	.00 .00	90 55	41 28	0 0	120 81	7.3 6.7	7 5
222	Haw Creek near Swepsonville, N.C.....	4	Max Min	24 17	.10 .05	8.7 6.3	4.1 2.5	6.4 5.0	2.1 1.3	48 41	7.6 1.0	5.3 3.3	.1 .0	1.4 .6	.00 .00	73 63	34 27	0 0	113 80	7.5 6.6	15 5
223	Vernalis Creek near Swepsonville, N.C.	3	Max Min	25 21	.23 .02	5.6 4.8	2.6 2.2	6.2 5.3	2.0 1.1	35 33	4.4 1.0	5.2 3.4	.3 .0	2.1 .2	.00 .00	66 57	25 21	0 0	84 68	6.9 6.6	18 5
224	Motes Creek at Saxapahaw, N.C.....	3	Max Min	23 18	.04 .01	7.7 5.9	4.5 2.8	7.9 4.7	1.4 .8	52 38	2.4 1.4	6.5 3.4	.2 .1	.9 .1	.01 .00	81 58	42 26	0 0	102 74	7.3 6.6	12 5
225	Marys Creek near Saxapahaw, N.C.....	3	Max Min	20 18	.05 .03	5.9 5.0	4.0 1.5	6.5 5.6	1.6 1.1	35 30	3.8 2.2	7.5 3.8	.2 .0	1.8 .1	.00 .00	65 57	30 18	0 0	91 65	7.1 6.4	27 5
226	Cane Creek near Orange Grove, N.C....	2	Max Min	16 13	.02 .00	7.7 6.6	2.1 1.8	5.9 5.2	1.8 1.1	40 35	1.6 1.2	5.1 3.3	.1 .1	1.6 .5	.00 .00	57 55	26 26	0 0	77 75	7.5 7.2	15 10
227	Cane Creek near Teer, N.C.....	18	Max Min	17 9.7	.33 .00	7.7 3.2	2.8 1.2	5.0 2.8	3.4 .6	39 7	16 1.5	5.2 2.0	.4 .0	3.0 .0	.11 .00	60 29	29 14	12 0	84 44	7.3 6.3	160 5
228	Cane Creek near Carboro, N.C.....	11	Max Min	9.5	.05	7.6 4.2	2.8 1.2	4.9 3.1	2.3 .4	42 20	3.9 .5	5.0 2.3	.1 .5	1.3 .5	.00 .00	48 16	29 0	2 0	87 53	7.0 6.3	15
229	Cane Creek near Snow Camp, N.C.....	2	Max Min	20 12	.07 .02	6.6 5.5	2.7 2.4	6.0 4.8	2.5 1.3	36 36	3.2 .6	4.7 4.4	.2 .2	1.9 .4	.00 .00	61 55	26 25	0 0	79 78	6.9 6.7	18
230	Reedy Branch near Snow Camp, N.C.....	2	Max Min	17 16	.03 .00	9.0 8.0	2.9 2.9	5.5 5.1	1.5 1.1	52 44	1.8 1.4	5.7 4.7	.1 .1	.6 .2	.00 .00	70 62	36 32	0 0	96 89	7.4 7.1	15 0
231	South Fork Cane Creek near Saxapahaw, N.C.	2	Max Min	13	.04	8.6 7.9	3.1 2.1	6.2 5.3	4.6 3.2	49 41	4.0 3.4	6.8 5.5	.2 .2	.9 .9	.00 .00	63 34	29 0	0 0	105 89	6.9 6.8	18
232	Terrell Creek near Pittsboro, N.C....	4	Max Min	19 5.6	.09 .04	9.4 6.3	3.4 2.6	6.2 4.4	3.5 1.2	49 38	4.0 1.8	6.1 5.1	.3 .0	1.4 .2	.00 .00	73 51	36 27	0 0	97 82	7.3 6.8	15 10
234	Haw River near Pittsboro, N.C.....	28	Max Min	19 2.0	.20 .01	11 4.0	3.8 1.5	88 4.8	6.4 .4	139 18	31 5.4	50 4.4	.2 .0	5.8 .2	2.8 .00	262 47	42 18	4 0	464 69	7.7 6.3	100 10
235	New Hope Creek near Blackwood, N.C...	2	Max Min	13 12	.04 .00	8.7 7.5	3.1 2.9	5.3 4.6	1.5 1.1	45 40	4.4 3.2	4.5 3.7	.1 .0	.5 .0	.00 .00	61 57	34 30	0 0	88 80	7.6 7.3	14 10
236	New Hope Creek at U.S. Highway 15 near Durham, N.C.	13	Max Min	12 12	.14 .03	18 4.9	5.1 1.7	26 3.5	6.4 .3	62 21	23 .1	30 3.0	.1 .1	12 .1	.00 .00	63 62	66 20	18 0	328 61	7.3 6.4	15 15

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (Microhm at 25°C)	pH	Color
																	Calcium, magnesium	Non-carbonate			
237	CAPE FEAR RIVER BASIN--Continued Bolin Creek at Chapel Hill, N.C.....	2	Max Min	22	0.04	16 11	5.9 5.5	9.1	1.7	74 60	11	8.5	0.2	2.3	.....	101	66 52	5 2	181 148	7.8 6.8	.....
238	Morgan Creek near White Cross, N.C....	2	Max Min	16 15	.02 .00	8.5 7.5	2.3 2.2	5.3 4.4	2.4 2.0	44 38	2.8 2.8	4.9 4.2	.1 .1	1.7 1.2	0.00 .00	65 59	30 28	0 0	87 84	7.4 7.0	17 5
239	Phils Creek near White Cross, N.C....	3	Max Min	21 19	.17 .04	7.9 5.4	2.4 2.3	7.1 5.6	1.9 1.1	47 34	1.4 1.2	4.9 4.1	.2 .1	1.2 1.2	.00 .00	69 63	30 23	0 0	88 70	7.3 6.6	15 10
240	Morgan Creek near Chapel Hill, N.C....	2	Max Min	14	.02	7.0 6.2	3.1 1.6	5.3	1.8	37 29	4.8 1.6	6.0 4.6	.1	3.2	.....	61	28 24	0 0	92 84	6.6 6.6	.....
243	Haw River near Haywood, N.C.....	3	Max Min	15 10	.06 .02	9.5 7.3	3.7 2.3	4.0 1.5	3.7 1.9	74 39	14 6.6	28 14	1.4 .4	6.4 .3	2.6 .39	157 85	38 28	0 0	274 142	6.9 6.4	26 15
245	West Fork Deep River near Friend- ship, N.C.	2	Max Min	22 21	.02 .01	5.6 5.0	1.5 1.5	5.3 4.7	1.6 1.6	35 31	1.8 .8	3.5 2.1	.2 .1	.1 .0	.00 .00	62 53	20 18	0 0	68 61	7.5 6.8	15 0
246	West Fork Deep River near High Point, N.C.	10	Max Min	25 18	.44 .01	6.9 5.9	2.8 1.6	7.1 4.1	2.5 .7	44 32	5.6 1.1	4.8 2.1	.7 .0	2.3 .1	.00 .00	68 57	27 21	0 0	88 72	7.8 6.6	27 5
247	East Fork Deep River near Friend- ship, N.C.	2	Max Min	23 22	.03 .01	5.3 3.9	2.1 1.5	5.5 4.3	1.8 1.3	34 32	1.6 .6	2.2 1.7	.2 .1	.1 .1	.00 .00	57 48	19 18	0 0	58 58	7.0 6.7	10 8
248	East Fork Deep River near High Point, N.C.	27	Max Min	30 8.6	.24 .00	12 5.0	4.7 1.7	6.4 2.8	2.7 1.1	59 29	12 1.0	8.5 1.9	.3 .0	2.2 .1	.10 .00	84 45	45 23	9 0	116 70	7.5 6.4	45 3
249	Richland Creek near Archdale, N.C....	5	Max Min	16 13	.04	16 5.0	8.6 5.0	67 1.7	5.1 1.3	139 58	29 8.4	86 12	.6	2.4	.00	283	94 60	20 0	560 201	7.6 6.6	15
250	Hickory Creek near High Point, N.C....	3	Max Min	21 17	.03 .00	19 7.8	11 3.1	11 9.6	1.8 1.5	60 0	3.6 3.2	7.4 6.0	.2 .1	.2 .1	.00 .00	85 80	92 36	0 0	427 110	7.3 3.7	18 5
251	Deep River near Randleman, N.C.....	27	Max Min	21 11	.30 .00	17 6.3	6.9 1.8	110 5.8	7.9 .8	80 26	48 7.6	126 4.3	1.4 .0	.29 .2	.18 .10	61	64 27	22 0	726 98	7.6 6.0	50 10

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B133

252	Polecat Creek near Climax, N.C.....	9	Max Min	11	.02	9.0 4.6	4.0 2.6	6.7 3.9	3.5 .5	56 30	5.8 2.6	5.8 2.3	.2	1.3 .2	..... .....	70	39 23	0 0	128 67	7.3 6.3	17
253	Little Polecat Creek near Randleman, N.C.	2	Max Min	19	.06	6.7 6.4	3.2 3.1	4.9 4.6	1.5 1.3	44 43	2.4 2.4	4.0 2.8	.1	.1 .00	.00	62	29 0	0 0	86 77	7.2 6.8	12
254	Sandy Creek near Liberty, N.C.....	3	Max Min	.....	.....	.....	.....	.....	.....	44 30	4.0 2.0	4.2 3.2	.....	.....	.....	.....	28 20	0 0	91 66	6.9 6.6	.....
255	Sandy Creek near Ramseur, N.C.....	2	Max Min	19 18	.04 .01	8.0 7.4	2.8 2.7	6.0 5.5	1.4 1.2	47 44	1.6 1.4	4.1 3.5	.0	.5 .2	.00 .00	65 64	32 30	0 0	86 85	7.0 7.0	12 5
257	Richland Creek near Asheboro, N.C.....	5	Max Min	16	.00	8.3 5.2	1.9 1.2	5.7 5.7	1.5 1.5	42 23	2.0 2.0	5.2 2.5	.2	2.9 .2	.00 .00	61	31 18	0 0	96 61	7.1 6.5	10
258	Richland Creek near Coleridge, N.C....	2	Max Min	16	.06	6.3	1.9	5.3 3.8	1.6 1.5	37 20	2.2 2.0	2.7 2.4	.1	2.2 .4	.00	54	24 15	0 0	71 51	7.1 6.3	32
259	Brush Creek near Siler City, N.C.....	2	Max Min	16 15	.01 .00	6.1 5.6	2.6 2.2	5.3 5.3	1.7 1.2	38 36	2.0 1.6	5.0 3.5	.1	2.2 .3	.10 .00	58 55	26 23	0 0	75 71	6.9 6.5	20 5
260	Brush Creek near Coleridge, N.C.....	25	Max Min	11 8.4	.03 .01	6.4 4.4	2.7 1.3	5.4 3.9	1.7 .4	37 22	3.3 .5	5.0 2.5	.1	3.9 .0	.00 .00	49 48	26 17	1 0	89 55	7.1 6.2	22 8
261	Fork Creek tributary No. 2 near Erect, N.C.	4	Max Min	22 18	.15 .06	9.7 5.9	2.8 1.3	7.9 7.6	1.9 1.2	53 21	6.0 2.4	6.0 3.5	.0	1.3 .4	.00 .00	77 57	36 15	0 0	107 55	7.1 6.8	37 8
262	Fork Creek near Coleridge, N.C.....	11	Max Min	13	.....	7.2 3.8	2.4 1.0	6.7 3.4	1.4 .6	38 20	2.0 1.1	4.8 2.0	.0	3.7 .2	..... .....	..... .....	25 14	0 0	84 52	7.0 6.2	.....
263	Mill Creek near Spies, N.C.....	2	Max Min	2.6 2.6	.11 .09	1.8 1.8	.9 2.9	4.3 2.9	.9 1.8	15 13	.8 .6	3.7 4.0	.0	.9 .00	.00 .00	23 20	8 8	0 0	36 32	7.0 6.8	30 30
264	Wet Creek near Robbins, N.C.....	2	Max Min	3.7 3.5	.94 .17	2.2 2.1	.7 .2	2.5 2.3	.3 .1	10 9	.8 .6	3.7 3.3	.1	.6 .1	.00 .00	20 17	8 6	0 0	26 25	6.6 6.3	80 55
266	McLendons Creek near Harris, N.C.....	2	Max Min	4.4 4.2	.36 .31	1.4 .9	.9 .6	2.9 2.5	.7 .5	10 10	.8 3.0	3.0 3.0	.0	.8 .2	.05 .00	19 19	6 6	0 0	24 26	6.6 6.2	75 60
267	McLendons Creek near Carthage, N.C....	6	Max Min	.....	.....	.....	.....	.....	.....	11 5	4.0 1.0	3.5 2.2	.....	.....	.....	.....	10 4	0 0	32 22	6.3 5.8	.....
268	McLendons Creek near Putnam, N.C.....	2	Max Min	6.1 6.1	.18 .08	4.9 2.6	2.4 1.5	3.2 2.3	1.4 1.1	20 17	1.8 1.0	4.1 4.0	.1	.8 .6	.00 .00	34 28	22 12	6 0	46 44	6.5 6.4	70 30
269	North Branch Rocky River near Staley, N.C.	2	Max Min	.....	.....	.....	.....	.....	.....	33 30	7.0 4.0	4.8 4.5	.....	.....	.....	.....	24 20	0 0	84 73	6.9 6.7	.....

Table 4.---Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium	Specific conductance (microhmhos at 25°C)	pH	Color
270	CAPE FEAR RIVER BASIN--Continued Tick Creek near Mount Vernon Springs, N.C.	18	Max Min	17 7.2	0.21 .00	11 4.5	4.1 1.7	5.8 2.7	2.1 .4	50 16	12 2.8	6.5 2.6	0.2 .0	3.2 .1	0.10 .00	73 36	42 11	116 54	7.6 6.5	35 2
271	Tick Creek near Bonlee, N.C.	4	Max Min	9.8 9.8	.01 .01	10 5.6	4.0 2.9	4.8 2.9	2.8 2.8	55 34	5.3 2.2	6.2 3.0	.0 .0	1.8 .8	.00 .00	66 27	42 0	108 75	7.1 6.6	17
272	Landrum Creek near Pittsboro, N.C.	2	Max Min	16 14	.03 .00	9.2 7.9	3.2 2.9	6.2 5.6	2.2 1.6	52 49	1.6 1.0	6.1 4.0	.1 .1	.1 .1	.10 .00	68 64	35 33	99 86	7.3 7.1	17 5
273	Bear Creek near Goldston, N.C.	9	Max Min	3.2 3.2	.07 .07	6.9 3.6	3.5 1.1	6.2 2.5	3.0 .4	38 16	5.0 1.5	8.6 2.6	.2 .3	.6 .3	.00 .00	31 3	32 0	98 45	7.1 6.3	33
275	Neal Creek near Lillington, N.C.	9	Max Min	..... .....	..... .....	4.4 2.0	1.8 .6	6.2 4.8	1.8 1.0	21 9	5.0 .8	7.8 3.0	..... .....	3.5 .6	..... .....	56	15 8	69 46	6.9 6.0	.....
277	Upper Little River near Lillington, N.C.	2	Max Min	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	12 12	2.0 2.0	4.0 3.2	..... .....	..... .....	..... .....	..... .....	9 8	40 34	6.3 6.2	.....
278	Crane Creek near Vass, N.C.	7	Max Min	7.2 6.4	.57 .05	2.5 1.5	.9 .3	3.0 2.9	1.0 1.0	16 4	3.0 2.0	4.5 3.2	.0 .0	.6 .3	.00 .00	27 23	15 4	43 26	6.6 5.7	45 20
280	Stewarts Creek at Linden, N.C.	5	Max Min	..... .....	..... .....	3.6 1.3	1.1 .3	7.2 1.5	1.4 .7	11 3	5.2 .4	10 2.5	..... .....	4.1 .4	..... .....	..... .....	14 4	57 28	5.9 5.2	.....
283	Rockfish Creek at Raeford, N.C.	4	Max Min	..........	..........	.4.....	.1 .....	..... .....	..... .....	4 2	2.0 .2	2.2 1.8	..... .....	..... .....	..... .....	..... .....	4 0	16 11	5.8 5.3	.....
287	Turnbull Creek near Elizabethtown, N.C.	8	Max Min	11.....	.62	2.8 2.0	2.1 .1	4.4 2.3	.5 .2	12 0	4.4 .9	8.7 3.4	.0 .0	3.6 .2	..... .....	29	16 3	73 40	5.4 4.2	180
288	Hammond Creek near Lisbon, N.C.	4	Max Min	..... .....	..... .....	35 18	4.0 1.6	6.3 4.3	1.5 1.0	120 56	6.9 3.1	8.8 7.5	..... .....	1.2 .2	..... .....	..... .....	104 51	199 128	7.0 6.5	.....
290	Livingston Creek near Acme, N.C.	8	Max Min	..... .....	..... .....	39 6.1	2.8 .9	7.0 3.6	.7 .2	105 17	22 1.7	9.0 5.5	..... .....	1.4 .4	..... .....	..... .....	110 21	248 55	7.8 6.0	.....

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B135

291	Hood Creek near Leland, N.C.....	27	Max 8.0 Min 4.4	.44 .03	24 4.0	1.8 .1	5.8 2.4	.5 .0	75 7	9.2 .4	9.2 4.0	.3 .0	2.3 .2	.07 .00	75 26	63 12	12 0	151 36	7.4 5.6	240 8
293	Six Runs Creek near Clinton, N.C.....	7	Max Min .....	..... .....	5.0 4.6	1.0 1.0	5.9 4.7	1.2 1.0	29 10	4.0 2.0	10 5.3	..... 5.3	3.4 .4	..... .....	..... .....	30 16	2 8	86 51	7.1 5.9	.....
295	Mingo Swamp near Dunn, N.C.....	4	Max Min .....	..... .....	4.6 2.4	3.1 .7	24 7.1	5.1 1.6	89 6	20 1	22 7.2	..... 7.2	9.3 .1	..... .....	..... .....	61 9	12 0	234 59	6.8 5.8	.....
297	Colly Creek near Kelly, N.C.....	26	Max 14 Min 3.1	1.0 .09	4.4 .0	2.2 .0	4.6 1.6	3.0 .2	13 14	14 1.4	15 1.0	.3 .0	1.6 .0	38 .00	38 16	20 0	123 35	4.7 4.0	700 20	
299	Moore's Creek near Atkinson, N.C.....	3	Max Min .....	..... .....	2.3 1.6	.8 .5	3.4 3.0	.4 .1	6 3	2.5 .9	6.4 5.2	..... .....	2.6 1.5	..... .....	..... .....	9 6	6 3	42 35	5.5 5.1	.....
303	Northeast Cape Fear River near Seven Springs, N.C.	21	Max 11 Min 1.6	.87 .04	12 2.0	1.8 .4	124 3.2	3.6 1.0	32 3	10 1.3	194 5.8	.3 .2	4.1 .00	.80 .24	357 24	32 8	10 0	721 42	6.3 5.1	150 35
305	Rockfish Creek near Wallace, N.C.....	16	Max 12 Min 1.4	.65 .04	9.6 2.4	1.8 .3	4.4 2.9	1.3 .5	26 6	11 2.8	7.5 3.8	.2 .0	2.6 .4	.10 .00	47 23	28 10	1 1	72 37	7.1 5.6	200 50
306	Rockfish Creek at Wallace, N.C.....	7	Max 9.5 Min 3.7	.43 .09	12 3.2	1.0 .4	5.7 2.7	1.3 .3	15 6	29 2.3	8.5 2.9	.4 .0	1.8 .3	..... .....	64 29	32 11	28 13	105 45	6.4 5.8	100 25
311	Allen Creek near Southport, N.C.....	6	Max 8.0 Min.....	.43	33 2.8	1.5 1.2	5.9 4.8	.4 .0	102 21	5.9 1.6	12 7.2	.1 .3	5.4 .3	..... .....	86	88 30	13 0	195 73	6.9 6.1	.....
LOCKWOODS FOLLY RIVER BASIN																				
312	Pinch Gut Creek near Bolivia, N.C....	8	Max Min .....	..... .....	68 5.4	4.4 .2	8.4 4.8	.7 .0	208 56	5.2 1.0	11 8.2	..... .....	2.4 .3	..... .....	..... .....	175 48	5 2	366 110	7.7 6.4	.....
PEE DEE RIVER BASIN																				
315	Buffalo Creek near Legerwood, N.C....	2	Max 11 Min 9.8	.03 .03	3.2 2.0	.5 .5	2.0 1.5	.6 .4	13 12	2.0 1.2	1.1 1.0	.1 .0	.3 .1	.01 .01	27 23	10 7	0 0	26 23	6.8 6.4	3
316	Yadkin River near Patterson, N.C.....	12	Max 23 Min 9.5	.04 .00	3.2 1.8	.9 .2	2.6 1.6	1.2 .4	21 12	2.6 1.1	3.0 .5	.1 .0	1.2 .1	.00 .00	42 24	12 6	0 0	44 26	7.1 6.4	5 2
317	Kings Creek at Grandin, N.C.....	3	Max 20 Min 18	.02 .01	3.9 3.1	1.0 .9	4.2 2.7	1.6 .8	23 20	2.6 1.8	1.9 1.7	.2 .0	.3 .1	.03 .00	45 30	14 0	0 42	47 6.5	6.8 5	5
318	Elk Creek at Elkville, N.C.....	9	Max 12 Min 9.5	.02 .00	2.9 1.8	.8 .5	6.6 1.6	1.2 .7	18 11	3.1 .3	6.2 .5	1.2 .1	1.2 .00	.00 .00	40 23	10 7	0 0	60 26	7.0 5.9	10 5
319	Stony Fork near Ferguson, N.C.....	6	Max 12 Min .....	..... .....	4.4 1.6	1.9 .5	2.6 1.6	.8 .5	17 12	4.3 .1	3.0 .7	......2	5 .2	..... .....	27	16 7	5 0	60 26	7.0 5.0	.....

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (microhm-cm at 25°C)	pH	Color
																	Calcium	Non-carbonate			
320	PEE DEE RIVER BASIN--Continued North Prong Lewis Fork Creek at Champion, N.C.	7 Max Min	21 12	0.03	2.0 1.2	1.5 .4	3.8 2.0	1.0 .5	21 11	2.6 1.0	2.7 .6	0.0	1.7 .1	..... .....	..... .....	37 26	12 5	1 0	41 22	6.9 6.1	..........
321	South Prong Lewis Fork Creek at Champion, N.C.	8 Max Min	13 11	.03 .02	2.7 1.3	1.2 .3	2.9 1.6	.9 .5	22 10	1.9 .7	3.6 .5	0 .1	0.00 .1	..... .....	..... .....	28 23	11 5	3 0	40 19	7.1 6.2	6
322	Lewis Fork Creek at Champion, N.C....	2 Max Min	12	.02	2.1 1.9	.7 .7	1.8 1.8	.8	15 14	2.5 2.2	1.0 .7	0 .1	..... .....	..... .....	..... .....	27	8 8	0 0	48 26	6.8 6.6	5
323	Middle Fork Reddies River near Wilbar, N.C.	8 Max Min	9.8	.....	1.8.....	.7	4.1	1.0	14 9	2.0 1.0	3.4 1.0	..........	..........	.5 .....	..... .....	30	11 4	0 0	40 22	7.0 6.1	..........
326	Mulberry Creek near North Wilkes- boro, N.C.	7 Max Min	13	.03	3.3 2.1	2.0 1.2	2.9 2.2	.8 1.4	22 14	3.9 1.0	3.6 .5	.1 .1	..........	.5 .....	..... .....	29	16 7	0 0	56 26	7.2 6.2	9
327	Roaring River near Roaring River, N.C.	14 Max Min	14 11	.15 .01	2.0 1.4	1.1 .2	5.8 1.7	1.8 .5	16 8	4.2 .6	4.5 .6	.1 .0	2.7 .0	.06 .....	..... .....	37 22	8 3	2 0	52 21	7.0 5.8	15 5
328	Bugaboo Creek at Ronda, N.C.....	8 Max Min	10 9.2	.04	2.2 1.2	1.5 .4	4.0 1.3	.8 .4	14 10	2.1 .4	5.0 .8	.1	1.0 .3	..... .....	..... .....	26	12 6	2 0	33 21	6.8 6.2	..........
329	Yadkin River at Elkin, N.C.....	11 Max Min	13 9.5	.16 .00	3.4 2.0	1.4 .5	1.9 1.9	.9 1.1	21 19	3.2 .6	2.9 1.5	.1 .0	1.7 .1	.02 .....	..... .....	32 28	10 8	2 0	45 30	6.5 5.7	20 5
330	Mitchell River near Mountain Park, N.C.	4 Max Min	.....	.....	2.0.....	.5	.....	.....	15 11	1.0 .8	2.2 .5	..........	..........	.5 .....	..... .....	.....	10 7	0 0	28 24	7.0 6.2	..........
331	Mitchell River near State Road, N.C..	18 Max Min	9.5 7.7	.03 .01	2.8 1.8	1.4 .3	2.2 1.3	.9 .2	17 10	4.2 .4	2.5 .4	.1 .0	.6.....	.02 .....	..... .....	23 20	12 6	2 0	32 21	6.9 6.2	20 5
332	Little Fisher River at Oak Grove, N.C.	4 Max Min	9.2 7.7	.07 .01	2.7 1.4	.6 .3	2.6 1.2	.7 .5	12 10	2.6 .2	2.5 1.5	.0 .1	.2.....	.01 .....	..... .....	25 18	8 6	0 0	26 21	6.6 6.4	10 5
334	Ararat River at Mt. Airy, N.C.....	9 Max Min	11 10	.04	3.7 2.9	1.6 .5	3.0 2.2	1.3 .7	25 14	4.2 1.4	5.7 1.3	.1 .0	1.8.....	.00 .....	..... .....	35 24	23 10	0 0	63 35	6.9 6.2	5
335	Stewarts Creek near Mount Airy, N.C.	5 Max Min	8.1	.....	3.0	1.0	4.2	.9	18 12	2.7 1.0	3.8 1.2	..........	..........	.5 .....	..... .....	33	12 8	0 0	49 29	7.2 6.7	..........

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B137

336	Ararat River at Ararat, N.C.....	7	Max Min	13 11	.16 .00	4.4 2.9	1.3 .2	5.8 2.9	1.7 .9	21 16	3.6 2.2	6.5 3.2	-2 -1	2.6 1.0	.40 .33	46 33	14 12	0 0	58 40	6.6 6.1	10 5
337	Toms Creek at Pilot Mountain, N.C....	7	Max Min	13 13	..... .....	3.6 3.1	1.0 .8	3.6 3.1	1.5 .8	23 18	4.0 .7	3.7 1.3	..... .....	1.0 .3	..... .....	36 11	17 0	0 0	55 39	7.2 6.4	..........
338	West Prong Little Yadkin River near Pinnacle, N.C.	2	Max Min	18 17	.20 .06	3.0 3.0	1.8 1.8	4.4 3.6	1.7 1.1	28 23	3.0 1.0	2.7 1.6	.1 .3	.5 .3	.10 .42	49 15	18 0	0 0	52 48	6.7 6.3	..........
339	East Prong Little Yadkin River at Chestnut Grove, N.C.	2	Max Min	22 21	.12 .08	3.8 3.3	1.2 1.0	4.5 4.0	1.8 1.4	26 24	2.5 1.2	1.9 1.6	.2 .5	.8 .5	.10 .49	49 14	0 0	0 0	53 48	6.7 6.5	..........
340	Little Yadkin River at Dalton, N.C....	16	Max Min	23 4,7	.14 .00	4.2 2.6	2.1 .9	5.1 1.9	2.2 1.1	27 11	5.4 1.2	3.8 .6	.6 .0	1.5 .0	.03 .28	58 21	18 0	2 0	55 38	7.6 6.0	80 3
341	Little Yadkin River near Donaha, N. C.	7	Max Min	20 16	.04	5.1 1.3	2.0 .8	3.9 2.8	2.4 .2	32 5	3.0 .4	3.4 1.8	.2 .3	1.3 .3	..... .....	53 45	21 6	2 0	64 50	7.1 5.5	..........
342	Yadkin River at Enon, N.C.....	6	Max Min	13 10	.06 .00	3.8 2.2	1.0 .6	4.7 2.3	1.4 .9	23 13	5.4 .4	4.3 2.0	.1 .0	.6 .2	.00 .28	40 8	34 0	0 0	52 32	6.7 6.2	15 4
344	Logan Creek near Enon, N.C.....	4	Max Min	21 16	.15 .00	6.4 5.5	2.6 1.6	3.9 3.4	2.2 1.3	35 31	6.6 1.4	3.4 .8	.2 .0	.4 .1	.11 .00	57 48	27 22	0 0	66 63	7.4 6.8	23 5
345	North Deep Creek near Yadkinville, N.C.	6	Max Min	18 11	.01 .01	4.5 2.6	2.5 .9	4.1 2.3	2.2 .9	24 18	5.0 1.0	3.4 1.0	.1 .3	1.2 .3	.00 .30	46 12	18 0	0 0	54 39	7.3 6.4	5 5
346	Deep Creek near Shacktown, N.C.....	8	Max Min	13 12	.00	5.0 2.6	1.1 .7	2.7 2.0	2.1 1.0	24 15	5.0 .2	2.0 1.2	.1 .1	1.5 .1	.00 .30	40 9	17 0	0 0	47 38	7.0 6.2	5 5
347	Muddy Creek near Lewisville, N.C.....	6	Max Min	20 14	.04 .01	9.5 6.7	3.5 2.0	5.4 4.0	2.8 1.6	44 38	9.4 .2	5.0 3.2	.2 .1	.4 .0	.10 .00	69 59	36 29	5 0	103 76	7.3 6.6	15 5
348	Silas Creek near Clemmons, N.C.....	6	Max Min	19 8,4	.27 .00	15 7.5	3.1 2.1	7.3 4.0	3.4 2.0	63 27	10 4.0	8.1 4.2	.3 .1	1.6 .1	.00 .54	88 50	50 27	5 0	131 90	7.4 6.2	25 0
349	Little Creek near Clemmons, N.C.....	2	Max Min	26.....	.12	8.7 8.2	3.6 2.6	5.8 2.6	2.1 4.6	48 38	4.4 3.8	3.2 3.0	.1 .3	1.7 1.3	..... .....	79 32	36 0	0 0	99 99	7.3 6.7	15
350	Muddy Creek near Clemmons, N.C.....	9	Max Min	20 .....	..... .....	9.6 7.6	4.1 2.9	6.5 2.9	2.7 3.4	55 34	5.0 1.8	3.6 2.0	.0 .5	2.1 .5	..... .....	73 23	41 0	0 0	104 76	7.4 6.3	..........
351	Salem Creek at Winston-Salem, N.C....	6	Max Min	17 13	.14 .01	19 11	3.7 2.7	21 12	3.9 2.9	66 46	13 10	30 16	.6 .3	2.8 .1	.27 .00	136 104	60 39	10 0	231 169	7.0 6.6	20 5
352	Muddy Creek near Muddy Creek, N.C....	6	Max Min	19 16	.26 .01	17 9.6	4.0 2.8	40 20	16 5.9	104 36	25 13	35 18	.6 .4	.19 .6	7.4 3.3	208 130	56 40	13 0	344 200	7.5 6.4	90 25

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Calcium, magnesium	Hardness as CaCO ₃	Specific conductance (Microhm-cm at 25°C)	pH	Color
	PEE DEE RIVER BASIN--Continued																				
353	South Fork Muddy Creek near Winston-Salem, N.C.	7	Max 22 Min	..... .....	..... .....	6.4 5.2	4.1 1.7	6.7 4.6	1.6 1.0	4.3 31	4.2 1.9	6.3 2.5	..... .....	1.8 .4	..... .....	64	33 21	0 0	88 65	7.3 6.3	..........
354	South Fork Muddy Creek near Clemmons, N.C.	7	Max 24 Min 18	0.14 .01	7.8 5.2	2.5 1.3	2.5 1.3	6.3 4.4	2.1 1.1	37 25	6.0 .2	7.7 1.0	0.2 .1	1.6 .2	0.10 .00	68 54	28 21	1 0	86 60	7.5 6.4	71 5
355	Reedy Creek near Yadkin College, N.C.	2	Max 28 Min 24	.30	4.5 4.2	1.6 1.4	6.4 5.2	6.4 5.2	2.0 1.2	32 32	2.4 2.0	2.0 1.7	.2 .0	1.0 .2	.10	63 57	17 17	0 0	68 66	7.2 6.8	25
356	Reedy Creek near Reedy Creek, N.C....	3	Max 33 Min 27	.22 .13	6.1 5.5	2.1 1.4	6.8 5.2	6.8 6.7	2.0 1.7	43 35	3.8 2.6	2.2 1.5	.2 .1	1.1 .5	.....	77 65	24 20	0 0	85 72	7.1 6.5	20
358	Dutchmans Creek near Cana, N.C.....	2	Max 21 Min	.02	12 8.7	5.2 3.7	5.0 3.7	5.0 3.7	1.4 1.4	77 53	4.2 2.0	2.6 1.7	.1 .1	1.1 .1	.00	73 36	52 36	0 0	133 94	7.2 6.8	10
359	Dutchmans Creek near Maine, N.C.....	2	Max 23 Min 19	.03 .01	9.4 9.1	3.8 3.8	4.9 3.8	4.9 4.3	1.9 1.3	56 53	3.2 2.8	3.0 3.0	.2 .1	.2 .2	.00	77 70	48 38	0 0	110 97	7.4 7.0	10 5
360	Cedar Creek near Smithgrove, N.C.....	4	Max 27 Min 19	.03 .00	24 19	13 7.9	7.0 6.0	7.0 6.0	2.2 1.0	133 106	13 5.6	7.2 5.0	.2 .1	.4 .1	.02 .00	147 127	109 92	4 0	230 192	8.0 7.0	10 5
361	South Yadkin River at Hiddenite, N.C.	3	Max 14 Min 12	.12 .01	3.2 2.6	1.4 .6	2.5 2.0	2.5 2.0	1.5 1.0	19 16	1.4 .8	3.2 1.6	.1 .0	.5 .0	.01 .00	36 30	13 10	0 0	40 36	7.1 6.6	25 5
362	Greasy Creek near Hiddenite, N.C.....	3	Max 15 Min 13	.11 .00	3.0 2.2	.8 2.5	.8 2.2	2.8 2.2	1.4 .9	17 14	1.6 1.0	2.3 1.0	.3 .0	.6 .0	.00 .00	34 29	10 8	0 0	35 32	7.2 6.4	25 5
363	South Yadkin River near Statesville, N.C.	9	Max 19 Min 13	.03 .00	6.0 2.0	2.7 .6	3.8 2.6	3.8 2.6	1.5 .7	30 19	3.2 .7	4.8 1.5	.1 .5	1.2 .2	.....	43 38	22 11	4 0	66 37	7.2 6.2	10 10
364	Snow Creek near Scotts, N.C.....	4	Max 16 Min 13	.10 .01	4.3 3.4	1.5 1.1	2.9 2.1	2.9 2.1	1.9 1.2	25 20	4.2 1.4	2.7 1.5	.1 .0	.4 .1	.01 .00	42 36	16 14	0 0	50 44	7.1 6.9	18 10
365	Rocky Creek at Union Grove, N.C.....	2	Max 12 Min 9.8	.10 .00	2.4 1.6	.7 .4	.7 .4	2.1 1.5	1.1 1.0	14 12	.8 .4	2.0 2.0	.0 .0	.4 .2	.01 .00	28 24	8 7	0 0	29 27	6.7 6.4	17 5

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B139

366	Patterson Creek near Charles, N.C....	3	Max Min	17 14	.03 .00	4.9 4.2	1.6 1.4	3.6 2.5	1.4 1.2	28 24	1.4 1.0	2.8 2.0	.3 .1	1.1 .1	.00 .00	44 41	18 17	0 0	52 50	7.2 6.5	5 4
367	Rocky Creek at Turnersburg, N.C.....	24	Max Min	15 10	.45 .00	3.6 1.8	2.6 .6	2.6 1.6	1.7 .7	21 14	5.2 1.1	9.4 .6	-2 .0	1.3 .0	.10 .00	37 28	16 10	14 0	269 32	7.4 6.3	25 2
368	Fifth Creek near Statesville, N.C.....	10	Max Min	19 19	.00 .00	5.1 4.0	2.0 1.3	4.7 2.6	1.8 .8	34 25	3.0 .7	2.5 1.6	.00 .00	1.4 .5	.00 .00	55 55	24 16	0 0	67 53	7.3 6.4	.00 .00
370	Hunting Creek at Union Grove, N.C.....	2	Max Min	13 11	.09 .02	2.6 1.9	.6 .4	2.1 1.6	1.2 1.1	15 12	2.4 1.0	2.1 1.5	.1 .0	.3 .2	.00 .00	30 26	8 8	0 0	31 28	6.8 6.6	19 0
372	Bear Creek at Mocksville, N.C.....	9	Max Min	22 21	.03 .03	9.9 6.8	4.8 2.0	11 4.4	3.2 .7	70 42	4.7 1.7	6.8 2.3	.3 .3	5.2 .3	.10 .00	90 79	45 28	0 0	161 73	7.4 6.5	5 5
374	Third Creek subwatershed No. 7A near Stony Point, N.C.	50	Max Min	13 2.7	.59 .00	4.2 1.6	2.3 .2	6.6 1.0	3.7 1.0	20 2	7.2 1.1	10 1.0	.3 .1	9.4 .1	.82 .00	50 16	20 6	9 0	71 26	8.5 5.0	30 1
375	Third Creek near Barium Springs, N.C.	4	Max Min	19 14	.04 .00	6.3 5.3	2.5 1.6	4.7 3.1	2.6 1.8	34 28	3.2 1.6	4.0 2.2	.2 .1	2.0 .2	.03 .00	55 49	24 22	0 0	74 66	6.8 6.6	10 5
376	Third Creek subwatershed No. 21 (IL Creek) at Troutman, N.C.	11	Max Min	22 4.0	.08 .00	6.8 4.0	3.6 .1	4.6 3.0	4.4 1.8	39 16	11 .1	5.0 .6	.2 .1	2.9 .1	.10 .00	56 35	31 12	7 0	81 58	7.4 6.2	21 1
378	Fourth Creek at Statesville, N.C.....	3	Max Min	21 21	.04 .03	6.0 5.1	2.7 1.9	2.5 2.0	1.6 1.5	36 36	2.1 1.8	2.0 1.2	.1 .1	4.1 .1	.00 .00	56 53	26 23	0 0	72 65	7.5 6.8	6 5
379	Morrison Creek near Statesville, N.C.	2	Max Min	16 16	.04 .04	3.9 3.0	1.8 1.6	1.7 1.7	.9 24	25 24	1.8 1.0	1.2 1.2	.0 .1	2.4 .1	.00 .00	38 15	16 15	0 0	47 44	6.8 6.6	5 5
380	Third Creek at Coolmeade, N.C.....	3	Max Min	22 17	.03 .00	11 8.4	3.8 2.0	13 5.8	3.2 1.9	55 46	10 2.8	9.4 4.4	.3 .2	1.8 .2	.19 .00	96 68	40 32	0 0	139 98	7.1 6.6	7 0
381	Withrow Creek near Bear Poplar, N.C..	5	Max Min	25 21	.06 .00	7.6 7.1	2.4 1.8	4.9 3.8	2.0 1.5	72 33	7.2 4.4	3.0 1.0	.3 .1	.2 .1	.10 .00	69 61	29 26	0 0	87 73	7.5 6.7	10 4
382	Back Creek near Mill Bridge, N.C.....	5	Max Min	27 19	.03 .00	10 8.7	3.4 3.0	5.3 4.1	2.3 1.6	52 46	5.6 3.8	5.0 2.6	.3 .2	.3 .2	.02 .00	81 72	39 36	0 0	110 84	7.6 6.7	10 4
383	Sloans Creek near Mill Bridge, N.C...	4	Max Min	28 23	.04 .00	9.9 8.7	2.8 2.3	4.9 4.2	2.2 1.5	47 43	6.0 3.6	3.6 2.5	.2 .1	.8 .2	.02 .00	78 70	35 32	0 0	94 90	7.1 6.7	10 5
384	North Second Creek near Barber, N.C.	8	Max Min	24 24	.03 .03	9.0 8.0	3.7 2.9	4.5 3.2	1.8 1.1	52 40	10 3.9	3.0 2.0	.2 .1	.9 .1	.00 .00	71 71	38 16	0 0	111 93	7.5 6.6	5 5
385	North Second Creek near Franklin, N.C.	4	Max Min	26 26	.01 .01	12 8.3	5.5 3.0	7.3 4.6	1.4 .6	49 47	4.5 2.5	6.2 1.0	.2 .0	1.3 .0	.00 .00	72 72	50 34	0 0	132 90	7.7 6.6	5 5
386	Grants Creek at Salisbury, N.C.....	10	Max Min	27 19	.03 .00	13 3.8	4.0 .7	36 4.1	2.9 1.9	70 15	13 1.4	40 3.2	.2 .1	5.2 1.1	1.8 .00	168 47	54 12	0 0	275 53	7.6 6.3	10 5

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (microhm-cm at 25°C)	pH	Color
																	Calcium, magnesium	Non-carbonate			
387	PEE DEE RIVER BASIN--Continued South Potts Creek near Linwood, N.C.	4	Max Min	27 19	0.28 .00	5.9 4.1	2.1 1.7	5.1 4.5	2.2 1.1	32 32	6.2 1.2	2.9 1.2	0.2 1.1	0.5 .2	0.01 .00	65 54	22 18	0 0	68 61	7.4 6.8	35 4
388	Swearing Creek at Linwood, N.C.	7	Max Min	..... .....	..... .....	7.6	5.4 3.4	19 5.5	3.5 .8	119 38	4.6 6.0	12 2.3	..... .....	..... .....	..... .....	..... .....	47 29	0 0	231 96	7.8 6.5	..........
389	Crane Creek near Granite Quarry, N.C.	4	Max Min	25 16	.07 .01	12 7.9	3.6 3.4	7.4 5.8	1.9 1.0	64 45	5.4 2.0	5.8 4.8	.3 .1	.9 .2	.01 .00	90 66	45 34	0 0	121 97	7.5 6.7	15 5
390	Second Creek near Liberty, N.C.	4	Max Min	29.....	.07	14	5.8 4.0	8.2 7.9	1.7 1.2	86 59	3.1 1.6	5.8 3.5	.1	1.9 1.3	..... .....	91	58 42	0 0	158 127	7.2 6.5	..........
391	Abbotts Creek near Wallburg, N.C.	3	Max Min	28.....	.06	7.6 7.0	3.2 2.7	16 12	2.4 1.9	49 45	17 3.0	19 11	.1	1.3 .5	.10	91	31 30	0 0	148 120	7.0 6.9	..........
392	Brushy Fork near Thomasville, N.C.	2	Max Min	28.....	.06	6.9 5.8	2.8 2.0	5.8	1.7	41 38	2.4	2.2.....	.1.....	.5.....	.10	69	26 26	0 0	81 79	7.4 7.0	..........
393	Abbotts Creek near Thomasville, N.C.	6	Max Min	26 .....	..... .....	7.3 6.5	3.1 2.8	15	1.0	50 37	6.0 1.6	16.0 4.5	.0.....	.9 .8	..... .....	91	32 24	0 0	146 86	7.4 6.7	..........
394	Rich Fork near High Point, N.C.	2	Max Min	41 29	.18	18 14	7.9 6.2	11 9.0	1.9 .4	112 87	4.4 2.2	5.6 4.0	.1 .0	.7 .5	..... .....	146 108	78 61	0 0	204 165	7.5 7.2	7
395	Rich Fork near Holly Grove, N.C.	12	Max Min	23 19	.07	18 12	7.3 4.5	95 10	8.9 1.6	156 51	39 8.8	115.....	.8	13 1.6	9.8	350 330	82 47	6 0	710 158	7.6 6.5	..........
398	Lick Creek at Healing Springs, N.C.	9	Max Min	21 4.1	.02	8.4 4.4	3.9 1.5	9.4 3.3	2.5 .5	56 22	6.6 1.5	9.8 3.5	.1	2.6 1.1	..... .....	73 45	37 22	4 0	116 69	7.5 6.3	..........
399	Cabin Creek near Jackson Hill, N.C.	2	Max Min	19 14	.10 .03	12 7.8	5.9 3.3	5.8 3.7	1.5 1.4	70 42	3.2 2.8	2.7 2.6	.1	1.5 .6	..... .....	85 58	52 33	0 0	123 86	7.2 6.7	15
400	Upharrie River near Trinity, N.C.	3	Max Min	20 17	.07 .01	11 6.8	5.0 3.4	8.3 6.1	1.3 .8	58 33	6.3 3.4	7.3 5.2	.2 .1	1.5 .7	..... .....	85 63	46 31	4 0	121 91	7.6 6.7	15 13

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B141

401	Uwharrie River near Asheboro, N.C.....	6	Max Min	15	.03	10	4.4 4.1	6.6 5.8	1.4 .5	58 43	5.6 2.1	6.1 4.0	.1	.7 .4	..... .....	77	42 33	2 0	112 99	7.2 6.5	8
402	Uwharrie River near Farmer, N.C.....	3	Max Min	17 14	.13 .02	12 9.6	5.3 3.9	6.4 5.2	1.7 1.2	70 47	5.0 3.2	5.0 2.0	.1 .0	1.8 .4	.00	84 68	52 40	2 0	128 100	7.6 6.6	15 10
403	Little Caraway Creek near Asheboro, N.C.	2	Max Min	21 16	.08 .03	12 9.5	5.2 5.0	7.3 7.0	3.2 1.2	72 67	3.8 2.4	5.4 2.0	.1 .1	1.2 1.0	.10	88 84	51 44	0 0	137 118	7.3 7.1	15 15
404	Caraway Creek near Asheboro, N.C.....	3	Max Min	19 12	.31 .02	8.3 7.3	3.5 2.2	5.4 4.8	1.8 1.3	49 42	4.6 3.2	3.0 2.0	.1 .1	.3 .2	.00	86 58	36 27	0 0	99 88	7.3 6.6	20 15
405	Back Creek near Central Falls, N.C....	2	Max Min	18 16	.15 .05	7.2 6.4	3.6 2.8	6.3 5.6	3.0 1.2	54 45	4.6 1.4	3.5 .8	.2 .1	.4 .0	.00	74 57	33 28	0 0	100 77	7.4 7.2	25 10
406	Back Creek near Asheboro, N.C.....	3	Max Min	13 9.7	.04 .01	9.6 7.2	4.0 1.9	7.8 4.1	1.8 1.3	55 34	4.4 2.8	7.4 1.4	.2 .1	1.7 .1	.00	75 50	40 27	0 0	115 74	7.8 6.4	25 11
407	Toms Creek at Farmer, N.C.....	2	Max Min	21 19	.14 .01	13 9.6	4.5 4.1	7.8 6.7	1.9 1.4	74 56	3.4 2.0	3.0 .0	.2 .4	.6 .....	.....	90 76	50 41	0 0	128 101	7.1 6.8	25
409	Mountain Creek near Albemarle, N.C....	2	Max Min	10	.07	6.7	2.6 1.9	4.7 1.9	1.5 2.3	36 23	6.0 2.6	4.0 3.5	.1	.9 .9	..... .....	55 18	28 0	0 0	84 59	7.1 6.5	20
410	Little Mountain Creek near Albe- marle, N.C.	2	Max Min	11	.03	9.6 7.1	2.6 2.2	13 3.7	44 26	24 12	8.4	.4	.12 9.3	..... .....	81	33 28	7 0	191 132	6.8 6.7	27	
411	Clarks Creek near Mount Gilead, N.C.	2	Max Min	18 12	.13	7.2 4.0	3.2 1.5	7.7 4.7	3.1 1.5	50 22	2.3 2.0	4.4 2.0	.1	1.0 .2	..... .....	71	31 0	0 0	102 58	7.2 6.5	30
412	Clarke Creek near Harrisburg, N.C.....	2	Max Min	28 20	.02 .01	11 9.7	4.1 3.3	8.9 7.0	1.8 1.4	61 56	5.0 3.8	6.7 6.2	.1 .1	.4 .2	.17 .00	94 82	42 41	0 0	121 116	7.2 6.9	6 5
413	Rocky River near Roberta Mill, N.C....	5	Max Min	21	.....	15	5.1 2.4	223 62	5.4 1.6	264 103	55 1.7	192 31	.2	.6 .9	..... .....	476 30	54 0	0 0	1100 489	8.6 6.8	.....
414	Mallard Creek at Harrisburg, N.C.....	11	Max Min	29 22	.03 .01	14 8.3	6.3 4.1	8.3 5.9	1.9 .6	82 47	6.3 1.0	6.0 2.8	.2 .0	1.3 .0	.10	98 85	60 40	2 0	153 120	7.4 6.5	10 5
418	Reedy Creek at Rocky River, N.C.....	10	Max Min	35 22	.02 .02	13 9.1	6.7 3.9	8.6 6.1	2.1 1.0	88 55	4.6 3.5	5.7 1.6	.1 .1	1.5 .4	..... .....	108 81	59 40	0 0	155 108	8.0 6.6	5
423	Dutch Buffalo Creek near Rimer, N.C...	2	Max Min	19 19	.02 .00	15 12	4.8 3.3	6.3 5.3	2.1 1.3	64 62	7.2 6.8	5.0 3.1	.2 .1	.9 .2	.00	87 86	51 50	0 0	126 123	7.1 7.0	10 10
425	Adams Creek at Mount Pleasant, N.C....	2	Max Min	37	.00	15	7.9 6.1	11 2.6	95 65	7.0 4.8	5.0	.3	.3	.10	135	69 52	0 0	183 129	7.6 7.0	.....
428	North Fork Crooked Creek near Fair- view, N.C.	3	Max Min	19 9.6	.04 .02	11 8.2	5.3 2.4	9.2 6.2	2.5 1.5	68 36	5.8 2.4	9.5 4.8	.2 .2	.3 .3	.10	87 64	50 30	1 0	131 100	7.0 6.8	20 15

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

Map No.	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium Non-carbonate	Specific conductance (Microhmhos at 25°C)	pH	Color	
	PEE DEE RIVER BASIN--Continued																				
429	Big Bear Creek near Richfield, N.C....	28	Max Min	15 6.9	0.18 .00	8.5 3.6	3.7 1.8	6.1 2.8	2.4 .4	47 11	13 2.2	9.6 3.0	0.3 .0	10 .0	0.10 .00	70 40	35 17	19 0	108 60	7.4 6.1	35 4
431	Richardson Creek near Wingate, N.C....	4	Max Min	..... .....	..... .....	18 11	9.0 3.6	9.0 3.0	8.3 1.5	20 29	6.8	48 12	..... .....	5.3 .5	..... .....	..... .....	73 33	9 33	353 121	6.8 6.6	..........
434	Brown Creek at Polkton, N.C.....	4	Max Min	13 4.5	.33 .05	9.0 2.5	5.5 1.9	7.9 3.7	3.5 1.5	68 14	.8	7.5 5.6	.1 .0	1.8 .4	.10 .03	76 33	50 14	9 0	130 61	7.1 6.0	40 25
435	Brown Creek near Polkton, N.C.....	22	Max Min	12 4.5	.63 .00	8.0 3.0	4.0 .7	8.3 2.8	2.9 .8	45 8	9.3 2	11 2.0	.3 .0	2.0 .2	.10 .00	60 28	35 10	9 0	106 43	7.1 6.0	100 20
436	Little River near Pisgah, N.C.....	2	Max Min	24 18	.20 .06	7.7 7.5	2.9 2.7	6.3 6.3	1.6 1.5	48 48	2.0 1.2	3.4 1.6	.2 .1	.4 .0	.00 .00	71 65	31 30	0 0	87 85	7.5 7.3	55 25
437	Little River near Star, N.C.....	29	Max Min	23 5.7	.27 .00	6.3 2.0	2.2 .5	5.6 2.2	1.6 .4	36 8	6.2 .3	4.5 1.0	.6 .0	1.6 .0	.10 .00	56 25	22 9	2 0	68 32	7.7 5.9	70 4
439	Cheek Creek near Pekin, N.C.....	2	Max Min	8.2 7.5	.14	5.0 3.5	2.4 2.0	5.2 3.5	1.2 .4	30 21	4.0 2.3	4.5 4.2	.1 .0	1.1 .3	......3	45 36	22 17	0 0	68 62	6.9 6.6	37
440	Cartledge Creek near Rockingham, N.C.	8	Max Min	..... .....	..... .....	8.6 2.5	4.4 1.0	13 3.3	1.3 .4	70 14	4.5 1.2	7.0 1.0	..... .....	12 .3	..... .....	..... .....	39 10	8 0	135 42	8.2 6.0	..........
442	Falling Creek near Rockingham, N.C....	7	Max Min	..... .....	..... .....	1.2 .6	.2	2.4 1.6	.1 .1	3 3	3.8 1.1	4.2 1.3	..... .....	1.3 .5	..... .....	..... .....	6 3	2 0	25 16	6.1 5.1	..........
443	South Fork Jones Creek near Morven, N.C.	5	Max Min	..... .....	..... .....	4.1 1.6	2.3 1.5	7.5 6.8	1.5 .8	30 14	1.7 1.0	8.1 5.8	..... .....	1.5 .3	..... .....	..... .....	20 6	0 0	76 64	6.8 6.4	..........
444	Marks Creek near Osborne, N.C.....	6	Max Min	..... .....	..... .....	3.3 1.6	.3	10 5.6	1.4 .8	12 7	9.1 .8	12 6.0	..... .....	7.1 1.2	..... .....	..... .....	12 5	7 0	79 47	6.2 5.3	..........
445	Gum Swamp Creek near Laurinburg, N.C.	8	Max Min	..... .....	..... .....	2.1 1.2	1.2 .7	2.9 2.2	.2 .2	9 2	3.1 .5	4.2 2.0	..... .....	1.7 .6	..... .....	..... .....	9 1	5 0	32 14	6.2 5.3	..........

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B143

4446	Big Shoe Heel Creek near Laurinburg, N.C.	4	Max	.....	.....	.....	.....	.....	6	2.0	5.2	.....	.....	.....	.....	8	0	27	5.9	.....
			Min	.....	.....	.....	.....	.....	4	1.0	3.0	.....	.....	.....	.....	1	0	25	5.8	.....
4447	Drowning Creek near Jackson Springs, N.C.	7	Max	.....	.....	.....	.....	.....	.4	7	3.8	.....	.....	.....	.....	7	2	30	6.3	.....
			Min	.....	.....	.....	.....	.....	.2	5	2.8	.....	.....	.....	.....	2	0	21	5.5	.....
4450	Lumber River near Pembroke, N.C.	7	Max	.....	.....	.....	.....	.....	.4	15	4.0	.....	.....	.....	.....	12	2	46	6.4	.....
			Min	.....	.....	.....	.....	.....	.2	2	2.3	.....	.....	.....	.....	2	0	20	5.4	.....
4451	Raft Swamp near Lumberton, N.C.	3	Max	.....	.....	.....	.....	.....	3.2	1.2	5.8	.....	.....	.....	.....	15	7	60	5.9	.....
			Min	.....	.....	.....	.....	.....	.6	3	3.1	.....	.....	.....	.....	6	4	43	4.9	.....
4452	Big Swamp near Tarheel, N.C.	8	Max	.....	.....	.....	.....	.....	2.8	1.0	5.3	.....	.....	.....	.....	15	9	72	5.7	.....
			Min	.....	.....	.....	.....	.....	.6	1	5	.....	.....	.....	.....	4	0	38	4.8	.....
SANTÉE RIVER BASIN																					
4454	Mill Creek at Old Fort, N.C.	14	Max	.....	.....	.....	.....	.....	3.4	1.4	1.5	.....	.....	.....	.....	31	14	2	34	7.1
			Min	.....	.....	.....	.....	.....	.4	1.1	.3	.....	.....	.....	.....	20	8	0	24	6.1
4455	Curtis Creek near Old Fort, N.C.	11	Max	.....	.....	.....	.....	.....	2.0	.6	.....	.....	.....	.....	.....	14	3	34	7.0	.....
			Min	.....	.....	.....	.....	.....	.4	.....	.....	.....	.....	.....	.....	6	0	21	6.2	.....
4456	Catawba River near Old Fort, N.C.	6	Max	.....	.....	.....	.....	.....	5.1	1.7	.....	.....	.....	.....	.....	19	0	61	8.7	.....
			Min	.....	.....	.....	.....	.....	.8	.....	.....	.....	.....	.....	.....	14	0	41	8.6	.....
4457	Crooked Creek near Old Fort, N.C.	2	Max	.....	.....	.....	.....	.....	2.6	1.0	3.0	.....	.....	.....	.....	34	10	32	6.6	5
			Min	.....	.....	.....	.....	.....	.5	1.2	.9	.....	.....	.....	.....	31	8	0	31	6.4
4459	North Fork Catawba River at Pitts, N.C.	12	Max	.....	.....	.....	.....	.....	8.8	4.4	.....	.....	.....	.....	.....	39	4	90	7.3	.....
			Min	.....	.....	.....	.....	.....	5.4	2.3	.....	.....	.....	.....	.....	22	0	47	6.7	.....
4460	Armstrong Creek at Sevier, N.C.	4	Max	.....	.....	.....	.....	.....	3.2	1.9	2.1	.....	.....	.....	.....	39	11	45	6.5	.....
			Min	.....	.....	.....	.....	.....	.7	1.6	.5	.....	.....	.....	.....	16	3	33	6.3	.....
4461	Mill Timber Creek at Crossnore, N.C.	4	Max	.....	.....	.....	.....	.....	3.8	2.1	2.7	.....	.....	.....	.....	37	9	47	6.6	.....
			Min	.....	.....	.....	.....	.....	.8	1.6	.4	.....	.....	.....	.....	17	0	29	6.1	.....
4462	Linville River at Branch, N.C.	26	Max	.....	.....	.....	.....	.....	13	2.6	2.3	.....	.....	.....	.....	57	42	110	7.2	15
			Min	.....	.....	.....	.....	.....	1.0	1	1.0	.....	.....	.....	.....	42	0	17	5.9	3
4463	North Muddy Creek near Nebo, N.C.	5	Max	.....	.....	.....	.....	.....	5.1	2.3	34	.....	.....	.....	.....	22	0	200	6.7	20
			Min	.....	.....	.....	.....	.....	1.4	3.7	1.1	.....	.....	.....	.....	14	0	49	6.4	7
4464	South Muddy Creek near Bridgewater, N.C.	4	Max	4.4	1.8	2.9	43	15	0	45	6.7
			Min	2.7	1.1	2.2	43	13	0	40	6.1
4465	Muddy Creek at Bridgewater, N.C.	13	Max	.....	.....	.....	.....	.....	5.0	1.4	.....	.....	.....	.....	.....	22	2	115	8.2	.....
			Min	.....	.....	.....	.....	.....	.8	.....	.....	.....	.....	.....	.....	.....	0	60	6.4	.....

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium	Non- carbonate	Specific con- ductance (Mict- omhos at 25°C)	pH	Color	
SANTEE RIVER BASIN--Continued																						
466	Silver Creek near Glen Alpine, N.C....	7	Max Min	3.7 3.4	1.2 .4	25 19	3.0 .3	3.0 .5	1.0 .2	17 10	0 0	54 38	7.1 6.6
467	Bailey Fork near Morganton, N.C.....	3	Max Min	..... .....	0.03 .00	4.5 3.5	1.5 1.1	8.6 6.5	1.1 .8	25 0	1.6 .2	12 6.6	0.1 .0	.41 .2	0.00 .00	85 52	17 14	14 0	131 66	6.6 3.9	5 5
468	Warrior Fork near Morganton, N.C.....	9	Max Min	..........	.00	3.9 1.7	1.7 .2	2.3 1.9	.6 .4	18 13	4.6 1.1	3.0 .5	.1	1.0 .1	..... .....	38 7	13 0	0 0	39 25	7.1 6.1	.....
469	Hunting Creek near Chambers, N.C.....	2	Max Min	..........	.06 .01	4.6 4.5	1.9 1.5	3.4 2.3	1.0 .8	26 26	2.4 1.6	2.4 .5	.0 .0	.3 .2	.02 .00	47 44	19 18	0 0	53 52	6.6 6.3	7 5
470	East Prong near Morganton, N.C.....	3	Max Min	..........	.08 .15	5.3 3.1	1.9 1.3	4.5 3.1	1.4 1.6	26 24	4.4 1.6	3.2 2.3	.1 .0	1.0 .2	.01 .00	49 44	21 16	2 0	68 50	6.9 6.3	10 5
471	Mulberry Creek near Collettsville, N.C.	2	Max Min	..........	.04 .02	3.8 2.5	.9 .6	2.9 2.3	1.1 .9	21 17	2.2 1.2	1.4 1.0	.1 .1	.2 .2	.01 .00	38 32	12 10	0 0	40 34	6.7 6.6	7 4
472	Wilson Creek near Adako, N.C.....	8	Max Min	1.8 1.0	0.5 .1	1.9 1.4	0.5 .1	11 10	6.1 .4	0.8 .1	0.5 .1	5 3	0 0	22 18	7.0 5.9
473	Lower Creek at Lenoir, N.C.....	8	Max Min	..... .....	..... .....	6.4 5.7	1.7 1.6	..... .....	..... .....	37 24	5.0 1.0	2.2 1.2	..........	.9 .8	..... .....	..... .....	23 17	0 0	70 62	7.2 6.7	.....
474	Lower Creek at Mulberry Street, Lenoir, N.C.	3	Max Min	..........	.12 .00	5.9 5.1	2.2 1.5	10 4.6	1.3 1.2	47 27	4.4 2.6	3.6 2.2	.1 .1	.5 .1	.02 .01	68 49	24 18	0 0	92 60	6.7 6.3	20 5
475	Husband Creek at Gamewell, N.C.....	2	Max Min	..........	.19 .07	3.9 3.3	1.0 1.0	3.2 3.0	1.3 1.1	26 .8	.4	2.6 1.6	.1 .1	.5 .2	.07 .01	45 40	14 12	0 0	46 42	7.1 7.0	25
476	Lower Creek near Morganton, N.C.....	2	Max Min	..........	.12 .02	7.1 5.9	1.8 1.7	6.3 5.2	1.5 1.4	34 31	3.6 2.6	4.2 3.6	.2 .1	3.1 1.7	.40 .37	64 55	24 22	0 0	81 76	7.1 6.5	5
477	Drowning Creek near Hildebran, N.C....	4	Max Min00	2.5 1.8	1.8 .4	3.0 2.1	1.3 .8	14 11	2.3 .5	4.0 1.7	.0	1.4 .5	13 8	2 0	42 28	6.6 6.0

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B145

478	Gunpowder Creek at Hudson, N.C.....	2	Max 11	13	.03	3.2	1.0	3.1	1.6	19	2.4	2.5	.1	1.5	.01	36	11	0	43	6.8	7
			Min	11	.02	2.6	.7	2.7	1.6	15	2.2	2.2	.0	.9		32	10	0	42	6.2	5
479	Duck Creek near Taylorsville, N.C....	3	Max 11	13	.02	3.2	.7	2.0	1.7	15	2.4	2.0	.2	.3	.00	30	10	0	36	6.5	5
			Min	11	.00	1.5	.5	1.5	1.0	12	1.4	1.0	.0	.2	.00	25	7	0	27	6.3	4
480	Middle Little River near Taylorsville, N.C.	6	Max Min	.....	4.5	.....	1.8	2.1	1.0	26	3.3	3.0	....	1.2	.....	.....	19	0	68	9.2	.....
			Min	.....	.....	1.8	.3	1.6	.7	13	.5	.6	....	.3	.....	.....	6	0	30	5.9	.....
481	Lower Little River near All Healing Springs, N.C.	24	Max Min	14 10	.16 .00	3.7 1.8	1.6 .5	2.5 1.4	1.6 .6	18 12	5.0 1.1	2.8 .5	.2 .0	1.3 .0	.00	33	14	2	39	7.3	25
			Min	10	.00	1.8	.5	1.4	.6	12	.1	.5	.0	.0	.00	25	8	0	27	6.3	0
482	Lower Little River near Taylorsville, N.C.	5	Max Min	13	.08	2.6	1.0	3.1	.....	17	2.0	2.0	.0	.8	.....	31	12	0	40	7.4	8
			Min	13	.08	2.2	.3	3.1	.....	14	.6	1.0	.0	.1	.....	.....	7	0	31	6.5	.....
483	Glade Creek at Millersville, N.C.....	4	Max Min	12	.02	2.3	1.0	2.9	1.0	18	3.1	4.5	.1	1.2	1.0	25	13	0	42	6.7	.....
			Min	12	.02	1.7	.9	1.1	.8	9	.5	2.0	.1	.5	.....	.....	8	0	26	6.0	.....
484	Elk Shoals Creek near Paynes Store, N.C.	2	Max Min	19 16	.12 .06	4.2 3.5	2.0 1.7	3.1 2.5	1.6 1.3	26 25	1.0 .6	2.0 1.0	.1 .0	1.0 .3	.02	46	18	0	50	6.9	10
			Min	16	.06	3.5	1.7	2.5	1.3	25	.6	1.0	.0	.3	.....	41	16	0	47	6.8	5
486	Lytle Creek at Catawba, N.C.....	7	Max Min	.....	.....	6.0	2.1	4.2	3.0	39	2.9	3.8	....	4.3	.....	.....	28	0	78	7.1	.....
			Min	.....	.....	4.2	.3	2.8	1.6	18	.2	2.0	....	.8	.....	.....	14	0	64	6.2	.....
488	South Fork Mountain Creek near Catawba, N.C.	2	Max Min	18 16	.12 .03	6.9 6.8	3.4 3.3	2.5 1.6	1.0 .9	39 38	3.5 3.4	1.6 1.3	.0 .2	1.1 .2	.00	56	31	0	72	7.2	8
			Min	16	.03	6.8	3.3	1.6	.9	38	3.4	1.3	.0	.2	.....	53	31	0	71	6.5	.....
489	North Fork Mountain Creek near Catawba, N.C.	2	Max Min	20 18	.01 .00	11 10	5.6 5.4	2.9 2.4	1.2 1.0	60 56	5.0 2.8	3.0 1.8	.0 .0	.3 .0	.00	75	49	3	108	7.1	.....
			Min	18	.00	10	5.4	2.4	1.0	56	2.8	1.8	.0	.0	.00	74	48	0	105	6.7	.....
490	Mountain Creek near Terrell, N.C.....	15	Max Min	30 15	.23 .00	7.1 4.6	3.1 1.6	3.7 2.6	1.6 1.0	38 27	4.3 .9	3.2 .7	.3 .0	1.2 .0	.00	64	27	0	76	7.5	18
			Min	15	.00	4.6	1.6	2.6	1.0	27	.9	.7	.0	.0	.00	45	22	0	54	6.4	2
491	Little Creek near Denver, N.C.....	2	Max Min	32 28	.54 .16	7.5 7.4	2.1 1.8	1.6 5.5	1.6 1.5	46 39	3.2 2.6	1.6 .6	.2 .1	.4 .2	.....	92	28	0	151	9.0	.....
			Min	28	.16	7.4	1.8	5.5	1.5	39	2.6	.6	.1	.2	.....	72	26	0	84	6.9	.....
492	Border Creek near Triangle, N.C.....	2	Max Min	27 22	.12	9.6	2.2	5.4	2.5	54	1.6	1.0	.1	.8	.....	72	30	0	98	7.0	17
			Min	22	.12	6.4	1.6	5.2	.3	41	.9	1.0	.0	.5	.....	64	25	0	78	6.9	.....
493	Davidson Creek near Cornelius, N.C...	13	Max Min	.....	.....	10	3.6	7.1	2.2	56	5.0	3.9	....	15	.....	.....	38	0	110	7.4	.....
			Min	.....	.....	8.0	1.5	4.8	1.2	39	1.0	1.0	....	.....	.....	.....	28	0	76	6.6	.....
494	McDowell Creek near Huntersville, N.C.	2	Max Min	36 33	.84	11	4.3	10	3.1	73	6.8	5.2	.2	1.6	.....	111	46	0	140	7.3	25
			Min	33	.84	11	4.1	7.9	1.8	66	2.1	4.1	.4	.4	.....	.....	45	0	131	6.9	.....
495	McDowell Creek near Charlotte, N.C...	2	Max Min	32 23	.01 .00	12 10	4.5 4.3	7.0 5.8	2.0 1.4	60 57	6.6 6.4	5.5 4.3	.1 .1	1.2 1.1	.31	101	48	0	121	6.9	6
			Min	23	.00	10	4.3	5.8	1.4	57	6.4	4.3	.1	1.1	.21	85	44	0	119	6.8	5
496	Leepers Creek near Lincolnton, N.C...	2	Max Min	16 14	.04	4.6	2.5	2.3	1.1	27	2.0	1.8	.0	.6	.....	44	22	0	53	7.0	5
			Min	14	.04	3.8	1.8	1.9	.2	26	.5	1.0	.0	.5	.....	37	17	0	50	6.8	.....

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium	Non-carbonate	Specific conductance (Microhm-cm at 25°C)	pH	Color
Santee River Basin--Continued																					
497	Ballard Creek near Triangle, N.C.....	2	Max 37 Min 22	0.30	6.0 4.5	2.1 1.9	7.3 3.8	1.4 .6	44 29	1.6 .7	2.2 1.8	0.2 .0	0.5 .4	.....	78 52	24 19	0 0	84 57	7.6 7.5	20	
498	Killian Creek near Lowesville, N.C....	2	Max 26 Min 24	.17 .05	6.4 4.8	2.5 2.4	5.0 4.8	1.7 1.3	39 39	5.8 3.5	2.6 .6	.2 .1	.8 .6	.....	67 66	26 26	0 0	81 77	6.9 6.7	20	
499	Dutchmans Creek near Stanley, N.C....	12	Max Min ..... .....	.....	9.9 4.4	3.0 .5	8.6 3.7	1.6 1.0	60 30	4.0 1.0	4.3 1.5	.....	.9 .1	.....	.....	37 18	0 0	112 58	7.6 6.4	.....
500	South Stanley Creek near Mount Holly, N.C.	2	Max 36 Min 33	.18 .11	13 12	4.6 4.2	6.6 5.7	1.7 1.1	72 70	2.0 1.4	2.2 1.8	.0 .0	.8 .4	0.20	99 97	50 49	0 0	123 122	7.1 6.8	8 6	
501	Long Creek near Paw Creek, N.C.....	4	Max 29 Min 13	.10 .02	15 9	5.0 2.1	8.3 4.3	1.8 1.2	15 16	2.6 1.6	5.5 4.3	.5 .0	.5 .2	.07 .00	105 54	54 24	10 0	135 78	7.3 6.4	40 8	
502	Long Creek near Thrift, N.C.....	3	Max 37 Min 20	.06 .01	15 12	5.9 4.8	9.1 8.2	1.2 .7	91 68	4.8 3.1	5.7 3.1	.2 .2	.3 .1	.04 .01	106 90	63 50	0 0	164 137	7.6 6.9	8	
504	Jacob Fork at Ramsey, N.C.....	14	Max 11 Min 7.1	.06 .00	2.0 1.0	.9 .4	1.8 1.0	1.8 .5	12 6	3.6 .4	2.2 .2	.2 .0	.5 .0	.03 .00	25 16	7 4	1 0	29 16	7.0 6.1	10 4	
505	Pott Creek near Lincolnton, N.C.....	2	Max 19 Min 15	.02	3.8 3.6	2.0 1.2	4.0 2.5	1.3 .2	24 23	1.8 1.3	3.5 1.2	.1 .1	.9 .7	.00	47 38	18 14	0 0	48 46	6.7 6.7	10	
506	Maiden Creek at Maiden, N.C.....	4	Max 15 Min ..........	.07	2.4 2.0	1.4 .7	2.4 2.1	1.0 .8	15 12	2.2 .6	2.5 1.5	.1 .1	.3 .3	.....	.....	11 9	0 0	39 30	6.6 6.2	.....
507	Clark Creek at Lincolnton, N.C.....	10	Max 20 Min ..........	.11	8.4 4.8	2.9 1.7	2.6 5.7	3.1 1.4	50 30	7.4 1.0	7.3 2.5	.2 .8	4.4 .50	.....	.....	32 19	0 0	363 72	7.0 6.4	7	
509	Indian Creek near Play, N.C.....	2	Max 12 Min 10	.01	2.9 2.6	1.9 1.2	4.0 2.6	1.2 1.2	15 15	2.6 .2	2.9 2.0	.1 .1	1.1 .9	.00	31	15 12	2 0	38 38	6.4 6.2	7	
511	Beaverdam Creek near Cherryville, N.C.	2	Max 27 Min 24	.06 .00	5.8 5.5	2.1 1.8	9.4 6.6	2.3 2.2	35 32	4.4 4.0	4.0 3.7	.1 .0	6.5 3.6	1.2	78 69	23 22	0 0	99 76	6.7 6.3	4 4	

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B147

512	Little Beaverdam Creek near Cherryville, N. C.	4	Max 17	.09	4.1	1.8	3.3	1.4	24	3.0	3.0	.1	.7	.01	43	16	0	52	7.2	22
		Min	12	.00	2.8	1.2	2.3	.8	21	1.4	1.7	.0	.3	.00	37	13	0	44	6.4	10
513	Beaverdam Creek near High Shoals, N.C.	2	Max 26	.07	6.3	2.6	5.5	1.5	35	4.3	3.0	.1	2.1	.....	64	25	0	76	6.6	5
		Min	23	.00	5.1	2.3	4.6	1.4	31	1.2	2.8	.0	2.0	.....	62	23	0	75	6.4	
514	Little Hoyle Creek near Alexis, N.C..	2	Max 25	.11	4.6	1.6	5.2	1.6	26	5.2	3.0	.2	.6	.....	59	18	0	60	6.5	7
		Min	22	.06	3.7	1.0	4.1	1.1	22	3.6	2.5	.1	.3	.....	51	13	0	53	6.3	
516	Long Creek at Bessemer City, N.C.....	3	Max 18	.03	4.6	2.0	3.2	1.5	27	2.4	3.0	.2	.4	.00	46	20	0	58	6.9	10
		Min	14	.01	4.3	1.5	2.7	1.2	26	2.2	2.2	.0	.1	.00	43	18	0	55	6.6	5
517	Long Creek near Bessemer City, N.C....	29	Max 30	.21	6.2	3.3	4.7	2.4	38	6.8	4.3	.2	2.1	.11	68	29	4	71	7.4	60
		Min	11	.00	4.2	1.3	2.4	.6	17	2	1.3	.0	.0	.00	38	18	0	54	6.4	2
519	Duharts Creek at Crumerton, N.C.....	2	Max 20	.06	12	3.0	8.0	2.4	51	8.8	6.6	.1	2.6	.20	89	42	7	129	6.8	192
		Min	6.1	.04	10	2.5	3.3	2.4	34	8.6	3.2	.0	1.4	.20	52	35	0	92	6.6	7
521	Irwin Creek at Charlotte, N.C.....	6	Max 21	.17	23	8.4	38	3.8	91	41	44	1.3	2.8	.11	223	92	23	355	7.3	20
		Min	17	.01	13	5.1	7.4	.7	63	1.3	4.0	.0	.3	.00	92	55	0	150	6.5	5
522	Irwin Creek near Charlotte, N.C.....	8	Max 23	.31	21	6.8	24	4.6	94	29	31	3.2	5.6	.30	164	78	18	271	7.6	40
		Min	12	.00	14	4.4	13	2.3	52	12	13	.6	.2	.00	126	53	0	190	6.4	4
523	Taggart Creek near Charlotte, N.C....	2	Max 26	.30	28	7.0	14	3.7	108	30	13	.2	16	.....	170	98	38	273	6.7	15
		Min	22	.15	17	5.5	13	2.3	74	4.7	6.7	.2	.2	.....	129	66	0	189	6.6	
524	Coffey Creek near Charlotte, N.C.....	2	Max 29	.20	12	4.8	8.7	2.2	73	3.2	3.8	.1	.9	.40	100	48	0	130	7.7	8
		Min	25	.11	4.7	5.7	5.7	.6	67	2.8	2.6	.0	.1	.40	87	48	0	129	7.2	
525	Briar Creek at Charlotte, N.C.....	7	Max 32	.13	18	4.6	9.2	2.5	84	19	6.7	.3	7.7	.10	118	61	13	162	7.5	20
		Min	11	.01	9.7	3.4	5.7	.5	48	.9	2.5	.0	.0	.00	69	39	0	111	6.5	5
526	Briar Creek at Sharon Road, Charlotte, N.C.	7	Max 27	.12	21	4.9	12	2.2	90	14	8.9	.3	2.0	.59	125	67	6	179	8.1	25
		Min	20	.00	13	3.7	6.5	1.2	53	6.2	5.2	.1	.1	.00	89	49	0	138	6.8	5
527	Briar Creek near Charlotte, N.C.....	2	Max 28	.01	18	4.7	9.2	1.9	70	19	6.0	.2	7.7	.00	113	60	13	161	6.8	10
		Min	19	.01	15	3.6	8.2	1.7	57	12	5.8	.2	2.0	.00	112	56	0	161	6.6	5
529	McAlpine Creek at Sardis Road near Charlotte, N.C.	9	Max 24	.13	15	5.2	9.5	1.9	68	10	7.7	.3	2.7	1.4	102	52	0	153	7.9	35
		Min	16	.00	7.9	3.1	6.3	.9	46	3.0	3.6	.0	.0	.00	72	37	0	97	6.8	5
530	McAlpine Creek near Charlotte, N.C....	2	Max 26	.02	15	5.7	13	2.3	70	8.4	8.6	.4	9.4	.47	107	56	4	168	6.7	10
		Min	9.8	.01	11	4.6	9.3	1.4	64	5.2	6.8	.2	2.7	.70	103	52	0	144	6.5	8
531	Fourmile Creek near Pineville, N.C...	5	Max 26	.11	11	4.7	14	2.6	71	5.6	9.5	.3	.6	.19	102	48	0	156	7.7	10
		Min	13	.01	7.8	3.5	5.2	1.3	51	2.6	3.4	.0	.2	.00	72	34	0	110	6.7	5

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (Microhmhos at 25°C)	pH	Color
																	Calcium	Non-carbonate			
532	SANTEE RIVER BASIN--Continued McMullen Creek at Sharon View Road, near Charlotte, N.C.	11	Max 23 Min 11	0.11 0.00	21 12	7.1 3.6	22 6.4	3.9 1.7	95 18	4.8 4.8	20	0.5	11	3.4	166	80	12	269	7.4 6.6	30 5	
533	McMullen Creek near Pineville, N.C....	2	Max 34 Min 20	.04 0.28	31 28	14 14	14 10	3.2 3.1	152 146	20 14	13	.3	.9	.00	204	134	10	309	7.5 7.3	6	
534	McAlpine Creek near Pineville, N.C....	14	Max 27 Min 14	.02 0.01	15 8.3	7.7 2.9	5.5 5.5	2.5 1.0	94 48	5.7 2.0	6.9 3.0	.2	1.1	.40	99	70	0	176	7.4 6.6	10 5	
535	Sixmile Creek near Matthews, N.C.....	2	Max 31 Min 25	.17 0.12	3.8 12	6.4 1.3	4.3 4.3	1.0 2.8	73 28	2.5 1.2	5.0 3.1	.1	1.7	.10	102	55	0	149	6.9 6.8	14	
536	Twelve Mile Creek near Waxhaw, N.C....	26	Max 23 Min 10	.37 0.00	9.3 4.3	4.3 1.0	7.2 3.7	3.2 1.0	57 10	10 2.0	9.2 3.0	.3	3.0	.13	79	41	6	119	7.7 6.4	100 12	
537	Waxhaw Creek near Waxhaw, N.C.....	2	Max 35 Min 30	.05 0.12	11 11	5.3 4.1	8.7 8.2	2.1 1.9	68 68	4.0 1.6	6.8 3.2	.2	.2	.00	101	48	0	133	7.1 7.0	5	
538	Broad River near Chimney Rock, N.C....	7	Max 15 Min 11	.04 0.00	3.2 1.8	.7 2.2	3.4 2.3	1.0 .5	18 13	3.7 1.2	3.0 .6	.1	1.5	.00	35	11	0	38	7.0 6.4	9 1	
539	Cove Creek near Whitehouse, N.C.....	3	Max 18 Min 15	.03 0.01	3.1 2.5	1.4 .6	2.3 2.3	1.1 .9	21 17	1.2 .4	2.4 1.5	.1	.1	.10	40	12	0	38	7.0 6.4	12 6	
540	Cove Creek near Lake Lure, N.C.....	32	Max 18 Min 7.1	.09 0.00	3.3 1.8	1.9 .3	3.7 1.9	1.9 .4	22 12	6.0 .2	2.8 .5	.3	1.5	.01	39	16	0	43	7.4 6.0	25 4	
541	Mountain Creek near Rutherfordton, N.C.	10	Max 21 Min 20	.08 0.01	5.2 3.2	2.2 1.4	3.4 3.0	1.0 .4	30 21	8.0 .2	3.5 1.0	.5	.7	.00	45	25	0	70	7.0 6.7	4	
542	Broad River near Rutherfordton, N.C.	2	Max 16 Min 15	.03 0.02	3.4 3.0	1.0 .8	2.9 2.4	1.0 .6	22 18	2.4 .2	1.4 .9	.1	.3	.07	36	12	0	37	6.5 5.6	15 4	
543	Walnut Creek near Rock Springs, N.C...	3	Max 16 Min 14	.03 0.02	1.9 1.7	1.3 .7	2.5 2.0	1.5 .7	15 14	1.2 1.0	3.0 1.5	.1	.3	.01	34	10	0	31	6.9 6.5	12 5	

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B149

545	White Oak Creek near Collinsville, N.C.	4	Max Min	15	.03	3.3 3.0	1.3 .8	2.7 2.2	1.0 .5	23 18	2.6 1.1	4.5 1.0	.1 .3	1.0 .00	39	17 12	2 0	55 40	7.5 6.3	10	
546	Floyds Creek near Cliffsides, N.C.....	7	Max Min	22 12	.10 .04	3.8 1.6	1.2 .2	4.6 2.1	4.0 1.1	20 11	3.4 .4	4.0 2.0	.0 .3	1.6 .00	44 37	12 5	0 0	49 33	7.0 6.0	.....
547	Cane Creek near Westminster, N.C.....	3	Max Min	20 17	.02 .01	4.8 4.2	2.0 1.7	3.5 2.7	1.3 .7	29 25	2.8 1.6	3.1 1.5	.1 .1	.4 .00	50 45	20 18	0 0	61 52	7.1 6.6	7 5	
548	Second Broad River near Bostic, N.C..	7	Max Min	..... .....	..... .....	3.8 3.2	1.5 1.0	..... .....	..... .....	54 6	12 5.0	35 9.8	..... .....	4.7 3.3	..... .....	19 14	0 0	204 108	7.2 6.3	..... .....
551	First Broad River near Caesar, N.C.....	22	Max Min	16 12	.15 .00	3.4 1.6	1.8 .3	2.8 1.7	1.3 .7	22 13	3.2 1.5	2.6 .4	.2 .0	5.4 .00	10 27	15 4	0 0	42 28	7.2 6.2	35 5	
552	Knob Creek near Lawndale, N.C.....	3	Max Min	12 11	.12 .00	2.8 2.2	.8 .4	2.2 1.9	1.7 1.3	16 14	1.8 1.4	2.6 2.0	.3 .0	1.0 .5	.00 29	9 8	0 0	34 32	6.9 6.4	17 5	
554	Brushy Creek at U.S. Highway 74 near Shelby, N.C.	3	Max Min	11 10	.05 .00	4.0 2.7	1.2 .8	3.0 2.2	2.1 1.1	17 15	2.4 1.0	3.6 3.0	.3 .1	1.5 .6	.22 .02	35 32	13 12	0 0	44 42	6.5 6.1	5 0
555	Buffalo Creek near Waco, N.C.....	5	Max Min	..... .....	..... .....	3.6 3.6	1.2 .6	..... .....	..... .....	24 19	2.0 1.0	3.5 1.5	..........	.8 .....	..... .....	17 11	0 0	50 43	7.0 6.5	..... .....
556	Muddy Fork near Oak Grove, N.C.....	3	Max Min	17 15	.04 .01	3.9 2.9	1.2 1.0	4.4 3.3	2.0 1.0	23 19	3.6 2.4	3.0 2.0	.2 .1	.3 .2	.01 .00	45 39	14 12	0 0	55 47	6.8 6.5	10 5
557	Long Branch at Mouth near Grover, N.C.	3	Max Min	17 15	.04 .02	1.8 1.2	.3 .2	4.0 3.6	1.8 1.5	14 11	1.8 .6	3.2 2.5	.1 .0	.6 .3	.04 .00	37 31	6 4	0 0	34 32	6.5 6.2	10 5
558	North Pacolet River near Tryon, N.C..	7	Max Min	..... .....	..... .....	4.0 3.2	2.2 .7	..... .....	..... .....	14	8.0 3.0	7.0 2.2	..... .....	1.4 1.0	..... .....	18 11	0 0	435 64	10.6 7.2	..... .....
559	SAVANNAH RIVER BASIN Horsepasture River near Sapphire, N.C.	8	Max Min	6.3 4.9	.06 .01	2.1 .6	.6 .1	1.6 .4	.7 .1	7 3	1.6 .6	2.5 .4	.2 .0	.5 .1	16 10	8 2	4 0	17 10	6.7 5.7	20 5	
560	KANAWHA RIVER BASIN Middle Fork South Fork New River near Blowing Rock, N.C.	5	Max Min	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	15 9	2.0 1.0	2.8 1.0	..... .....	..... .....	..... .....	11 8	4 0	36 27	6.7 6.3	..... .....
561	Howard Creek at Sands, N.C.....	4	Max Min	15 11	.03 .02	3.6 3.3	1.9 1.1	3.9 1.5	.6 .4	24 17	1.5 .2	1.9 1.0	.0 .6	1.2 .6	35 28	17 13	0 0	46 35	6.6 6.1	..... .....
562	Beaver Creek near Othello, N.C.....	2	Max Min	13 12	.02 .02	4.2 2.6	1.6 1.6	2.3 1.6	.7 .6	21 18	1.0 .6	1.7 1.0	.1 .0	.8 .8	.02 .01	35 31	20 13	2 0	37 35	6.6 6.5	4 2

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

No. on Pl. 1	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (Microhmios at 25°C)	pH	Color
																	Calcium, magnesium	Non-carbonate			
564	KANAWHA RIVER BASIN--Continued North Fork New River at Creston, N.C.	3	Max Min	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	24 16	3.0 1.0	2.0 .8	..... .....	..... .....	..... .....	..... .....	17 14	0 0	48 40	7.0 6.4	..........
565	Big Laurel Creek at Fig, N.C.....	2	Max Min	11 10	0.03 .02	3.8 2.4	0.5 .3	2.0 1.5	0.9 .9	18 12	1.8 1.6	1.1 .6	0.0 .3	0.00 .3	..... .....	30 24	10 8	0 0	34 27	6.6 6.3	6 5
566	Buffalo Creek at Warrensville, N.C....	2	Max Min	15 13	.01 .01	5.6 4.6	2.0 1.7	2.8 1.9	.9 .8	30 22	4.0 2.8	2.5 2.5	.0 .7	.8 .....	..... .....	47 36	22 15	0 0	58 50	7.0 6.5	5 0
567	Horse Creek at Bina, N.C.....	2	Max Min	12 11	.04 .01	4.3 4.2	1.1 1.0	2.6 2.6	1.4 1.2	24 20	.2 .1	2.5 2.5	.1 .1	..... .....	..... .....	36 35	15 15	0 0	48 46	7.3 6.6	..........
568	Helton Creek near Helton, N.C.....	2	Max Min	12 11	.02 .01	4.6 3.0	1.0 .9	2.2 1.5	1.0 .8	22 16	1.8 1.6	1.2 1.0	.1 .0	.5 .4	.00 .00	35 29	15 12	0 0	44 36	6.7 6.5	5 5
569	North Fork New River at Crumpler, N.C.	11	Max Min	15 6.4	.06 .00	4.4 3.0	2.0 .4	3.3 1.7	2.5 .7	25 8	5.9 .6	3.0 .4	.2 .0	.4 .0	.00 .00	38 27	19 10	5 5	50 32	7.0 6.2	12 3
570	Elk Creek near Stratford, N.C.....	2	Max Min	11 11	.02 .01	2.4 2.1	.8 .5	2.3 1.5	.9 .6	13 13	.8 .4	.5 .5	.1 .0	.3 .0	.1 .00	23 23	8 8	0 0	27 26	6.6 6.4	5 2
571	Little River near Sparta, N.C.....	5	Max Min	8.2 .....	..... .....	1.7	0.5	3.0 1.3	0.8 .4	12 9	1.0 .3	2.4 1.0	......7	..... .....	..... .....	23	10 4	1 0	31 22	7.2 6.4	..........
572	Brush Creek near Blevins Crossroads, N.C.	3	Max Min	6.3 5.2	.05 .02	1.4 .9	.5 .1	1.5 .7	.6 .3	8 6	.4	1.3 1.0	.1 .0	.4 .2	.01 .00	14	6 4	0 0	16 15	6.7 6.2	10 7
573	Crab Creek near Blevins Crossroads, N.C.	3	Max Min	9.8 8.1	.07 .02	2.6 2.2	.6 .2	1.9 1.0	1.0 .8	13 10	1.6 1.0	2.0 .5	.1 .1	.3 .1	.01 .00	22 20	9 6	0 0	26 23	6.4 6.1	10 9
575	TENNESSEE RIVER BASIN French Broad River at Calvert, N.C....	3	Max Min	7.9 7.6	.05 .00	1.8 .8	.9 .2	1.5 1.4	.8 .4	8 6	4.2 1.2	1.8 1.0	.0 .0	.5 .3	..... .....	22 18	8 3	2 0	20 12	7.0 6.1	26 3
577	Davidson River near Brevard, N.C.....	27	Max Min	8.5 4.1	.04 .00	3.2 .6	.9 .1	1.5 .5	.7 .1	13 4	3.8 .1	1.9 .1	.2 .0	.9 .0	.10 .00	19 10	9 3	2 0	23 11	6.9 5.6	25 0

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B151

578	Little River above High Falls near Cedar Mountain, N.C.	7	Max 8.3 Min 4.4	.19 .00	2.9 1.0	.6 .2	2.0 .8	.9 .1	11 5	2.6 .4	3.8 .0	.2 .0	.9 .0	.01 .00	23 14	8 4	3 0	23 15	6.9 5.8	40 4
582	Boylston Creek near Horseshoe, N.C.	3	Max 8.1 Min 7.8	.12 .02	2.2 1.6	1.8 .6	2.0 1.1	.6 .6	14 10	4.6 .6	1.5 .8	.1 .0	.7 .4	.00 .00	17 7	13 7	1 0	32 24	6.6 6.2	7 6
583	South Fork Mills River at The Pink Beds, N.C.	4	Max 7.4 Min 3.9	.05 .01	1.3 1.1	.5 .1	1.4 .7	.6 .4	8 2	1.6 .8	1.8 .6	.1 .0	.4 .2	.02 .00	17 11	5 4	2 0	18 10	6.5 5.8	30 13
585	Clear Creek near Hendersonville, N.C.	3	Max 16 Min 12	.11 .03	3.2 2.2	.6 .3	3.2 3.0	1.8 1.0	16 12	2.6 1.4	2.0 1.5	.1 .0	1.0 .0	.00 .00	34 30	9 8	0 0	37 35	6.7 6.5	16 5
587	Cane Creek near Fairview, N.C.	2	Max 13 Min 12	.03 .02	2.6 2.6	.5 .5	4.0 1.9	1.5 .8	14 14	1.4 .3	2.9 .0	.1 .4	.2 .2	.00 .00	28 0	8 0	0 0	27 26	7.2 6.8	10 10
591	Hominy Creek at Candler, N.C.	27	Max 16 Min 9.4	.10 .00	4.2 2.2	1.7 .8	3.5 1.7	2.0 .8	21 12	5.1 1.2	2.9 .5	.2 .0	1.7 .0	.04 .00	41 30	14 10	3 0	54 36	7.5 6.0	15 3
592	Swananoo River at Grovestone at Swanano, N.C.	2	Max 8.7 Min 8.4	.04 .04	.00 .00	.00 .00	.00 .00	.00 .00	7 11	1.7 .5	4.1 .0	.0 .4	.6 .6	.00 .00	.00 .00	.00 .00	10 7	31 24	6.3 6.2	.00 .00
593	North Fork Swanano River near Black Mountain, N.C.	7	Max 8.4 Min 4.9	.01 .00	2.0 1.2	1.0 .2	1.7 .7	.8 .2	10 5	3.9 .3	2.0 .2	.1 .0	1.6 .0	.00 .00	26 12	9 4	1 0	32 14	6.6 5.7	8 0
594	Swanano River at Swanano, N.C.	2	Max 9.7 Min 10	.06 .04	4.9 2.6	1.8 .8	6.7 3.0	1.2 .4	35 17	1.2 .2	3.0 2.4	.0 .0	.7 .6	.00 .00	.00 .00	.00 .00	19 11	65 35	7.0 6.5	.00 .00
595	Beetree Creek near Swanano, N.C.	24	Max 10 Min 6.3	.04 .00	2.6 1.1	1.4 .1	2.0 .7	1.1 .5	10 5	4.8 .3	3.2 .2	.2 .0	.9 .0	.04 .00	23 14	10 4	6 0	23 16	7.0 6.0	11 0
598	Sandymush Creek near Alexander, N.C.	3	Max 17 Min 12	.04 .00	5.9 4.6	2.4 1.5	5.9 3.4	2.4 2.0	38 25	5.3 2.6	2.5 .4	.1 .1	1.3 .0	.00 .00	.00 .00	.00 .00	25 18	71 60	7.3 6.8	14 5
603	West Fork Pigeon River above Lake Logan near Hazelwood, N.C.	25	Max 7.0 Min 3.6	.04 .00	1.8 .6	.7 .1	1.9 .3	1.1 .2	8 4	3.0 1.1	1.6 .0	.1 .0	2.1 .0	.03 .00	21 10	6 2	3 0	22 10	6.9 5.7	20 1
604	West Fork Pigeon River below Lake Logan near Waynesville, N.C.	24	Max 7.3 Min 4.4	.07 .00	5.1 .7	1.0 .1	1.3 .4	1.1 .3	9 3	2.8 .2	8.4 .1	.1 .0	2.0 .0	.15 .00	26 11	17 2	11 0	45 12	6.9 5.4	30 0
605	East Fork Pigeon River near Canton, N.C.	24	Max 9.9 Min 4.7	.05 .00	1.9 .8	.8 .1	1.5 .6	.8 .3	11 5	2.3 .1	1.9 .0	.1 .0	1.0 .0	.10 .00	19 11	7 4	0 0	23 14	7.1 5.8	15 0
607	Allen Creek near Hazelwood, N.C.	25	Max 11 Min 4.8	.04 .00	1.8 .8	.9 .1	2.7 .7	.7 .2	11 5	2.1 .0	1.9 .1	.1 .0	.8 .0	.00 .00	.00 .00	.00 .00	8 3	30 11	7.0 6.0	13 2
608	Jonathan Creek near Cove Creek, N.C.	26	Max 12 Min 7.2	.05 .00	4.1 1.3	1.3 .2	3.3 1.4	.0 .5	16 8	4.3 .2	3.0 .3	.2 .0	4.2 .0	.10 .00	34 21	13 5	2 0	41 22	7.5 6.1	20 1
613	South Toe River near Celso, N.C.	20	Max 8.1 Min 4.1	.08 .00	1.6 .7	.6 .2	1.7 .4	.7 .2	10 4	1.6 .2	1.5 .1	.3 .0	.9 .0	.12 .00	18 10	6 3	2 0	18 11	7.0 5.9	15 2

Table 4.--Summary of chemical analyses of water from miscellaneous and occasional sampling stations at which two or more samples were collected--Continued

Map No.	Station name	No. of samples	Extremes	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃	Specific conductance (Mhos at 25°C)	pH	Color
																	Calcium, magnesium	Non-carbonate		
	TENNESSEE RIVER BASIN--Continued																			
618	Elk River near Elk Park, N.C.....	4	Max 13 Min 11	0.08 .01	3.1 2.5	1.3 .5	2.8 1.9	1.1 .7	18 10	3.0 .8	2.8 1.0	0.2 .0	1.0 .7	0.03	35 26	13 9	1 0	44 32	7.2 6.6	10 5
620	Cartoogechaye Creek near Franklin, N.C.	12	Max 12 Min 9.3	.08 .00	2.6 1.3	1.8 .6	2.0 1.0	.8 .5	17 13	2.2 .4	1.6 .2	1.1 .0	1.1 .0	.04 .00	28 22	12 8	0 0	31 23	7.3 6.2	20 0
621	Cullasaja River at Highlands, N.C.....	23	Max 7.8 Min 3.4	.16 .00	1.4 .6	.7 .1	1.4 .5	.5 .1	9 0	9.6 .0	1.6 .1	.2 .0	2.1 .1	.02 .00	17 10	6 2	4 0	46 11	6.6 4.2	42 1
623	Little Tennessee River at Needmore, N.C.	27	Max 11 Min 7.0	.12 .00	2.6 1.2	1.2 .1	2.2 1.0	1.4 .4	18 7	2.1 .1	2.7 .2	1.3 .0	1.2 .0	.00 .00	27 17	10 5	2 0	28 17	7.5 5.9	30 0
624	Nantahala River near Rainbow Springs, N.C.	24	Max 9.5 Min 5.1	.04 .00	2.9 .9	.8 .1	1.2 .4	.7 .2	11 3	3.0 .0	2.0 .1	.2 .0	.7 .0	.03 .00	21 11	8 4	0 0	19 11	7.0 5.9	30 2
625	Nantahala River at Nantahala, N.C.....	25	Max 7.6 Min 5.3	.05 .00	2.2 .6	1.2 .1	1.1 .4	.8 .2	12 6	1.9 .1	1.3 .1	.2 .0	.7 .0	.10 .00	19 13	8 2	2 0	22 13	7.0 5.8	11 0
626	Tuckasegee River at Tuckasegee, N.C..	25	Max 8.9 Min 5.2	.11 .00	2.4 .6	.9 .0	1.8 .5	.9 .2	11 5	4.0 .1	2.6 .1	.2 .0	.8 .0	.10 .00	24 13	8 3	0 0	35 12	6.8 5.8	21 1
627	Scott Creek above Sylva, N.C.....	23	Max 13 Min 8.9	.29 .00	3.0 1.4	1.4 .2	2.3 .7	1.0 .4	16 9	3.0 .3	2.3 .2	.1 .0	.9 .0	.10 .00	31 21	12 5	0 0	34 21	7.2 6.2	20 1
634	Noland Creek near Bryson City, N.C...	23	Max 7.4 Min 4.3	.02 .00	1.9 .4	.6 .1	1.7 .3	.8 .1	7 4	2.4 .1	3.0 .0	.1 .0	.7 .0	.04 .00	24 10	6 2	2 0	14 8.9	6.8 5.7	10 0

Table 5.--Description of sites at which only

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		DISMAL SWAMP BASIN		
638	2-0435.5	Folly Swamp near Sunbury, N.C.....	8- 6-57	3.43
		PASQUOTANK RIVER BASIN		
639	2-0438.12	Newland Canal at Lynchs Corner, N.C....	8-16-61	(a)
640	2-0438.14	Newland Canal near Lynchs Corner, N.C..	8-16-61	(a)
641	2-0438.28	Pasquotank River near South Mills, N.C.	8- 8-57	64.5
642	2-0438.56	Sawyers Creek at Hastings Corner, N.C..	8-16-61	b5.0
		CHOWAN RIVER BASIN		
643	2-0530.54	Cypress Creek at Margaretsville, N.C...	8-16-61	b30
644	2-0530.76	Meherrin River tributary near Como, N.C.	8-16-61	b.7
645	2-0530.81	Rogers Swamp near Galatia, N.C.....	8-16-61	b12
646	2-0530.89	Kirbys Creek near Murfreesboro, N.C....	8-16-61	b75
647	2-0530.98	Liverman Creek near Como, N.C.....	8-16-61	b10
648	2-0531.08	Ramsey Creek near Jackson, N.C.....	7-22-57	b10
649	2-0531.73	Cutawhiskie Creek near St. John, N.C...	8- 3-57	b37
650	2-0532.08	Potecasi Creek near Mapleton, N.C.....	8-16-61	b200
651	2-0535.38	Horse Swamp near Halls, N.C.....	8-16-61	b5.2
652	2-0535.5	Chinkapin Creek near Colerain, N.C.....	7-23-57	b8.9
653	2-0535.6	Chinkapin Creek near Trap, N.C.....	8-16-61	b31
654	2-0536.42	Rockyhock Creek near Rockyhock, N.C....	8-16-61	b12

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B155

one sample was collected for chemical analysis

Discharge (cfs)	Location
<0.1	Lat 36°29'20", long 76°34'30", at culvert on State Highway 32, 1.5 miles above Dismal Swamp, and 4.0 miles north of Sunbury, Gates County.
3.1	Lat 36°25'20", long 76°25'20", at bridge on Secondary Road 1356, at Lynchs Corner, Pasquotank County, and 4 miles above mouth.
3.1	Lat 36°25'10", long 76°24'00", at bridge on Secondary Road 1363, 1½ miles east of Lynchs Corner, Pasquotank County, and 2½ miles above mouth.
35	Lat 36°25'20", long 76°20'50", at bridge on U.S. Highway 17, 1 mile below Newland Canal, and 2 miles southwest of South Mills, Camden County.
<.1	Lat 36°21'30", long 76°10'40", at bridge on Secondary Road 1203, 0.8 mile southwest of Hastings Corner, Camden County, and 3.5 miles above mouth.
2.5	Lat 36°32'00", long 77°20'30", at bridge at Margaretsville, Northampton County, and ½ mile above Seaboard Air Line Railroad bridge.
<.1	Lat 36°31'20", long 77°04'30", at bridge on Secondary Road 1311, 1.1 miles above mouth, and 4.1 miles northwest of Como, Hertford County.
<.1	Lat 36°30', long 77°16', at bridge on Secondary Road 1344, 1.7 miles above mouth, and 3.0 miles northeast of Galatia, Northampton County.
2.0	Lat 36°28', long 77°09', at bridge on Secondary Road 1362, 2.0 miles below Reedy Branch, and 3½ miles northwest of Murfreesboro, Hertford County.
<.1	Lat 36°28'10", long 76°59'50", at bridge on Secondary Road 1308, 2.3 miles southeast of Como, Hertford County, and 2.7 miles above mouth.
.2	Lat 36°24', long 77°24', at bridge on U.S. Highway 158, 1.1 miles east of Jackson, Northampton County, and 3.1 miles above mouth.
.....	Lat 36°20', long 77°05', at bridge on Secondary Road 1141, 1½ miles below Chapel Branch, and 1½ miles north of St. John, Hertford County.
.....	Lat 36°24', long 77°00', at bridge on U.S. Highway 158, 2 miles below Bells Branch, and 2½ miles southeast of Mapleton, Hertford County.
.6	Lat 36°18'09", long 76°57'32", at bridge on Secondary Road 1403, 1½ miles south of Halls, Hertford County, and 1½ miles above mouth.
0	Lat 36°12', long 76°47', at culvert on State Highway 350, 0.8 mile above Peele Branch, and 1.0 mile west of Colerain, Bertie County.
.2	Lat 36°14', long 76°50', at bridge on Secondary Road 1002, ½ mile below Cypress Swamp, and 2½ miles northeast of Trap, Bertie County.
.1	Lat 36°10'40", long 76°40'10", at bridge on Secondary Road 1223, 1.2 miles northeast of Rockyhock, Chowan County, and 5.9 miles above mouth.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		CHOWAN RIVER BASIN--Continued		
655	2-0536.62	Eastmost Swamp near Edenhous, N.C.....	8-16-61	b13
656	2-0536.72	Cricket Swamp near Edenhous, N.C.....	8-16-61	b12
		ROANOKE RIVER BASIN		
657	2-0686.38	Dan River at Danbury, N.C.....	3-10-54	b270
658	2-0690.34	East Belews Creek near Grims Cross- roads, N.C.	9-24-59	b4.6
659	2-0705.28	Pawpaw Creek near Stoneville, N.C.....	9-24-59	b7.6
660	2-0705.68	Mayo River at U.S. Highway 220 near Stoneville, N.C.	3-10-54	b300
661	2-0705.98	Mayo River at Mayodan, N.C.....	3-11-54	b310
662	2-0710.03	Rockhouse Creek near Wentworth, N.C....	9-24-59	b19
663	2-0710.33	Buffalo Creek above Leaksville, N.C....	9-25-59	b7.2
664	2-0711.13	Buffalo Creek near Stoneville, N.C.....	9-25-59	b21
665	2-0714.56	Matrimony Creek at Leaksville, N.C.....	9-25-59	b25
666	2-0741.68	Cascade Creek near Draper, N.C.....	5-20-58	b27
667	2-0741.88	Mountain Run near Draper, N.C.....	5-20-58	b7.3
668	2-0742.18	Dan River near Mayfield, N.C.....	6-20-68	1,780
669	2-0750.82	Hogans Creek near Pelham, N.C.....	7-20-66	b77
670	2-0751.13	Moon Creek near Park Spring, N.C.....	7-19-66	b9.1
671	2-0751.24	East Prong Moon Creek near Yanceyville, N.C.	7-19-66	b6.1
672	2-0751.83	North Fork Rattlesnake Creek near Purley, N.C.	7-19-66	b4.4
673	2-0751.87	South Fork Rattlesnake Creek near Hamer, N.C.	7-19-66	b8.0
674	2-0752.09	Hostler Branch at Locust Hill, N.C.....	7-19-66	b7.7
675	2-0752.3	South Country Line Creek near High- towers, N.C.	9-24-59	b7.1

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B157

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
0.1	Lat 36°04', long 76°46', at culvert on Secondary Road 1361, $\frac{3}{4}$ mile above mouth, and 3½ miles northwest of Edenhouse, Bertie County.
.1	Lat 36°04', long 76°47', at bridge on State Highway 45, 1½ miles above mouth, and 4½ miles northwest of Edenhouse, Bertie County.
290	Lat 36°25', long 80°12', at bridge on Secondary Road 1652, at Danbury, Stokes County, and 1½ miles above Shoals Creek.
2.5	Lat 36°12'20", long 80°03'20", at bridge on Secondary Road 1970, 2½ miles southeast of Grims Crossroads, Forsyth County, and 3½ miles above mouth.
2.1	Lat 36°30'20", long 79°57'50", at bridge on Secondary Road 1360, ½ mile above mouth, and 4 miles northwest of Stoneville, Rockingham County.
.....	Lat 36°26', long 79°56', at bridge on U.S. Highway 220 and 2½ miles southwest of Stoneville, Rockingham County.
206	Lat 36°24', long 79°58', at bridge on Secondary Road 2138, ½ mile southeast of Mayodan, Rockingham County, and $\frac{3}{4}$ mile below Mayodan dam.
5.0	Lat 36°24', long 79°48', at bridge on State Highway 65, 1½ miles west of Wentworth, Rockingham County, and 2½ miles above mouth.
2.1	Lat 36°29', long 79°51', at bridge on Secondary Road 1516, 4½ miles above mouth and 5 miles west of Leaksville, Rockingham County.
4.9	Lat 36°28', long 79°48', at bridge on Secondary Road 2138, 1 mile above mouth and 5½ miles east of Stoneville, Rockingham County.
7.2	Lat 36°29', long 79°47', at bridge on State Highway 770 at Leaksville, Rockingham County, and 1 mile above mouth.
25	Lat 36°32'00", long 79°39'00", above Mountain Run and 3.0 miles northeast of Draper, Rockingham County.
6.5	Lat 36°32'00", long 79°38'50", at bridge on private road, 0.1 mile above mouth and 3.0 miles northeast of Draper, Rockingham County.
.....	Lat 36°32'30", long 79°36'20", at bridge on Secondary Road 1761, at State line, 2½ miles above Whiteoak Creek, and 3 miles northwest of Mayfield, Rockingham County.
3.6	Lat 36°28', long 79°28', at bridge on Secondary Road 1341, 3 miles south of Pelham, Caswell County, and 11 miles above mouth.
.1	Lat 36°26', long 79°27', at bridge on Secondary Road 1307, $2\frac{3}{4}$ miles southwest of Park Spring, Caswell County, and 4 miles above East Prong Moon Creek.
.2	Lat 36°25', long 79°25', at bridge on Secondary Road 1310, 4 miles above mouth and 4 miles west of Yanceyville, Caswell County.
.2	Lat 36°28', long 79°20', at bridge on Secondary Road 1521, 2½ miles above mouth, and 2½ miles southeast of Purley, Caswell County.
.2	Lat 36°28', long 79°18', at bridge on Secondary Road 1572, 1½ miles above mouth, and 1½ miles west of Hamer, Caswell County.
.5	Lat 36°22', long 79°26', at culvert on State Highway 150, $\frac{3}{4}$ mile above mouth, and $\frac{5}{8}$ mile southwest of Locust Hill, Caswell County.
.2	Lat 36°19', long 79°18', at bridge on Secondary Road 1759, $1\frac{3}{4}$ miles above Penson Creek and 3½ miles west of Hightowers, Caswell County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
ROANOKE RIVER BASIN--Continued				
676	2-0752.5	Penson Creek near Yanceyville, N.C.....	7-19-66	b13
677	2-0752.68	Country Line Creek near Hamer, N.C.....	7-19-66	b100
678	2-0771.82	North Hyco Creek near Hightowers, N.C..	9-24-59	b15
679	2-0771.92	Panther Creek near Frogsboro, N.C.....	7-19-66	b5.6
680	2-0772.25	North Hyco Creek near Roxboro, N.C.....	3-23-65	b78
681	2-0772.28	Sugar Tree Creek near Ridgeville, N.C..	7-19-66	b19
682	2-0772.54	Richland Creek near Roseville, N.C.....	7-20-66	b6.2
683	2-0772.56	Richland Creek near Longs Store, N.C...	9-25-59	b8.2
684	2-0772.61	Sargents Creek near Ceffo, N.C.....	7-19-66	b1.8
685	2-0773.17	Satterfield Creek near Roxboro, N.C....	7-20-66	b2.6
686	2-0776.29	Mayo Creek tributary near Allensville, N.C.	7-20-66	.68
687	2-0776.32	Mayo Creek near Gentrys Store, N.C.....	7-19-66	16.6
688	2-0792.37	Little Island Creek near Tungsten, N.C.	7-27-66	b20
689	2-0792.39	Little Island Creek at mouth near Tungsten, N.C.	7-27-66	b22
690	2-0796.93	Smith Creek near Oine, N.C.....	7-26-66	b12
691	2-0797.17	Smith Creek near Paschall, N.C.....	9-13-61	b53
692	2-0797.31	Hawtree Creek near Oakville, N.C.....	7-26-66	b16
693	2-0797.34	Hawtree Creek near Paschall, N.C.....	9-13-61	b27
694	2-0797.49	Six Pound Creek near Church Hill, N.C..	7-26-66	b9.2
695	2-0797.99	Stonehouse Creek near Vaughan, N.C.....	7-26-66	b13

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B159

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
<0.1	Lat 36°21', long 79°18', at bridge on Secondary Road 1750, 1/4 mile above mouth and 4½ miles southeast of Yanceyville, Caswell County.
3.3	Lat 36°27', long 79°15', at bridge on Secondary Road 1597, 1½ miles east of Hamer, Caswell County, and 7¾ miles below South Country Line Creek.
.6	Lat 36°19', long 79°14', at bridge on State Highway 86, 1/2 mile above Lynch Creek and 1 mile southeast of Hightowers, Caswell County.
.1	Lat 36°20', long 79°12', at bridge on Secondary Road 1723, ½ mile above mouth, and 1¼ miles southwest of Frogsboro, Caswell County.
.....	Lat 36°28', long 79°07', at bridge on State Highway 57, 1 mile above South Hyco Creek and 9 miles northwest of Roxboro, Person County.
.3	Lat 36°19', long 79°09', at end of Secondary Road 1716, 1¼ miles northeast of Ridgeville, Caswell County, and 3¾ miles above mouth.
.2	Lat 36°24', long 79°05', at bridge on Secondary Road 1305, 2½ miles above mouth and 3½ miles northwest of Roseville, Person County.
.3	Lat 36°25', long 79°06', at bridge on Secondary Road 1343, ½ mile above mouth and 1½ miles west of Longs Store, Person County.
.1	Lat 36°27', long 79°04', at bridge on Secondary Road 1340, ¾ mile southwest of Ceppo, Person County, and 3½ miles above mouth.
<.1	Lat 36°24', long 79°02', at bridge on State Highway 57, 1 mile above Water Works Lake and 2¾ miles west of Roxboro, Person County.
<.1	Lat 36°23'55", long 78°54'05", at bridge on Secondary Road 1520, 0.8 mile above mouth, and 1.0 mile northwest of Allensville, Person County.
<.1	Lat 36°26'21", long 78°52'40", at bridge on Secondary Road 1556, 1½ miles above Donaldson Creek and 2¾ miles southeast of Gentrys Store, Person County.
<.1	Lat 36°30'49", long 78°27'27", at bridge on Secondary Road 1348, 0.7 mile east of Tungsten, Vance County, and 1.7 miles above mouth.
0	Lat 36°31'55", long 78°27'37", at mouth and 1.4 miles northeast of Tungsten, Vance County.
.2	Lat 36°29', long 78°16', at bridge on Secondary Road 1217, 1½ miles west of Oine, Warren County, and 2¾ miles above Little Deep Creek.
13	Lat 36°32'27", long 78°11'43", at bridge on U.S. Highway 1, 0.3 mile below Blue Mud Creek and 2.1 miles west of Paschall, Warren County.
.2	Lat 36°30', long 78°08', at bridge on Secondary Road 1306, below Mill Creek, and 1¾ miles west of Oakville, Warren County.
6.0	Lat 36°32'32", long 78°07'46", at bridge on Secondary Road 1307, 1½ miles east of Paschall, Warren County, and 3-1/4 miles below Mill Creek.
1.3	Lat 36°31', long 78°05', at bridge on Secondary Road 1306, 2½ miles northwest of Church Hill, Warren County, 3-1/4 miles above mouth.
.6	Lat 36°29', long 77°58', at bridge on Secondary Road 1352, 4¾ miles above mouth, and 4-1/4 miles northeast of Vaughan, Warren County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		ROANOKE RIVER BASIN--Continued		
696	2-0800.53	Deep Creek near Thelma, N.C.....	9-13-61	b21
697	2-0801.66	Lukes Creek at Gaston, N.C.....	8- 5-57	b4.7
698	2-0805.6	Chockoyotte Creek near Weldon, N.C.....	9-13-61	b20
699	2-0806	Roanoke River at Weldon, N.C.....	2- 1-56	8,450
700	2-0807.07	Quankey Creek at Pierces Crossroads, N.C.	9-13-61	b18
701	2-0807.42	Quankey Creek at Halifax, N.C.....	9-13-61	b33
702	2-0811.04	Connaritsa Swamp near Connaritsa, N.C..	8- 6-57	b17
703	2-0811.43	Roanoke River at mouth near Plymouth, N.C.	6-24-60	b9,700
		PAMLICO RIVER BASIN		
704	2-0812.02	Tar River near Culbreth, N.C.....	7-26-66	54.2
705	2-0812.53	Tar River near Providence, N.C.....	7-26-66	104
706	2-0812.68	Tar River near Oxford, N.C.....	1-21-54	108
707	2-0812.97	Tar River tributary No. 4 at Culbreth, N.C.	7-26-66	3.40
708	2-0815.06	Fishing Creek tributary above south- side sewage effluent outfall at Oxford, N.C.	7-26-66	3.09
709	2-0815.39	Coon Creek near Oxford, N.C.....	7-26-66	25.3
710	2-0815.82	Fork Creek near Wilton, N.C.....	9-13-61	7.54
711	2-0815.92	Middle Creek near Franklinton, N.C.....	7-27-66	b8.8
712	2-0816.04	McGees Creek near Franklinton, N.C.....	7-26-66	1.69
713	2-0816.8	Ruin Creek near Kittrell, N.C.....	7-26-66	b27
714	2-0817.3	Tar River near Henderson, N.C.....	7-26-66	b330
715	2-0817.32	Billys Creek near Franklinton, N.C.....	7-27-66	b6.5

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B161

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
1.9	Lat 36°27', long 77°46', at bridge on U.S. Highway 158, 2 miles south of Thelma, Halifax County, and 3½ miles above mouth.
<.1	Lat 36°30', long 77°39', at bridge on State Highway 46, ½ mile above mouth and ¾ mile west of Gaston, Northampton County.
2.5	Lat 36°25', long 77°36', at bridge on Secondary Road 1641, 1½ miles southwest of Weldon, Halifax County, and 1½ miles above mouth.
12,800	Lat 36°26', long 77°35', just below Seaboard Air Line Railroad bridge, ½ mile northeast of Weldon, Halifax County, at mile 130.0.
.2	Lat 36°22', long 77°38', at bridge on Secondary Road 1423, 1 mile southeast of Pierces Crossroads and 2¼ miles above Little Quankey Creek, Halifax County.
4.1	Lat 36°19', long 77°35', at bridge on U.S. Highway 301, at Halifax, Halifax County, and 1 mile above mouth.
7.8	Lat 36°09', long 77°04', at bridge 3-1/4 miles south of Connaritsa, Bertie County, ¾ miles above mouth.
.....	Lat 35°56'35", long 76°41'45", at mouth and 6½ miles north of Plymouth, Washington County.
.1	Lat 36°17'28", long 78°43'40", at bridge on Secondary Road 1138, 1.7 miles above Shelton Creek and 2-1/4 miles north of Culbreth, Granville County.
.2	Lat 36°16'28", long 78°41'33", at bridge on Secondary Road 1139, 1.2 miles below North Fork Tar River and 2.2 miles northwest of Providence, Granville County.
.....	Lat 36°16'10", long 78°40'35", 0.5 mile above Owen Creek, and 5.7 miles southwest of Oxford, Granville County.
<.1	Lat 36°15'28", long 78°43'40", at bridge on Secondary Road 1138, 0.4 mile south of Culbreth, Granville County, and 3½ miles above mouth.
<.1	Lat 36°17'45", long 78°35'05", above sewage treatment plant, 1 mile south of Oxford, Granville County, and 2.4 miles above mouth.
.4	Lat 36°16'05", long 78°34'05", at bridge on Secondary Road 1609, 1-1/4 miles above mouth and 3 miles south of Oxford, Granville County.
1.6	Lat 36°09'16", long 78°31'35", at bridge on Secondary Road 1625, 2 miles above mouth and 3 miles northeast of Wilton, Granville County.
1.1	Lat 36°10', long 78°29', at bridge on Secondary Road 1203, ½ mile above mouth and 5 miles north of Franklinton, Franklin County.
.1	Lat 36°09', long 78°29', at bridge on Secondary Road 1203, 1 mile above mouth, and 3½ miles northwest of Franklinton, Franklin County.
.8	Lat 36°15', long 78°29', at bridge on Secondary Road 1107, 1¾ miles above mouth and 2-1/4 miles northwest of Kittrell, Vance County.
5.9	Lat 36°10', long 78°27', at bridge on U.S. Highway 1, 1/4 mile below Tabbs Creek and 11½ miles south of Henderson, Vance County.
1.8	Lat 36°09', long 78°25', at bridge on Secondary Road 1210, ¾ mile above mouth, and 4 miles northeast of Franklinton, Franklin County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PAMLICO RIVER BASIN--Continued		
716	2-0817.33	Lynch Creek at Rocky Ford, N.C.....	7-26-66	b16
717	2-0817.36	Tooles Creek near Ingleside, N.C.....	7-26-66	b11
718	2-0817.4	Tar River at Louisburg, N.C.....	8-27-65	b430
719	2-0817.63	Sycamore Creek near Louisburg, N.C.....	7-27-66	b8.2
720	2-0817.91	Cedar Creek near Katesville, N.C.....	7-26-66	b31
721	2-0818.27	Big Branch Creek near Louisburg, N.C...	7-26-66	b4.3
722	2-0818.71	Crooked Creek near Youngsville, N.C....	7-27-66	b6.6
723	2-0818.74	Crooked Creek near New Hope, N.C.....	7-26-66	b16
724	2-0818.84	Norris Creek near Bunn, N.C.....	9-13-61	b14
725	2-0818.85	Cypress Creek near Seven Paths, N.C....	7-26-66	b24
726	2-0825.16	Maple Creek near Rocky Mount, N.C.....	9-13-61	b12
727	2-0825.6	Big Peachtree Creek near Castalia, N.C.	9-13-61	b19
728	2-0825.61	Little Peachtree Creek near Momeyer, N.C.	9-13-61	b12
729	2-0825.67	Pig Basket Creek near Corinth, N.C.....	9-13-61	b16
730	2-0825.71	Pig Basket Creek near Nashville, N.C	9-13-61	b36
731	2-0825.75	Stony Creek near Dortches, N.C.....	8-29-67	b110
732	2-0826.03	Compass Creek at State Highway 97 near Rocky Mount, N.C.	9-13-61	b9.1
733	2-0826.21	Beech Branch near Rocky Mount, N.C.....	9-13-61	10.2
734	2-0826.33	Sandy Creek at Henderson, N.C.....	7-26-66	b3.0
735	2-0826.36	Sandy Creek tributary at Henderson, N.C.	7-27-66	b0.5

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B163

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
2.0	Lat 36°12', long 78°21', at bridge on Secondary Road 1239, 1 mile northwest of Rocky Ford, Franklin County, and 2-1/4 miles above Eaves Creek.
.8	Lat 36°09', long 78°20', at bridge on Secondary Road 1235, above mouth and 3 miles southwest of Ingleside, Franklin County.
.....	Lat 36°06', long 78°18', at bridge on State Highway 39A, at Louis- burg, Franklin County, and 1/2 mile above Fox Creek.
.1	Lat 36°06', long 78°16', at bridge on State Highway 56, 1 mile above mouth, and 2 miles east of Louisburg, Franklin County.
5.9	Lat 36°04', long 78°25', at bridge on Secondary Road 1105, 1 1/2 miles below Brandy Creek and 2 1/2 miles southwest of Katesville, Franklin County.
.....	Lat 36°01', long 78°18', at bridge on State Highway 39, 1/2 mile above mouth and 5 miles south of Louisburg, Franklin County.
.6	Lat 36°00', long 78°22', at bridge on U.S. Highway 401, 6 1/2 miles east of Youngsville, Franklin County, and 9 3/4 miles above Norris Creek.
1.9	Lat 36°00', long 78°19', at bridge on Secondary Road 1707, 2 miles below Cliftons Pond and 2 1/2 miles northeast of New Hope, Franklin County.
7.7	Lat 35°56', long 78°16', at bridge on State Highway 39, 1/2 mile above mouth and 2 1/2 miles south of Bunn, Franklin County.
.7	Lat 35°59'50", long 78°12'40", at bridge on Secondary Road 1636, 1 1/2 miles west of Seven Paths, Franklin County, and 4 1/2 miles above mouth.
.2	Lat 35°56'40", long 77°50'10", at bridge on Secondary Road 1713, 1 mile above mouth and 2 1/2 miles west of Rocky Mount, Nash County.
1.6	Lat 35°02', long 78°04', at bridge on Secondary Road 1310, 0.1 mile below Beaverdam Branch and 3 1/2 miles south of Castalia, Nash County.
.8	Lat 36°00', long 78°04', at bridge on Secondary Road 1308, 1 mile above mouth and 2 3/4 miles north of Momeyer, Nash County.
<.1	Lat 36°00'16", long 77°58'56", at bridge on Secondary Road 1404, 1 1/2 miles east of Corinth, Nash County, and 5 1/2 miles above mouth.
0	Lat 36°00'11", long 77°55'26", at bridge on Secondary Road 1003, 0.6 mile below unnamed tributary and 3.0 miles northeast of Nashville, Nash County.
.....	Lat 35°59'20", long 77°51'40", at bridge on Secondary Road 1544, 1 1/2 miles south of Dortches, Nash County, and 5 miles above mouth.
<.1	Lat 35°58'30", long 77°46'10", at bridge on State Highway 97, 1/4 mile above Horn Beam Swamp and 3 miles northeast of Rocky Mount, Edgecombe County.
<.1	Lat 36°00'50", long 77°43'47", at bridge on Secondary Road 1404, 5.7 miles above mouth, and 6.3 miles northeast of Rocky Mount, Edgecombe County.
.3	Lat 36°19', long 78°23', at bridge on State Highway 39, at Henderson, Vance County, and 3/4 mile above Fox Lake Dam.
.1	Lat 36°20', long 78°23', at culvert on U.S. Highway 1 Bypass, at Henderson, Vance County, and 1 1/2 miles above Sandy Creek.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
PAMLICO RIVER BASIN--Continued				
736	2-0826.42	Sandy Creek tributary No. 3 at Henderson, N.C.	7-27-66	b1.4
737	2-0827.36	Sandy Creek near Centerville, N.C.....	7-26-66	b85
738	2-0827.49	Sandy Creek near Castalia, N.C.....	9-13-61	b120
739	2-0828.12	Swift Creek near Leggett, N.C.....	9-13-61	b270
740	2-0828.25	Fishing Creek near Manson, N.C.....	7-26-66	b8.5
741	2-0828.26	Mathews Creek near Manson, N.C.....	7-27-66	b8.2
742	2-0828.52	Possumquarter Creek at Warrenton, N.C..	7-26-66	b1.4
743	2-0828.88	Fishing Creek near Marmaduke, N.C.....	7-26-66	b90
744	2-0828.94	Fishing Creek near Old Bethlehem, N.C..	7-26-66	b120
745	2-0829.19	Little Fishing Creek near Odell, N.C...	7-26-66	b23
746	2-0829.24	Bens Creek near Littleton, N.C.....	7-26-66	b8.9
747	2-0829.28	Reedy Pond Creek near Marmaduke, N.C...	7-26-66	b14
748	2-0829.31	Little Fishing Creek near Brinkleyville, N.C.	9-16-54	b100
NEUSE RIVER BASIN				
749	2-0848.96	Eno River near Cedar Grove, N.C.....	9-15-58	b33
750	2-0848.98	McGowan Creek near Efland, N.C.....	9-13-66	b5.2
751	2-0849.11	Sevenmile Creek near Hillsborough, N.C.	9-15-58	b17
752	2-0850.16	Eno River near Schley, N.C.....	9-12-66	b98
753	2-0850.31	Stony Creek at mouth near University, N.C.	9-12-66	b10
754	2-0850.59	Crooked Creek near Durham, N.C.....	9-15-58	4.56

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B165

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
0.1	Lat 36°20', long 78°23', at culvert on Secondary Road 1518, at Henderson, Vance County, and $\frac{1}{2}$ mile above mouth.
5.2	Lat 36°10', long 78°08', at bridge on Secondary Road 1451, $1\frac{3}{4}$ miles southeast of Centerville, Franklin County, and 5 miles above Deer Branch.
31	Lat 36°08', long 78°01', at bridge on Secondary Road 1405, $\frac{3}{4}$ mile above Red Bud Swamp and $3\frac{1}{2}$ miles northeast of Castalia, Nash County.
.....	Lat 35°58', long 77°35', at bridge on Secondary Road 1253, $1\frac{1}{2}$ miles above mouth and $1\frac{1}{2}$ miles south of Leggett, Edgecombe County.
.4	Lat 36°24', long 78°16', at bridge on Secondary Road 1100, 1 mile above Mathews Creek and $1\frac{3}{4}$ miles southeast of Manson, Warren County.
.3	Lat 36°23', long 78°16', at bridge on Secondary Road 1100, 1-1/4 miles above mouth and $2\frac{1}{2}$ miles southeast of Manson, Warren County.
.2	Lat 36°24', long 78°08', 1 mile southeast of Warrenton, Warren County, and $3\frac{1}{2}$ miles above mouth.
5.3	Lat 36°18', long 78°03', at bridge on Secondary Road 1512, 1-1/4 miles above Buffalo Creek and 3 miles south of Marmaduke, Warren County.
.....	Lat 36°14', long 78°02', at bridge on Secondary Road 1640, 1 mile above Maple Branch and $2\frac{3}{4}$ miles southwest of Old Bethlehem, Warren County.
.5	Lat 36°22', long 77°59', at bridge on Secondary Road 1532, 2-1/4 miles northwest of Odell, Warren County, and $2\frac{1}{2}$ miles below Big Branch.
.2	Lat 36°23', long 77°56', at bridge on Secondary Road 1509, $\frac{1}{2}$ mile below Enon Church Branch and 3 miles southwest of Littleton, Warren County.
.8	Lat 36°21', long 78°04', at bridge on Secondary Road 1507, $\frac{3}{4}$ mile northeast of Marmaduke, Warren County, and $9\frac{1}{2}$ miles above mouth.
.....	Lat 36°17', long 77°54', at bridge on State Highway 561, 2-1/4 miles above Bear Swamp and $3\frac{1}{2}$ miles west of Brinkleyville, Halifax County.
2.5	Lat 36°06', long 79°09', at ford on Secondary Road 1306, $\frac{1}{2}$ mile above McGowan Creek and $4\frac{1}{2}$ miles southeast of Cedar Grove, Orange County.
.1	Lat 36°05', long 79°10', at bridge on Secondary Road 1324, $\frac{1}{2}$ mile north of Efland, Orange County, and $1\frac{1}{2}$ miles above mouth.
.2	Lat 36°04', long 79°08', at Hillsborough, Orange County, and 1/4 mile above mouth.
1.5	Lat 36°05', long 79°01', at ford on Secondary Road 1569, 2 miles above Stony Creek and 6 miles southeast of Schley, Orange County.
<.1	Lat 36°03', long 79°01', at mouth and 2 miles northeast of University, Orange County.
<.1	Lat 36°04'38", long 78°55'04", at bridge on Secondary Road 1448, 0.6 mile above mouth and 5.4 miles northwest of Durham, Durham County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		NEUSE RIVER BASIN--Continued		
755	2-0850.79	Eno River near Weaver, N.C.....	9-16-58	b150
756	2-0851.11	South Fork Little River near Caldwell, N.C.	9-16-58	b22
757	2-0851.24	Foster Creek near Hillsborough, N.C....	9-16-58	b9.4
758	2-0851.34	South Fork Little River near Orange Factory, N.C.	9-16-58	b40
759	2-0851.96	North Fork Little River near Schley, N.C.	9-12-66	b20
760	2-0852.01	Buffalo Creek near Rougemont, N.C.....	9-16-58	5.53
761	2-0853.27	Aldridge Creek near Hurdle Mills, N.C.	7-19-66	b8.1
762	2-0853.31	South Flat River near Hurdle Mills, N.C.	7-19-66	43.5
763	2-0853.56	North Flat River near Paynes Tavern, N.C.	7-19-66	b5.7
764	2-0853.58	North Flat River tributary 3 at Rox- boro, N.C.	7-20-66	.13
765	2-0853.59	North Flat River tributary at Roxboro, N.C.	7-20-66	b4.0
766	2-0854.13	Deep Creek near Surl, N.C.....	9-16-58	11.6
767	2-0854.3	Deep Creek near Moriah, N.C.....	9-16-58	32.1
768	2-0858.1	Muddy Branch at Bahama, N.C.....	10-17-62	.64
769	2-0865.74	Knap of Reeds Creek above Butner, N.C..	9-16-58	29.4
770	2-0870.24	Ledge Creek tributary No. 2 near Northside, N.C.	9-13-61	3.75
771	2-0870.3	Lick Creek near Durham, N.C.....	9-16-58	13.8
772	2-0870.36	Laurel Creek near Rogers Store, N.C....	9-12-66	2.68

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B167

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
4.9	Lat 36°04'19", long 78°51'47", at bridge on Secondary Road 1004, 1.3 miles above Little River and 1½ miles northeast of Weaver, Durham County.
1.8	Lat 36°09', long 79°01', at bridge on Secondary Road 1540, ½ mile above unnamed tributary and 2-1/4 miles south of Caldwell, Orange County.
.1	Lat 36°08', long 79°05', at bridge on Secondary Road 1548, 1-1/4 miles above mouth and 5½ miles northeast of Hillsborough, Orange County.
2.1	Lat 36°08'57", long 78°56'50", at bridge on Secondary Road 1461, 0.4 mile above mouth and 4.3 miles northwest of Orange Factory, Durham County.
0	Lat 36°10'50", long 78°58'31", at bridge on Secondary Road 1538, 1.8 miles above Buffalo Creek and 5.3 miles northeast of Schley, Orange County.
.1	Lat 36°11'14", long 78°57'04", at bridge on Secondary Road 1466, 1.0 mile above mouth and 2.8 miles southwest of Rougemont, Durham County.
.3	Lat 36°16', long 79°00', at bridge on Secondary Road 1120, 1/4 mile above mouth and 2½ miles east of Hurdle Mills, Person County.
.....	Lat 36°15'45", long 78°59'17", at bridge on Secondary Road 1123, 3.4 miles east of Hurdle Mills, Person County, and 4.5 miles above mouth.
<.1	Lat 36°20', long 79°01', at bridge on State Highway 157, ½ mile south of Paynes Tavern, Person County, and 5-1/4 miles above Chappels Creek.
.3	Lat 36°21'05", long 78°58'58", at culvert on U.S. Highway 501, 1½ miles above mouth and 3 miles south of Roxboro, Person County.
.3	Lat 36°21', long 79°00', at bridge on Secondary Road 1142, 1 mile above mouth, and 3½ miles southwest of Roxboro, Person County.
.1	Lat 36°19'52", long 78°53'24", at bridge on Secondary Road 1719, 0.8 mile southeast of Surl, Person County, and 4½ miles above Rock Fork Branch.
.....	Lat 36°14'24", long 78°53'20", at bridge on Secondary Road 1734, 0.7 mile above mouth and 3.6 miles southwest of Moriah, Person County.
.1	Lat 36°10'16", long 78°52'47", at culvert on Secondary Road 1615, 0.4 mile north of Bahama, Durham County, and 1.1 miles above mouth.
2.7	Lat 36°09'20", long 78°46'25", above Camp Butner, Granville County, and 0.6 mile above Picture Creek.
0	Lat 36°04'32", long 78°43'17", at bridge on Secondary Road 1901, 1.0 mile above mouth and 1.6 miles southeast of Northside, Granville County.
<.1	Lat 35°58'50", long 78°44'19", at culvert on State Highway 98, 0.2 mile below Rocky Branch and 8 miles east of Durham, Durham County.
<.1	Lat 35°59'00", long 78°43'08", at bridge on State Highway 98, 0.8 mile northwest of Rogers Store, Durham County, and 1.1 miles above mouth.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		NEUSE RIVER BASIN--Continued		
773	2-0870.48	Robertson Creek near Creedmoor, N.C....	9-15-58	12.1
774	2-0870.53	Smith Creek near Grissom, N.C.....	7-26-66	9.18
775	2-0871.81	Honeycutt Creek at Falls, N.C.....	9-16-58	8.50
776	2-0871.94	Austin Creek at Wake Forest, N.C.....	9-15-58	b4.6
777	2-0872.7	Hare Snipe Creek near Millbrook, N.C...	9- 7-66	7.22
778	2-0875.84	Swift Creek near Macedonia, N.C.....	9-17-58	b 27
779	2-0876.1	Swift Creek near McCullers, N.C.....	9- 9-54	b54
780	2-0877.31	White Oak Creek near Clayton, N.C.....	9-16-58	13.5
781	2-0878.21	Little Creek near Wilson Mills, N.C....	9-16-58	18.3
782	2-0879.46	Middle Creek near Banks, N.C.....	9-17-58	b29
783	2-0880.74	Black Creek near Macks, N.C.....	9-15-58	b61
784	2-0881.36	Mill Creek at Overshot, N.C.....	9-15-58	b48
785	2-0882.4	Hannah Creek near Blackman, N.C.....	6-20-58	b34
786	2-0882.56	Hannah Creek near Four Oaks, N.C.....	9-13-56	b56
787	2-0882.75	Mill Creek near Cox Mill, N.C.....	9-16-58	b190
788	2-0883.32	Neuse River near Stevens Mill, N.C.....	9-16-58	b2,010
789	2-0883.46	Beaverdam Creek near Rosewood, N.C.....	9-16-58	b17
790	2-0883.78	Little River near Youngsville, N.C.....	7-27-66	b3.4
791	2-0883.8	Cedar Fork near Rolesville, N.C.....	9- 7-66	b5.2

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B169

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
<0.1	Lat 36°06'10", long 78°39'33", at bridge on Secondary Road 1700, 2 miles southeast of Creedmoor, Granville County, and 2 miles above mouth.
.2	Lat 36°04'15", long 78°38'15", 2.0 miles above mouth and 2.3 miles west of Grissom, Granville County.
3.0	Lat 35°56'25", long 78°35'16", at bridge on Secondary Road 2002, 0.3 mile west of Falls, Wake County, and 0.3 mile above mouth.
1.7	Lat 35°58', long 78°29', at bridge on Secondary Road 2053, 0.2 mile above mouth and 1 $\frac{1}{4}$ miles southeast of Wake Forest, Wake County.
1.0	Lat 35°50'43", long 78°41'19", at culvert on U.S. Highway 70, 0.1 mile above mouth and 4.7 miles west of Millbrook, Wake County.
.1	Lat 35°42', long 78°43', at bridge on Secondary Road 1379, 3-1/4 miles southeast of Macedonia, Wake County, and 6 miles above Reedy Branch.
.2	Lat 35°41', long 78°39', at bridge on Secondary Road 1006, $\frac{1}{2}$ mile above Buck and Reedy Branches and 3 miles northeast of McCullers, Wake County.
5.6	Lat 35°37'04", long 78°31'42", at bridge on State Highway 42, 1.0 mile above mouth, and 4.6 miles southwest of Clayton, Johnston County.
2.8	Lat 35°34'30", long 78°26'37", at bridge on Secondary Road 1562, 1.2 miles above mouth, and 5.0 miles west of Wilson Mills, Johnston County.
3.3	Lat 35°39', long 78°45', at bridge on Secondary Road 1404, 3 miles northwest of Banks, Wake County, and 4-1/4 miles above Terrible Creek.
2.2	Lat 35°28', long 78°33', at bridge on State Highway 50, $\frac{3}{4}$ mile above Pole Branch and 1 mile north of Macks, Johnston County.
4.6	Lat 35°18'50", long 78°21'10", at bridge on Secondary Road 1136, $\frac{3}{4}$ mile northeast of Overshot, Johnston County, and 2 miles above Stone Creek.
.5	Lat 35°23'50", long 78°26'00", at bridge on Secondary Road 1162, 0.1 mile above Rock Branch and 2.1 miles north of Blackman, Johnston County.
27	Lat 35°24'10", long 78°21'50", at bridge on U.S. Highway 701, 0.8 mile below Juniper Swamp and 4.7 miles southeast of Four Oaks, Johnston County.
18	Lat 35°21', long 78°11', at bridge on Secondary Road 1200, $\frac{3}{4}$ mile above mouth and 2 $\frac{1}{2}$ miles east of Cox Mill, Johnston County.
.....	Lat 35°21', long 78°08', below bridge on Secondary Road 1224, below Thoroughfare Swamp and 1-1/4 miles north of Stevens Mill, Wayne County.
.2	Lat 35°23', long 78°06', at bridge on Secondary Road 1007, 1/4 mile above mouth and 2-1/4 miles southwest of Rosewood, Wayne County.
.4	Lat 35°59', long 78°26', above Moores Pond, 2-1/4 miles above bridge on U.S. Highway 401, and 3 $\frac{1}{4}$ miles southeast of Youngsville, Franklin County.
.2	Lat 34°55', long 78°23', at bridge on Secondary Road 2300, 1/4 mile above mouth and 3 $\frac{1}{4}$ miles east of Rolesville, Wake County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		NEUSE RIVER BASIN--Continued		
792	2-0883.83	Little River at Zebulon water supply near Zebulon, N.C.	9-17-58	b56
793	2-0884.01	Little River at Hocutts Crossroads, N.C.	9-16-58	b80
794	2-0884.27	Little River near Beulahtown, N.C.....	9-17-58	b130
795	2-0884.34	Buffalo Creek at Poole Road near Wendell, N.C.	9-17-58	b16
796	2-0884.57	Buffalo Creek near Jordan, N.C.....	9-16-58	b39
797	2-0884.65	Buffalo Creek near Bagley, N.C.....	9-17-58	b56
798	2-0885.84	Little River tributary near Pikeville, N.C.	9-16-58	b6.1
799	2-0889.49	Neuse River tributary No. 3 at Genoa, N.C.	8-12-57	b4.7
800	2-0890.91	Sleepy Creek near Dudley, N.C.....	8-12-57	9.66
801	2-0892.28	West Bear Creek at New Hope, N.C.....	8-13-57	13.2
802	2-0892.63	Bear Creek near Mayo Store, N.C.....	8-12-57	60.0
803	2-0901.44	Moccasin Creek near Connor, N.C.....	9-16-58	b53
804	2-0902.14	Turkey Creek near Bailey, N.C.....	9-17-58	b52
805	2-0903.6	Turkey Creek near Connor, N.C.....	9-16-58	b74
806	2-0904.12	Marsh Swamp at Rock Ridge, N.C.....	9-16-58	b9.6
807	2-0904.72	Bloomery Swamp near Wilson, N.C.....	9-16-58	b24
808	2-0905.9	Great Swamp near Black Creek, N.C.....	9-15-58	b39
809	2-0906.2	Aycock Swamp near Stantonsburg, N.C....	9-15-58	b11
810	2-0906.34	Contentnea Creek near Stantonsburg, N.C.	9-15-58	b390
811	2-0906.74	Beaverdam Creek near Bailey, N.C.....	9-17-58	b1.7

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B171

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
.....	Lat 35°49', long 78°21', at bridge on U.S. Bypass 64, $\frac{1}{2}$ mile below Fall Branch and 2 miles west of Zebulon, Wake County.
37	Lat 35°44', long 78°17', at bridge on State Highway 231, 1 mile east of Hocutts Crossroads, Johnston County, and 5 miles above Cat Tail Creek.
22	Lat 35°36'00", long 78°11'50", at bridge on Secondary Road 2129, 0.6 mile above Buffalo Creek and 1.5 miles northwest of Beulahtown, Johnston County.
1.1	Lat 35°46', long 78°23', at bridge on Secondary Road 1007, 1 mile below Norfolk Southern Railway and 1 mile southwest of Wendell, Wake County.
3.8	Lat 35°40', long 78°20', at bridge on Secondary Road 1735, 2 miles west of Jordan, Johnston County, and 10-1/4 miles above mouth.
5.0	Lat 35°35', long 78°13', at bridge on Secondary Road 2130, 1 mile above mouth and 2½ miles northwest of Bagley, Johnston County.
.2	Lat 35°27', long 78°02', at bridge on Secondary Road 1317, $\frac{3}{4}$ mile above mouth and 4 miles southwest of Pikeville, Wayne County.
.7	Lat 35°20', long 78°01', at bridge on Secondary Road 1227, $\frac{1}{2}$ mile east of Genoa, Wayne County, and 1 mile above mouth.
5.0	Lat 35°15'06", long 77°57'13", at bridge on Secondary Road 1915, 1½ miles above mouth and 5 miles east of Dudley, Wayne County.
.4	Lat 35°22'48", long 77°52'13", at bridge on Secondary Road 1702, $\frac{3}{4}$ mile north of New Hope, Wayne County, and 3¾ miles above mouth.
7.1	Lat 35°14'56", long 77°47'05", at bridge on Secondary Road 1311, 1½ miles above mouth and 2 miles south of Mayo Store, Lenoir County.
11	Lat 35°43'50", long 78°11'20", at bridge on Secondary Road 1733, 2 miles above Turkey Creek and 2.4 miles southwest of Connor, Wilson County.
3.2	Lat 35°46'20", long 78°09'40", at bridge on Secondary Road 1105, 0.3 mile below Southern Railroad, 1.3 miles above Haw Branch and 2.5 miles west of Bailey, Nash County.
5.3	Lat 35°43'40", long 78°10'20", at bridge on Secondary Road 1128, 1.2 miles above mouth and 1.5 miles southwest of Connor, Wilson County.
.6	Lat 35°42'10", long 78°03'50", at bridge on Secondary Road 1149, 0.2 mile north of Rock Ridge, Wilson County, and 0.6 mile above mouth.
.6	Lat 35°43'10", long 77°58'20", at bridge on State Highway 42, $\frac{1}{2}$ mile above mouth and 3.7 miles west of Wilson, Wilson County.
<.1	Lat 35°36'30", long 77°57'00", at bridge on Secondary Road 1634, 0.9 mile above mouth and 2.2 miles southwest of Black Creek, Wilson County.
.4	Lat 35°35'40", long 77°53'10", at bridge on Secondary Road 1629, 0.7 mile above mouth and 3½ miles west of Stantonsburg, Wilson County.
31	Lat 35°35'10", long 77°48'40", at bridge on State Highway 58, 0.6 mile above Toisnot Swamp and 1½ miles southeast of Stantonsburg, Wilson County.
.8	Lat 35°47'40", long 78°04'00", at bridge on Secondary Road 1960, 2½ miles above mouth and 3¾ miles northeast of Bailey, Nash County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		NEUSE RIVER BASIN--Continued		
812	2-0908.91	Beamans Run near Walstonburg, N.C.....	8-12-57	b7.9
813	2-0909.6	Nahunta Swamp near Pikeville, N.C.....	8-12-57	b19
814	2-0909.8	The Slough near Saulston, N.C.....	8-12-57	21.4
815	2-0911.41	Fort Run near Contentnea, N.C.....	8-12-57	b10
816	2-0914.3	Shepherd Run near Snow Hill, N.C.....	8-12-57	b1.5
817	2-0914.86	Rainbow Creek at Hookerton, N.C.....	8-12-57	b15
818	2-0915.02	Contentnea Creek at State Highway 123 near Hookerton, N.C.	9-15-62	b730
819	2-0915.29	Mussell Run near Hookerton, N.C.....	8-12-57	b11
820	2-0915.59	Polecat Branch near Hookerton, N.C.....	8-13-57	b3.2
821	2-0915.74	Contentnea Creek near Hugo, N.C.....	8-12-57	b790
822	2-0917.4	Little Contentnea Creek at Scuffleton, N.C.	8-13-57	b170
823	2-0917.86	Eagle Swamp near Grifton, N.C.....	8-12-57	b9.7
824	2-0922.67	Tuckahoe Swamp near Taylors Corner, N.C.	8-13-57	27.1
825	2-0925.36	Beaver Creek near Trenton, N.C.....	8-13-57	b30
826	2-0925.53	Mill Run near Pollocksville, N.C.....	8-13-57	b21
		NEW RIVER BASIN		
827	2-0930.08	Cowhorn Swamp at Gum Branch, N.C.....	8-13-57	b16
		CAPE FEAR RIVER BASIN		
828	2-0933.01	Mears Fork at mouth near Hillsdale, N.C.	9-13-62	12.4
829	2-0933.11	Benaja Creek at Benaja, N.C.....	9-13-66	8.21
830	2-0933.28	Troublesome Creek near Midway, N.C.....	9-12-62	b25

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B173

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
0.1	Lat 35°32'50", long 77°44'30", at bridge on Secondary Road 1222, 1.1 miles above mouth and 4.1 miles southwest of Walstonburg, Greene County.
.....	Lat 35°30'40", long 77°59'00", at bridge on U.S. Highway 117, 1/4 mile below Atlantic Coast Line Railroad and 1 mile north of Pikeville, Wayne County.
.7	Lat 35°28'15", long 77°51'32", at bridge on Secondary Road 1575, ½ mile above mouth and 3 miles northeast of Saulston, Wayne County.
<.1	Lat 35°29'50", long 77°43'30", at bridge on Secondary Road 1219, ½ mile above mouth and ¾ mile south of Contentnea, Greene County.
.9	Lat 35°26'10", long 77°38'40", at culvert on State Highway 91, 1 mile above mouth and 2.0 miles south of Snow Hill, Greene County.
1.8	Lat 35°25'30", long 77°35'40", at bridge on Secondary Road 1438, at Hookerton, Greene County, and 1/4 mile above mouth.
280	Lat 35°24'40", long 77°34'50", at bridge on State Highway 123, ½ mile northeast of Hookerton and ½ mile above Mussel Run, Greene County.
.4	Lat 35°26'20", long 77°34'00", at bridge on Secondary Road 1400, 1 mile above mouth and 2 miles northeast of Hookerton, Greene County.
.1	Lat 35°26'00", long 77°32'40", at bridge on Secondary Road 1411, 1 mile above mouth and 3 miles east of Hookerton, Greene County.
31	Lat 35°24'50", long 77°29'50", at bridge on Secondary Road 1410, 1.9 miles above Little Contentnea Creek and 2.3 miles northeast of Hugo, Lenoir County.
3.0	Lat 35°27'20", long 77°29'10", at bridge on State Highway 102, at Scuffleton, Greene County, and 2.6 miles above mouth.
.2	Lat 35°21'40", long 77°26'30", in Lenoir County, at bridge on Secondary Road 1800, 1 mile above mouth and 1 mile south of Grifton.
.1	Lat 35°00'44", long 77°38'14", at bridge on U.S. Highway 258, 2.7 miles west of Taylors Corner, Jones County.
.2	Lat 35°08'20", long 77°27'30", 1/4 mile above Trace Branch and 8 miles northwest of Trenton, Jones County.
2.2	Lat 35°00'30", long 77°16'50", at bridge on State Highway 58, ½ mile above mouth and 3½ miles west of Pollocksville, Jones County.
.....	Lat 34°51'50", long 77°29'40", at bridge on Secondary Road 1308, 0.5 mile southeast of Gum Branch, Onslow County, and 1.5 miles above mouth.
1.4	Lat 36°14'52", long 79°47'06", at mouth and 4.7 miles northeast of Hillsdale, Guilford County.
.8	Lat 36°14'56", long 79°40'36", at bridge on Secondary Road 2427, 0.1 mile south of Benaja, Rockingham County, 1½ miles above mouth.
4.1	Lat 36°18', long 79°47', at bridge on Secondary Road 1001, 2 miles northeast of Midway, Rockingham County, and 9-1/4 miles above mouth.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		CAPE FEAR RIVER BASIN--Continued		
831	2-0937.49	Reedy Fork near Colfax, N.C.....	9-13-62	5.84
832	2-0937.92	Beaver Creek near Oak Ridge, N.C.....	9-13-66	5.03
833	2-0939.19	Horsepen Creek near Guilford College, N.C.	9-13-66	b9.1
834	2-0959.07	Dry Creek at Glen Raven, N.C.....	9-12-62	b2.3
835	2-0961.2	Buttermilk Creek near Burlington, N.C..	10- 9-53	b15
836	2-0964.83	Boyd's Creek near Haw River, N.C.....	9-13-62	b7.3
837	2-0965.21	Back Creek near Pleasant Grove, N.C....	9-13-66	b14
838	2-0965.23	Mill Creek near Mebane, N.C.....	9-12-62	b3.9
839	2-0965.44	Back Creek near Haw River, N.C.....	7- 2-54	70
840	2-0965.53	Moadams Creek above sewage effluent outfall near Mebane, N.C.	9-13-66	b1.1
841	2-0965.93	Alamance Creek near Julian, N.C.....	9-12-62	b8.0
842	2-0965.97	Alamance Creek tributary near Climax, N.C.	9-12-62	b11
843	2-0966.01	Alamance Creek near Whitsett, N.C.....	9-12-62	b49
844	2-0966.07	Beaver Creek near Sedalia, N.C.....	9-13-62	b7.4
845	2-0967.04	Beaver Creek near Alamance, N.C.....	9-13-62	b11
846	2-0967.66	Stinking Quarter Creek near Kimes- ville, N.C.	9-12-62	b13
847	2-0967.73	South Prong Stinking Quarter Creek near Kimesville, N.C.	9-12-62	b18
848	2-0968.18	Rock Creek near Mebane, N.C.....	9-14-62	b5.6
849	2-0968.47	Bear Creek near Orange Grove, N.C.....	9-12-66	b4.0
850	2-0968.49	Toms Creek near Teer, N.C.....	9-12-66	b6.0

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B175

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
1.5	Lat 36°08', long 80°00', at bridge on Secondary Road 2007, 2-1/4 miles northeast of Colfax, Guilford County, and 2½ miles above Beaver Creek.
.4	Lat 36°10', long 79°59', at bridge on State Highway 68, ¾ mile above mouth and 1 mile southeast of Oak Ridge, Guilford County.
.9	Lat 36°07'20", long 79°53'02", at bridge on Secondary Road 2182, 1 mile above unnamed tributary and 3½ miles north of Guilford College, Guilford County.
5.8	Lat 36°07', long 79°29', at bridge on Secondary Road 1529, 1-1/4 miles above mouth and 1-1/4 miles northwest of Glen Raven, Alamance County.
3.5	Lat 36°11', long 79°26', at bridge on Secondary Road 1002, 1½ miles above mouth and 7¾ miles north of Burlington, Alamance County.
.2	Lat 36°06', long 79°23', at bridge on Secondary Road 1737, 1/4 mile above mouth and 1-1/4 miles northwest of Haw River, Alamance County.
.1	Lat 36°09', long 79°17', at bridge on State Highway 119, 1½ miles above Stag Creek and 4½ miles southeast of Pleasant Grove, Alamance County.
.4	Lat 36°07', long 79°15', at bridge on Secondary Road 1346, 2 miles northwest of Mebane, Orange County, and 3 miles above mouth.
1.5	Lat 36°06', long 79°20', at bridge on U.S. Highway 70A, 1-1/4 miles below Quaker Creek, 2 miles east of Haw River, Alamance County.
<.1	Lat 36°06', long 79°17', above sewer effluent outfall 1 mile southwest of Mebane, Alamance County, and 3-1/4 miles above mouth.
.2	Lat 35°59', long 79°39', at bridge on Secondary Road 1005, 5½ miles north of Julian, Guilford County, and 8-1/4 miles above Little Alamance Creek.
.6	Lat 35°58', long 79°42', at bridge on U.S. Highway 421, 3½ miles northeast of Climax, Guilford County, and 4-1/4 miles above mouth.
2.7	Lat 36°02', long 79°35', at bridge on State Highway 61, 1-1/4 miles above Little Alamance Creek and 2-1/4 miles southwest of Whitsett, Guilford County.
1.2	Lat 36°02'26", long 79°39'58", at bridge on Secondary Road 3048, 0.2 mile above mouth and 2.9 miles southwest of Sedalia, Guilford County.
1.0	Lat 36°02', long 79°31', at bridge on Secondary Road 1145, above mouth and 1-1/4 miles west of Alamance, Alamance County.
.4	Lat 35°58', long 79°34', at bridge on Secondary Road 1005, ½ mile above Chocolate Creek and 2 miles northwest of Kimesville, Guilford County.
2.1	Lat 35°58', long 79°32', at bridge on Secondary Road 1113, 1 mile above Poppaw Creek and 1-1/4 miles northeast of Kimesville, Alamance County.
.3	Lat 36°02', long 79°17', at bridge on Secondary Road 2131, 3/4 mile above mouth and 4½ miles south of Mebane, Alamance County.
<.1	Lat 35°58', long 79°11', at bridge on Secondary Road 1006, 1 mile above mouth and ½ mile south of Orange Grove, Orange County.
<.1	Lat 35°58', long 79°14', at bridge on Secondary Road 1115, 1 mile northwest of Teer, Orange County, and 1½ miles above mouth.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		CAPE FEAR RIVER BASIN--Continued		
851	2-0969.17	Collins Creek near White Cross, N.C....	9-12-66	b14
852	2-0969.19	Collins Creek near Terrells, N.C.....	9-12-62	b18
853	2-0969.79	Pokeberry Creek near Pittsboro, N.C....	9-12-62	12.2
854	2-0970.14	Robeson Creek tributary near Pitts- boro, N.C.	9-12-66	b1.1
855	2-0971.89	Robeson Creek near Seaforth, N.C.....	9-12-66	b27
856	2-0971.96	Stinking Creek near Pittsboro, N.C....	9-12-62	b5.9
857	2-0972.23	Mud Creek at Durham, N.C.....	9-12-62	5.43
858	2-0972.31	Sandy Creek near Durham, N.C.....	9-13-66	6.26
859	2-0973.34	Bolin Creek at N.C. 86 near Carrboro, N.C.	9-12-66	1.05
860	2-0973.74	Bolin Creek near Chapel Hill, N.C.....	9-12-62	11.6
861	2-0974.26	Kit Creek near Genlee, N.C.....	9-12-62	8.07
862	2-0974.4	Northeast Creek at O'Kellys Church, N.C.	9- 7-66	35.0
863	2-0974.49	Northeast Creek near Farrington, N.C...	9-12-62	46.9
864	2-0983.74	West Fork Deep River tributary near Friendship, N.C.	9-13-66	1.95
865	2-0984.37	Hiatt Branch near Deep River, N.C.....	9-12-66	4.09
866	2-0984.68	West Fork Deep River tributary No. 3 near High Point, N.C.	9-12-66	2.48
867	2-0990.07	Long Branch near Deep River, N.C.....	9-13-62	2.21
868	2-0992.4	Bull Run at Oakdale, N.C.....	9-12-66	7.75
869	2-0994.96	Deep River tributary near Randleman, N.C.	9-11-66	b2.3

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B177

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
0.1	Lat 35°54', long 79°14', at bridge on Secondary Road 1005, 4 miles above mouth, and $3\frac{3}{4}$ miles southwest of White Cross, Orange County.
.9	Lat 35°51', long 79°14', at bridge on Secondary Road 1543, $1\frac{1}{2}$ miles above mouth and $2\frac{1}{2}$ miles north of Terrells, Chatham County.
.9	Lat 35°46'27", long 79°07'13", at bridge on Secondary Road 1711, 1-1/4 miles above mouth and 5 miles northeast of Pittsboro, Chatham County.
<.1	Lat 35°44', long 79°13', at bridge on U.S. Highway 64, 1 mile above mouth and $2\frac{1}{2}$ miles west of Pittsboro, Chatham County.
.1	Lat 35°42', long 79°06', at bridge on Secondary Road 1939, $\frac{1}{2}$ mile above mouth and $4\frac{1}{2}$ miles southwest of Seaforth, Chatham County.
<.1	Lat 35°41', long 79°06', at bridge on Secondary Road 1939, 1 mile above mouth and 5 miles southeast of Pittsboro, Chatham County.
.1	Lat 35°58'31", long 78°59'04", at bridge on Secondary Road 1303, 1.4 miles above mouth and $4\frac{3}{4}$ miles southwest of Durham, Durham County.
4.0	Lat 35°58'05", long 78°58'08", at bridge on U.S. Highway 15, at sewage plant, 1 mile above mouth and 5 miles southwest of Durham, Durham County.
<.1	Lat 35°56'57", long 79°06'34", at bridge on State Highway 86, 1.0 mile above mouth, 3.4 miles northwest of Carrboro, Orange County.
<.1	Lat 35°55'29", long 79°01'34", at bridge on U.S. Highway 15, 0.5 mile above Booker Creek and 1.7 miles northeast of Chapel Hill, Orange County.
<.1	Lat 35°51'08", long 78°54'00", at bridge on Secondary Road 1630, 0.3 mile below Long Branch and 1.3 miles south of Genlee, Durham County.
<.1	Lat 35°51'19", long 78°56'26", at bridge on Secondary Road 1731, 0.5 mile below Kit Long Branch and $\frac{2}{3}$ mile south of O'Kellys Church, Chatham County.
.1	Lat 35°49'42", long 78°57'53", at bridge on Secondary Road 1001, 0.6 mile above mouth and 3.5 miles northeast of Farrington, Chatham County.
.2	Lat 36°02'30", long 80°00'05", at bridge on Secondary Road 1834, 1/4 mile above mouth and 4 miles southwest of Friendship, Guilford County.
<.1	Lat 36°00'50", long 80°00'05", at bridge on Secondary Road 1507, $\frac{3}{4}$ mile above mouth and 2-1/4 miles southwest of Deep River, Guilford County.
<.1	Lat 36°00'00", long 80°00'05", at bridge on Secondary Road 1507, 1 mile above mouth and 2 miles northwest of High Point, Guilford County.
.5	Lat 36°02'28", long 79°56'16", at bridge on Secondary Road 1541, 1.1 miles above mouth and 1.7 miles northeast of Deep River, Guilford County.
<.1	Lat 35°58'48", long 79°55'37", at bridge on Secondary Road 1144, at Oakdale, Guilford County, and 0.1 mile above mouth.
<.1	Lat 35°55', long 79°51', at culvert on State Highway 62 in Guilford County, $\frac{1}{2}$ mile above mouth and 8 miles northwest of Randleman.

B178 QUALITY OF SURFACE WATERS OF NORTH CAROLINA

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		CAPE FEAR RIVER BASIN--Continued		
870	2-1000.28	Bob Branch near Randleman, N.C.....	9-14-62	b2.8
871	2-1000.56	Muddy Creek near Randleman, N.C.....	9-14-62	b26
872	2-1001.72	Polecat Creek near Pleasant Garden, N.C.	9-13-62	b16
873	2-1002.06	Polecat Creek near Randleman, N.C.....	9-14-62	b52
874	2-1003.57	Bush Creek near Cedar Falls, N.C.....	9-14-62	b13
875	2-1004.32	Sandy Creek tributary No. 2 near Melancton, N.C.	9-13-66	b5.7
876	2-1004.63	Sandy Creek near Whites Chapel, N.C....	9-13-66	b44
877	2-1004.64	Mount Pleasant Creek at Whites Chapel, N.C.	9-13-66	b5.5
878	2-1005.36	Reed Creek near Ramseur, N.C.....	9-14-62	b7.7
879	2-1005.54	Mill Creek near Ramseur, N.C.....	9-14-62	b16
880	2-1005.72	Deep River tributary No. 2 near Ramseur, N.C.	9-14-62	b10
881	2-1006.37	Richland Creek near Ulah, N.C.....	9-12-66	22.8
882	2-1006.39	Richland Creek tributary near Mich- field, N.C.	9-12-66	b7.1
883	2-1006.64	Bachelor Creek near Coleridge, N.C.....	9-14-62	b9.2
884	2-1007.02	Bloodrun Creek near Siler City, N.C....	9-13-62	b7.4
885	2-1007.03	Brush Creek at Coleridge, N.C.....	9-14-62	b39
886	2-1007.04	Little Brush Creek near Coleridge, N.C.	9-14-62	b2.1
887	2-1008.04	Bear Creek near Jugtown, N.C.....	9-12-62	b24
888	2-1008.06	Bear Creek near Dover, N.C.....	9-13-66	b27

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B179

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
0.3	Lat 35°51'15", long 79°51'20", at bridge on Secondary Road 1941, $\frac{1}{2}$ mile above mouth and $3\frac{3}{4}$ miles northwest of Randleman, Randolph County.
.7	Lat 35°50'55", long 79°50'00", at bridge on Secondary Road 1939, $\frac{1}{4}$ mile above mouth and $2\frac{3}{4}$ miles northwest of Randleman, Randolph County.
.3	Lat 35°55', long 79°48', at bridge on State Highway 62, $3\frac{1}{2}$ miles southwest of Pleasant Garden, Guilford County, and $4\frac{1}{2}$ miles above Little Polecat Creek.
2.6	Lat 35°48'50", long 79°46'35", at bridge on Secondary Road 2134, $\frac{3}{4}$ mile above mouth and $1\frac{1}{2}$ miles southeast of Randleman, Randolph County.
.6	Lat 35°46', long 79°44', at bridge on Secondary Road 2226, $\frac{3}{4}$ mile above mouth and 1 mile east of Cedar Falls, Randolph County.
.3	Lat 35°52', long 79°37', at bridge on Secondary Road 2407, $\frac{1}{4}$ mile above mouth and 2 miles northwest of Melancton, Randolph County.
1.7	Lat 35°47', long 79°40', at bridge on Secondary Road 2481, $\frac{3}{4}$ mile above Mount Pleasant Creek and 1- $\frac{1}{4}$ miles west of Whites Chapel, Randolph County.
.2	Lat 35°47', long 79°39', at bridge on Secondary Road 2481, $\frac{1}{2}$ mile northwest of Whites Chapel, Randolph County, and 1- $\frac{1}{4}$ miles above mouth.
.3	Lat 35°43', long 79°39', at bridge on State Highway 22, 1 mile above mouth and 1 mile southeast of Ramseur, Randolph County.
1.2	Lat 35°41', long 79°38', at bridge on Secondary Road 2657, $\frac{1}{2}$ mile above mouth and $3\frac{1}{2}$ miles south of Ramseur, Randolph County.
.4	Lat 35°41', long 79°38', at bridge on State Highway 22, $\frac{1}{4}$ mile above mouth and $3\frac{1}{2}$ miles southeast of Ramseur, Randolph County.
.4	Lat 35°39', long 79°45', at bridge on Secondary Road 2831, $\frac{2}{4}$ mile above Panther Creek and 5- $\frac{1}{4}$ miles east of Ulah, Randolph County.
.4	Lat 35°39', long 79°44', at bridge on State Highway 902, $\frac{1}{2}$ mile above mouth and 5- $\frac{1}{4}$ miles northeast of Michfield, Randolph County.
.1	Lat 35°37', long 79°41', at bridge on Secondary Road 2900, $\frac{1}{4}$ mile above mouth and $3\frac{3}{4}$ miles southwest of Coleridge, Randolph County.
<.1	Lat 35°42', long 79°32', at bridge on Secondary Road 1127, $\frac{1}{4}$ mile above mouth and 4- $\frac{1}{4}$ miles southwest of Siler City, Chatham County.
1.7	Lat 35°38', long 79°35', at bridge on Secondary Road 1005, 2 miles above Little Brush Creek and 2- $\frac{1}{4}$ miles east of Coleridge, Randolph County.
<.1	Lat 35°38', long 79°34', at bridge on Secondary Road 1005, 1 mile above mouth and 3- $\frac{1}{4}$ miles southeast of Coleridge, Randolph County.
.5	Lat 35°28', long 79°42', at bridge on Secondary Road 1405, 2- $\frac{1}{4}$ miles above Wolf Creek and 4 miles north of Jugtown, Moore County.
<.1	Lat 35°27', long 79°40', at bridge on Secondary Road 1428, $\frac{3}{4}$ mile above Wolf Creek and 3 miles southwest of Dover, Moore County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		CAPE FEAR RIVER BASIN--Continued		
889	2-1008.72	Cabin Creek near Dover, N.C.....	9-12-62	b25
890	2-1009.29	Dry Creek near West Philadelphia, N.C..	9-12-62	b8.8
891	2-1009.58	Cabin Creek near Robbins, N.C.....	9-13-62	b78
892	2-1010.87	Big Juniper Creek near Harris, N.C.....	9-13-62	b8.0
893	2-1014.84	Pocket Creek near Cumnock, N.C.....	9-12-62	b23
894	2-1014.88	Little Pocket Creek near Cumnock, N.C..	9-12-62	b9.7
895	2-1015.13	Big Buffalo Creek near Sanford, N.C....	9-12-62	b9.7
896	2-1015.52	Big Buffalo Creek near Cumnock, N.C....	9-12-62	b20
897	2-1016.12	Little Buffalo Creek near Colon, N.C....	9-12-62	b4.6
898	2-1018.62	Holland Creek near Pittsboro, N.C.....	9-13-62	b13
899	2-1022.8	Hector Creek near Chalybeate, N.C.....	9- 8-66	b16
900	2-1025.8	Upper Little River at Swann, N.C.....	9- 8-66	b43
901	2-1025.9	Barbecue Creek at Barbecue, N.C.....	9- 8-66	31.4
902	2-1027.04	Little River near Harris, N.C.....	3- 9-65	b9.5
903	2-1027.05	Little River near Pinehurst, N.C.....	3- 9-65	b12
904	2-1027.07	Little River at Eastwood, N.C.....	3- 9-65	b16
905	2-1027.08	Wads Creek near Eastwood, N.C.....	3- 9-65	b5.5
906	2-1027.09	Little River near Eastwood, N.C.....	3- 9-65	b26
907	2-1027.78	Nicks Creek near Eastwood, N.C.....	3-19-65	20.5
908	2-1027.91	Nicks Creek near Southern Pines, N.C....	3- 9-65	26.6

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B181

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
0.6	Lat 35°24', long 79°42', at bridge on Secondary Road 1281, 1 mile below Cotten Creek and 3 miles southeast of Dover, Moore County.
<.1	Lat 35°24', long 79°37', at bridge on State Highway 27, at mouth of Horse Creek and 2 miles northeast of West Philadelphia, Moore County.
3.1	Lat 35°25', long 79°36', at bridge on Secondary Road 1002, ½ mile above mouth and 1-1/4 miles southwest of Robbins, Moore County.
.1	Lat 35°19', long 79°30', at bridge on Secondary Road 1240, 1½ miles above mouth and 1½ miles northeast of Harris, Moore County.
.2	Lat 35°30', long 79°16', at bridge on Secondary Road 1009, 2¼ miles above mouth and 4¾ miles southwest of Cumnock, Lee County.
.1	Lat 35°30', long 79°18', at bridge on Secondary Road 1009, 1¾ miles above mouth and 4¾ miles southwest of Cumnock, Lee County.
.1	Lat 35°29', long 79°12', at bridge on Secondary Road 1009, 1 mile below Skunk Creek and 1½ miles northwest of Sanford, Lee County.
1.1	Lat 35°33', long 79°13', at bridge on Secondary Road 1402, 1 mile above mouth and 1 mile southeast of Cumnock, Lee County.
<.1	Lat 35°32', long 79°10', at bridge on Secondary Road 1420, 1-1/4 miles west of Colon, Lee County, and 3¾ miles above mouth.
.1	Lat 35°42', long 79°15', at bridge on Secondary Road 2127, 2-1/4 miles above mouth and 4 miles southwest of Pittsboro, Chatham County.
1.7	Lat 35°28', long 78°52', at culvert on Secondary Road 1412, 1½ miles above mouth and 3¾ miles southwest of Chalybeate, Harnett County.
3.6	Lat 35°24', long 79°07', at bridge on State Highway 87, ½ mile below Juniper Creek and 1-1/4 miles north of Swann, Lee County.
2.1	Lat 35°20'16", long 79°02'44", at bridge on Secondary Road 1285, 0.3 mile northwest of Barbecue, Harnett County, and 0.4 mile above Kiln Branch.
21	Lat 35°16', long 79°30', at bridge on Secondary Road 1210, 2¾ miles southeast of Harris, Moore County, and 4½ miles above Wads Creek.
38	Lat 35°16', long 79°28', at bridge on Secondary Road 1209, 3-1/4 miles above Wads Creek, and 5-1/4 miles north of Pinehurst, Moore County.
44	Lat 35°16', long 79°26', at bridge on U.S. Highway 15, 1 mile above Wads Creek and 1 mile north of Eastwood, Moore County.
16	Lat 35°17', long 79°26', at bridge on U.S. Highway 15 and 501, 1½ miles above mouth, and 2-1/4 miles north of Eastwood, Moore County.
76	Lat 35°16', long 79°25', at bridge on State Highway 22, 1/4 mile below Wads Creek and 1½ miles northeast of Eastwood, Moore County.
62	Lat 35°14'15", long 79°26'53", at bridge on U.S. Highway 15, 0.6 mile south of Eastwood, Moore County and 0.9 mile above Chandler Pond.
79	Lat 35°15', long 79°25', at bridge on State Highway 22, 1 mile above mouth and 5½ miles north of Southern Pines, Moore County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		CAPE FEAR RIVER BASIN--Continued		
909	2-1028.13	McDeeds Creek above sewage effluent outfall at Southern Pines, N.C	3- 9-65	2.23
910	2-1028.49	McDeeds Creek near Niagara, N.C.....	3- 9-65	7.19
911	2-1028.59	Mill Creek near Skyline, N.C.....	3- 9-65	15.9
912	2-1028.96	Little River at Vass, N.C.....	3- 9-65	b99
913	2-1028.99	Carrols Branch near Southern Pines, N.C.	3- 9-65	6.69
914	2-1029.12	Dunhams Creek near Whispering Pines, N.C.	3- 9-65	b8.8
915	2-1029.14	Crane Creek near Carthage, N.C.....	3- 9-65	b4.6
916	2-1029.22	Herds Creek near Cameron, N.C.....	3- 9-65	b9.2
917	2-1029.38	Crane Creek near Lobelia, N.C.....	3- 9-65	b80
918	2-1029.41	Crane Creek at Lobelia, N.C.....	3- 9-65	b95
919	2-1041.64	Cape Fear River near Fayetteville, N.C.	2- 8-63	b4,420
920	2-1043.8	Beaver Creek at Cumberland, N.C.....	5-17-62	32.2
921	2-1087.3	Greenfield Lake Outlet at Wilmington, N.C.	3-15-67	b4.1
		PEE DEE RIVER BASIN		
922	2-1108.26	Yadkin River at Finley, N.C.....	8-13-63	b11
923	2-1110.84	Buffalo Creek near Yadkin Valley, N.C..	8-13-63	32.3
924	2-1111.28	Kings Creek near Kings Creek, N.C.....	8-14-63	b9.4
925	2-1111.57	Elk Creek near Penley, N.C.....	8-15-63	b23
926	2-1111.92	Yadkin River at Ferguson, N.C.....	8-13-63	b180

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B183

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
4.5	Lat 35°11'31", long 79°23'10", at bridge on State Highway 2, 1.0 mile north of Southern Pines, Moore County, and 4.1 miles above mouth.
14	Lat 35°13'00", long 79°21'31", at bridge on Secondary Road 1802, 0.7 mile northwest of Niagara, Moore County, and 1.5 miles above mouth.
42	Lat 35°14'06", long 79°20'09", at bridge on Secondary Road 1853, 0.6 mile below McDeeds Creek, and 1.7 miles north of Skyline, Moore County.
289	Lat 35°14'31", long 79°17'48", at U.S. Highway 1 at Vass, Moore County, and 0.2 mile below Seaboard Air Line Railway.
19	Lat 35°11'33", long 79°17'46", at bridge on Secondary Road 2026, 0.7 mile above mouth and 5-3/4 miles east of Southern Pines, Moore County.
26	Lat 35°19', long 79°20', at bridge on Secondary Road 1805, 1/4 mile above mouth, and 3-1/4 miles north of Whispering Pines, Moore County.
8.0	Lat 35°20', long 79°21', at bridge on State Highway 27, 1½ miles above Dunhams Creek, and 4-1/4 miles east of Carthage, Moore County.
22	Lat 35°19', long 79°18', at bridge on State Highway 27, 1½ miles above mouth, and 2½ miles west of Cameron, Moore County.
234	Lat 35°14'36", long 79°12'41", at bridge on Secondary Road 2014, 1.5 miles north of Lobelia, Moore County.
257	Lat 35°12'45", long 79°11'14", at bridge on Secondary Road 1001, 0.9 mile east of Lobelia, Moore County, and 1.0 mile above Little Creek.
.....	Lat 34°59'45", long 78°51'05", 3 miles above Rockfish Creek, 3½ miles southeast of Fayetteville, Cumberland County.
29	Lat 35°00'10", long 78°58'44", at bridge on Secondary Road 1141, at Cumberland, Cumberland County, and 1 mile above mouth.
.....	Lat 34°12'40", long 77°56'40", at bridge on U.S. Highway 421, 1-3/4 miles south of Customs House in Wilmington, New Hanover County.
7.4	Lat 36°04', long 81°35', at bridge on Secondary Road 1372, at Finley, Caldwell County, and ½ mile above Jackson Camp Creek.
21	Lat 36°01'40", long 81°30'45", at bridge on Secondary Road 1505, 1 mile below Licklog Branch and 1 mile northwest of Yadkin Valley, Caldwell County.
8.2	Lat 36°01', long 81°24', at bridge on Secondary Road 1552, 1-3/4 miles north of Kings Creek, Caldwell County, and 2-1/4 miles above Right Fork of Kings Creek.
10	Lat 36°10', long 81°31', at bridge on Secondary Road 1508, ½ mile below Laurel Fork and 3-1/4 miles northeast of Penley, Watauga County.
94	Lat 36°07', long 80°22', at bridge on State Highway 268, 1/4 mile east of Ferguson, Wilkes County, and 1-1/4 miles above Beaver Creek.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
927	2-1112.03	Beaver Creek near Ferguson, N.C.....	8-15-63	b14
928	2-1112.42	Wildcat Creek near Mt. Zion, N.C.....	8-15-63	b1.6
929	2-1112.52	Stony Fork at Mt. Zion, N.C.....	8-15-63	b15
930	2-1113.42	South Prong Lewis Fork Creek near Maple Springs, N.C.	8-11-63	b13
931	2-1113.98	Fishtrap Creek near Buck, N.C.....	8-13-63	b7.9
932	2-1114.03	Moravian Creek near Moravian Falls, N.C.	8-13-63	b21
933	2-1114.33	North Fork Reddies River near Wilbar, N.C.	8-14-63	b30
934	2-1120.24	Mulberry Creek near Halls Mill, N.C....	8-14-63	b17
935	2-1120.29	Mulberry Creek near Fairplains, N.C....	8-15-63	b32
936	2-1120.71	Rock Creek near Roaring River, N.C.....	8-15-63	b7.8
937	2-1120.81	Fishing Creek near North Wilkesboro, N.C.	8-15-63	b7.5
938	2-1121.08	Middle Prong Roaring River at Moxley, N.C.	8-14-63	b28
939	2-1121.13	West Prong Roaring River at Dehart, N.C.	8-14-63	b17
940	2-1121.17	East Prong Roaring River near Lomax, N.C.	8-14-63	b33
941	2-1121.57	Brier Creek near Roaring River, N.C....	8-15-63	b8.3
942	2-1121.63	Big Bugaboo Creek near Benham, N.C.....	8-14-63	b8.0
943	2-1122.13	Swan Creek near Ronda, N.C.....	8-15-63	b13
944	2-1122.38	Elkin River near Benham, N.C.....	8-14-63	b18
945	2-1123.36	South Fork Mitchell River near Mountain Park, N.C.	8-15-63	b22

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B185

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
10	Lat 36°06', long 81°21', at bridge on State Highway 268, $\frac{1}{2}$ mile above mouth and 1-1/4 miles east of Ferguson, Wilkes County.
5.2	Lat 36°09', long 81°29', at bridge on Secondary Road 1155, 1 mile west of Mt. Zion, Wilkes County, and 1 $\frac{1}{2}$ miles above mouth.
8.1	Lat 36°09', long 81°27', at bridge on Secondary Road 1155, at Mt. Zion, Wilkes County, and 8 $\frac{1}{2}$ miles above mouth.
9.1	Lat 36°11', long 81°24', at culvert on U.S. Highway 421, 1 $\frac{3}{4}$ miles west of Maple Springs, Wilkes County, and 8 $\frac{1}{2}$ miles above mouth.
2.8	Lat 36°10', long 81°15', at bridge on Secondary Road 1313, 1 $\frac{1}{2}$ miles west of Buck, Wilkes County, and 2 miles above mouth.
9.0	Lat 36°04', long 81°13', at bridge on State Highway 18, 1 mile southwest of Moravian Falls, Wilkes County, and 5 miles above mouth.
13	Lat 36°15', long 81°16', at bridge on Secondary Road 1559, $\frac{3}{4}$ mile above South Fork Reddies River and 2-1/4 miles east of Wilbar, Wilkes County.
14	Lat 36°17', long 81°13', at bridge on State Highway 18, 1-1/4 miles south of Halls Mill, Wilkes County, and 5-1/4 miles above Hay Meadow Creek.
24	Lat 36°14', long 81°09', at bridge on Secondary Road 1002, 1 mile below Hay Meadow Creek and 1 $\frac{3}{4}$ miles northeast of Fairplains, Wilkes County.
.4	Lat 36°12', long 81°05', along Secondary Road 2328, $\frac{1}{2}$ mile above mouth and 4-1/4 miles southwest of Roaring River, Wilkes County.
3.8	Lat 36°10', long 81°06', at bridge on Secondary Road 2340, 2-1/4 miles above mouth and 3 miles east of North Wilkesboro, Wilkes County.
13	Lat 36°20', long 81°06', at bridge on Secondary Road 1736, $\frac{1}{2}$ mile south of Moxley, Wilkes County, and 2 miles above mouth.
9.6	Lat 36°19', long 81°08', at bridge on Secondary Road 1745, at Dehart, Wilkes County, and 2 miles above Middle Prong Roaring River.
21	Lat 36°18', long 81°03', at bridge on Secondary Road 1945, 2 $\frac{1}{2}$ miles northwest of Lomax, Wilkes County, and 3 miles above mouth.
3.8	Lat 36°12', long 81°00', at bridge on Secondary Road 2324, $\frac{1}{2}$ mile above mouth and 1 $\frac{1}{2}$ miles southeast of Roaring River, Wilkes County.
3.7	Lat 36°17', long 80°58', at bridge on Secondary Road 1931, 2 $\frac{1}{2}$ miles southwest of Benham, Wilkes County, and 3 miles above Little Buga-boo Creek.
4.7	Lat 36°13', long 80°54', at bridge on Secondary Road 2305, $\frac{3}{4}$ mile above mouth and 2-1/4 miles east of Ronda, Wilkes County.
6.9	Lat 36°18', long 80°55', at bridge on Secondary Road 2035, 1-1/4 miles northeast of Benham, Wilkes County, and 7-1/4 miles above mouth.
9.8	Lat 36°21', long 80°51', at bridge on Secondary Road 1307, 1 $\frac{1}{2}$ miles south of Mountain Park, Surry County, and 3 $\frac{1}{2}$ miles above mouth.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
946	2-1123.66	Mitchell River above Snow Creek at Burch, N.C.	8-14-63	b93
947	2-1123.72	Little Creek near Zephyr, N.C.....	8-14-63	b1.3
948	2-1123.78	Snow Creek near Burch, N.C.....	8-14-63	b16
949	2-1123.91	Mitchell River at Burch, N.C.....	8-14-63	b110
950	2-1123.99	Fisher River at Ladonia, N.C.....	8-15-63	b21
951	2-1124.02	Fisher River at Blevins Store, N.C.....	8-15-63	b31
952	2-1124.73	Wood Fork Branch near Oak Grove, N.C...	8-13-63	b10
953	2-1124.83	Little Fisher River near Dobson, N.C...	8-13-63	b39
954	2-1125	Fisher River near Dobson, N.C.....	8-13-63	109
955	2-1130.53	White Oak Branch near Dobson, N.C.....	8-13-63	b1.7
956	2-1131.08	Cody Creek near Dobson, N.C.....	8-13-63	b7.3
957	2-1131.66	Cody Creek near Level Cross, N.C.....	8-13-63	b11
958	2-1135.24	Hagan Creek near Siloam, N.C.....	8-14-63	b8.0
959	2-1136.81	Lovills Creek at U.S. Highway 601 at Mt. Airy, N.C.	8-13-63	b29
960	2-1137.21	Pauls Creek near Mt. Airy, N.C.....	8-13-63	b33
961	2-1138.24	Rutledge Creek near Mt. Airy, N.C.....	8-13-63	b7.2
962	2-1138.48	Flat Shoal Creek near Ararat, N.C.....	8-14-63	b7.4
963	2-1138.68	Toms Creek near Westfield, N.C.....	8-13-63	b14
964	2-1139.78	Bull Run Creek near Ash Hill, N.C.....	8-14-63	b11
965	2-1141.33	Grassy Creek near Shoals, N.C.....	8-14-63	b15
966	2-1144.01	Danbury Creek at Dalton, N.C.....	9-22-61	8.13
967	2-1155.53	South Deep Creek near Footsville, N.C..	8-13-63	b36

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B187

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
53	Lat 36°17', long 80°46', above Snow Creek and 1 mile northwest of Burch, Surry County.
.6	Lat 36°22', long 80°48', at bridge on Secondary Road 1122, 3/4 mile east of Zephyr, Surry County, and 3½ miles above mouth.
7.1	Lat 36°18', long 80°46', at bridge on Secondary Road 1121, 1½ miles above mouth and 2 miles north of Burch, Surry County.
62	Lat 36°17', long 80°46', at Burch, Surry County, and ½ mile above mouth.
15	Lat 36°30', long 80°51', at bridge on Secondary Road 1338, at Ladonia, Surry County, and ½ mile below Camp Branch.
18	Lat 36°27', long 80°49', at bridge on Secondary Road 1331, 1/4 mile northeast of Blevins Store, Surry County, and 1½ miles above Red Hill Creek.
5.5	Lat 36°28', long 80°45', at bridge on Secondary Road 1331, 1/4 mile above mouth and 1½ miles south of Oak Grove, Surry County.
15	Lat 36°26', long 80°43', at bridge on Secondary Road 1350, ¾ mile above mouth and 2-1/4 miles north of Dobson, Surry County.
.....	Lat 36°23', long 80°40', at bridge on Secondary Road 1100, 1½ miles above Chapman Creek and 3 miles east of Dobson, Surry County.
.7	Lat 36°22', long 80°44', at bridge on Secondary Road 1103, 1/2 mile above mouth and 2-1/4 miles south of Dobson, Surry County.
2.2	Lat 36°22', long 80°43', at bridge on Secondary Road 1104, 1 mile below Kick Shin Creek and 2 miles south of Dobson, Surry County.
4.0	Lat 36°20', long 80°41', at bridge on State Highway 268, 1/2 mile above Kings Creek and 3¾ miles west of Level Cross, Surry County.
2.1	Lat 36°17', long 80°34', at bridge on Secondary Road 2082, at Siloam, Surry County, and 1/2 mile above mouth.
9.4	Lat 36°29', long 80°37', at bridge on U.S. Highway 601, at Mt. Airy, Surry County, and 1¼ miles above mouth.
34	Lat 36°30'15", long 80°40'00", at bridge on Secondary Road 1621, at mouth and 3-1/4 miles west of Mt. Airy, Surry County.
2.4	Lat 36°28', long 80°34', at bridge on U.S. Highway 52, 1-1/4 miles above mouth and 4 miles southeast of Mt. Airy, Surry County.
2.4	Lat 36°25', long 80°32', at bridge on Secondary Road 2018, 1-1/2 miles northeast of Ararat, Surry County, and 2 miles above mouth.
5.5	Lat 36°26'03", long 80°29'11", at bridge on Secondary Road 1812, 2.9 miles above Chinquapin Creek and 3.6 miles southwest of Westfield, Surry County.
3.8	Lat 36°22', long 80°34', at bridge on Secondary Road 2038, 1-1/2 miles south of Ash Hill, Surry County, and 2 miles above mouth.
3.0	Lat 36°16', long 80°28', at bridge on Secondary Road 2072, 1 mile above mouth and 2-1/2 miles east of Shoals, Surry County.
3.9	Lat 36°18'34", long 80°23'45", at bridge on Secondary Road 1139, 0.4 mile above mouth and 0.4 mile east of Dalton, Stokes County.
10	Lat 36°06', long 80°42', at bridge on Secondary Road 1166, 2-1/2 miles below Cranberry Creek and 2-1/2 miles north of Footsville, Yadkin County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
968	2-1155.67	South Deep Creek tributary near Footsville, N.C.	8-13-63	b9.2
969	2-1155.9	South Deep Creek at Shacktown, N.C.....	8-13-63	b66
970	2-1155.94	North Deep Creek near Center, N.C.....	8-13-63	b6.9
971	2-1156.04	North Deep Creek tributary near Nebo, N.C.	8-13-63	b13
972	2-1156.61	Yadkin River at Huntsville, N.C.....	9-22-61	1,860
973	2-1156.71	Ellison Creek near Lewisville, N.C.....	9-22-61	b3.8
974	2-1157.03	Muddy Creek at Bethania, N.C.....	9-22-61	b26
975	2-1157.14	Mill Creek near Walkertown, N.C.....	9-22-61	3.77
976	2-1157.4	Mill Creek near Oldtown, N.C.....	9-24-56	27.8
977	2-1157.42	Muddy Creek near Winston-Salem, N.C....	9-24-56	65.7
978	2-1158.3	Kerners Mill Creek near Kernersville, N.C.	9-22-61	b2.2
979	2-1158.33	Kerners Mill Creek at Guthrie, N.C.....	9-22-61	b8.6
980	2-1158.7	Fiddlers Creek near Winston-Salem, N.C.	9-22-61	9.73
981	2-1164.98	Dykers Creek near Yadkin College, N.C.	8-15-63	b8.1
982	2-1166.86	Dutchmans Creek near Stanleys Store, N.C.	8-13-63	b31
983	2-1170	Dutchmans Creek near Cornatzer, N.C....	8-14-63	83.6
984	2-1170.12	Elisha Creek near Mocksville, N.C.....	8-14-63	b8.7
985	2-1170.17	Dutchmans Creek near Mocksville, N.C...	9-20-56	b120
986	2-1170.22	Dutchmans Creek near Fork, N.C.....	8-14-63	b130

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B189

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
4.9	Lat 36°06', long 80°43', at bridge on Secondary Road 1166, 1 mile above mouth and 2-1/2 miles south of Footsville, Yadkin County.
18	Lat 36°06', long 80°35', at bridge on Secondary Road 1710, $\frac{3}{4}$ mile south of Shacktown, Yadkin County, and 1 mile above Harmon Creek.
2.9	Lat 36°11', long 80°41', at bridge on U.S. Highway 601, above North Deep Creek tributary and $2\frac{3}{4}$ miles northeast of Center, Yadkin County.
3.5	Lat 36°11', long 80°41', at bridge on Secondary Road 1503, $\frac{3}{4}$ mile above mouth and $2\frac{3}{4}$ miles southwest of Nebo, Yadkin County.
1,400	Lat 36°06', long 80°30', at bridge on Secondary Road 1001, in Forsyth County, below Deep Creek and 1 mile northeast of Huntsville.
1.5	Lat 36°03', long 80°27', at bridge on Secondary Road 1166, 1/2 mile above mouth and $3\frac{3}{4}$ miles southwest of Lewisville, Forsyth County.
15	Lat 36°10'17", long 80°20'36", at bridge on State Highway 67, 0.7 mile south of Bethania, Forsyth County, and 2.2 miles above Bill Branch.
1.4	Lat 36°10'50", long 80°13'22", at bridge on Secondary Road 2211, 0.2 mile above Fivemile Branch and 3.9 miles west of Walkertown, Forsyth County.
.....	Lat 36°09'06", long 80°19'03", at bridge on Secondary Road 1413, 2.8 miles above mouth, and 1.3 miles west of Oldtown, Forsyth County.
3.5	Lat 36°07'07", long 80°21'01", at bridge, 0.5 mile below Mill Creek, 5.2 miles southeast of Baptist Hospital in Winston-Salem, Forsyth County.
.5	Lat 36°06'20", long 80°06'20", at culvert on State Highway 150, 2-1/4 miles southwest of Kernersville, Forsyth County, and $3\frac{1}{2}$ miles above Fishers Branch.
3.1	Lat 36°06'59", long 80°08'48", at bridge on Interstate Highway 40, 0.4 mile southeast of Guthrie, Forsyth County, and 0.7 mile above Fishers Branch.
3.8	Lat 36°02'46", long 80°11'48", at bridge on State Highway 109, 1.5 miles above mouth and 4.6 miles southeast of Winston-Salem, Forsyth County.
3.4	Lat 35°51'32", long 80°22'52", at bridge on Secondary Road 1186, 0.3 mile southwest of Yadkin Star Church, at Yadkin College, Davidson County, and 0.5 mile above mouth.
3.4	Lat 36°01', long 80°37', at bridge on U.S. Highway 601, 1/2 mile below Chinquapin Creek and 3 miles north of Stanleys Store, Davie County.
7.5	Lat 35°56', long 80°30', at bridge on Secondary Road 1600, below Cedar Creek and $1\frac{1}{2}$ miles west of Cornatzer, Davie County.
1.7	Lat 36°55', long 80°31', at bridge on Secondary Road 1600, 1-1/4 miles above mouth and $2\frac{1}{4}$ miles northeast of Mocksville, Davie County.
.5	Lat 35°53', long 80°30', at bridge on U.S. Highway 64, $1\frac{1}{2}$ miles below Elisha Creek and $3\frac{1}{2}$ miles east of Mocksville, Davie County.
18	Lat 35°50', long 80°29', at bridge on State Highway 801, 1-1/4 miles above mouth and $2\frac{3}{4}$ miles southwest of Fork, Davie County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
987	2-1170.67	South Yadkin River near Vashti, N.C....	8-14-63	b24
988	2-1171.32	South Yadkin River near Hiddenite, N.C.	8-14-63	b54
989	2-1173.46	South Yadkin River near Charles, N.C...	8-14-63	b120
990	2-1173.91	Rocky Creek near Union Grove, N.C.....	10-17-66	b39
991	2-1174.07	Rocky Creek near Harmony, N.C.....	8-15-63	b64
992	2-1174.27	Patterson Creek tributary near Charles, N.C.	8-14-63	b4.5
993	2-1181.53	Little River near Cooleemee, N.C.....	8-13-63	b4.3
994	2-1182.51	South Yadkin River near Cooleemee, N.C.	8-14-63	b320
995	2-1184.33	North Hunting Creek at Buck Shoals, N.C.	8-13-63	b27
996	2-1185.8	Hunting Creek at Calahan, N.C.....	8-13-63	b180
997	2-1186.91	Hunting Creek near Mocksville, N.C....	8-13-63	b190
998	2-1187.53	Bear Creek near Holman, N.C.....	8-13-63	b10
999	2-1189.57	Bear Creek near Cooleemee, N.C.....	8-14-63	b32
1000	2-1194.12	Third Creek near Loray, N.C.....	8-13-63	b16
1001	2-1194.44	Duck Creek near Troutman, N.C.....	8-13-63	b3.9
1002	2-1205.56	Fourth Creek near Statesville, N.C....	8-14-63	b9.2
1003	2-1206.08	Fourth Creek near Elmwood, N.C.....	8-13-63	b54
1004	2-1206.18	Fourth Creek near Cleveland, N.C.....	8-15-63	b73
1005	2-1206.28	Fourth Creek near Woodleaf, N.C.....	8-14-63	b80
1006	2-1206.91	Withrow Creek near Amity Hill, N.C....	8-13-63	b20
1007	2-1207.03	Beaverdam Creek near Cleveland, N.C....	8-15-63	b5.8

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B191

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
6.4	Lat 35°58', long 81°05', at bridge on Secondary Road 1458, 1/4 mile below Mill Creek and 3 miles southeast of Vashti, Alexander County.
16	Lat 35°54', long 81°03', at bridge on Secondary Road 1456, 1-1/4 miles below Greasy Creek and 2 miles east of Hiddenite, Alexander County.
43	Lat 35°54', long 80°51', at bridge on Secondary Road 1892, $\frac{3}{4}$ mile south of Charles, Iredell County, and 4 miles above Rocky Creek.
.....	Lat 36°01', long 80°54', 2½ miles southwest of Union Grove, Iredell County, and 6 miles below Little Rocky Creek.
20	Lat 35°56', long 80°44', at bridge on Secondary Road 1890, 1-1/4 miles above Patterson Creek and 3 miles southwest of Harmony, Iredell County.
1.8	Lat 35°55', long 80°55', at bridge on Secondary Road 1898, 2 miles above mouth and 2½ miles west of Charles, Iredell County.
10	Lat 35°52', long 80°39', at bridge on Secondary Road 1307, 1 mile above mouth and 6-1/4 miles northwest of Cooleemee, Davie County.
114	Lat 35°50', long 80°38', at bridge on Secondary Road 1142, 2 miles above Hunting Creek and 4 miles northwest of Cooleemee, Davie County.
12	Lat 36°06', long 80°49', at bridge on Secondary Road 1125, at Buck Shoals, Yadkin County, and 2 miles above Walkers Branch.
75	Lat 35°55', long 80°40', at bridge on U.S. Highway 64, 1/2 mile southwest of Calahan, Davie County, and 5 miles below Long Branch.
82	Lat 35°53', long 80°38', at bridge on Secondary Road 1147, 4 miles west of Mocksville, Davie County, and 5½ miles above mouth.
1.9	Lat 35°56', long 80°38', at bridge on Secondary Road 1307, 2 miles west of Holman, Davie County, and 9 miles above Baxter Creek.
4.7	Lat 35°49', long 80°35', at bridge on Secondary Road 1116, $\frac{1}{4}$ mile above mouth and 2 miles northwest of Cooleemee, Davie County.
7.3	Lat 35°48', long 81°00', at bridge on Secondary Road 1521, 1½ miles west of Loray, Iredell County, and 12 miles above Duck Creek.
1.0	Lat 35°44', long 80°52', at culvert on U.S. Highway 21 Bypass, 1 mile above mouth and 3 miles north of Troutman, Iredell County.
4.9	Lat 35°51', long 80°55', at bridge on State Highway 115, 4-1/4 miles above Morrison Creek and 4½ miles north of Statesville, Iredell County.
21	Lat 35°46', long 80°45', at bridge on Secondary Road 2308, 1½ miles northeast of Elmwood, Iredell County, and 10-1/4 miles above mouth.
24	Lat 35°47', long 80°40', at bridge on Secondary Road 1972, 3¼ miles northeast of Cleveland, Rowan County, and 5 miles above mouth.
29	Lat 35°48', long 80°36', at bridge on Secondary Road 1985, 1-1/4 miles above mouth and 2½ miles north of Woodleaf, Rowan County.
12	Lat 35°40', long 80°46', at bridge on Secondary Road 2362, 2 miles south of Amity Hill, Iredell County, and 7 miles above Beaverdam Creek.
3.2	Lat 35°42'25", long 80°41'00", at bridge on Secondary Road 1743, 1 mile above mouth and 2 miles south of Cleveland, Rowan County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
1008	2-1207.13	Withrow Creek near Barber, N.C.....	8-15-63	b45
1009	2-1207.17	Back Creek near Mount Ulla, N.C.....	8-13-63	b12
1010	2-1207.21	Back Creek at Bear Poplar, N.C.....	8-13-63	b19
1011	2-1207.26	Sills Creek near Bear Poplar, N.C.....	8-13-63	b9.3
1012	2-1207.31	Sills Creek near Mill Bridge, N.C.....	8-13-63	b17
1013	2-1207.53	Sloans Creek at Mill Bridge, N.C.....	8-13-63	b3.8
1014	2-1207.57	Kerr Creek near Mill Bridge, N.C.....	8-13-63	b7.8
1015	2-1208.27	Deals Creek near Franklin, N.C.....	8-14-63	b8.6
1016	2-1208.87	Grants Creek near Mill Bridge, N.C.....	8-14-63	b19
1017	2-1209.16	Grants Creek tributary at Salisbury, N.C.	8-14-63	b9.9
1018	2-1209.71	Grants Creek at Spencer, N.C.....	8-15-63	b67
1019	2-1211.81	North Potts Creek at Linwood, N.C.....	9-21-61	10.0
1020	2-1213.82	Town Creek at East Spencer, N.C.....	8-15-63	b15
1021	2-1214.47	Brushy Fork near Eller, N.C.....	9-24-56	15.7
1022	2-1214.62	Abbotts Creek near Holly Grove, N.C....	9-21-61	b71
1023	2-1214.68	Rich Fork near Wallburg, N.C.....	9-21-61	9.83
1024	2-1214.71	Rich Fork near Thomasville, N.C.....	11-20-57	18.8
1025	2-1214.92	Leonard Creek tributary near Lexington, N.C.	9-21-61	6.01

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B193

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
20	Lat 35°42', long 80°39', at bridge on State Highway 801, 1-1/4 miles south of Barber, Rowan County, and 2 miles above Second Creek.
5.6	Lat 35°38'20", long 80°44'40", at bridge on Secondary Road 1759, 1½ miles south of Mount Ulla, Rowan County, and 6¼ miles above Sills Creek.
7.3	Lat 35°40'00", long 80°41'10", at bridge on Secondary Road 1547, ¾ mile south of Bear Poplar, Rowan County, and 3-1/4 miles above Sills Creek.
4.5	Lat 35°37', long 80°43', at bridge on State Highway 150, ¾ miles south of Bear Poplar, Rowan County, and 6 miles above mouth.
8.7	Lat 35°40'05", long 80°39'15", at bridge on Secondary Road 1771, 1 mile above mouth and 1¼ miles northwest of Mill Bridge, Rowan County.
1.7	Lat 35°38'55", long 80°37'40", at bridge on State Highway 150, 1 mile above Kerr Creek and ½ mile east of Mill Bridge, Rowan County.
8.6	Lat 35°37', long 80°40', at bridge on Secondary Road 1547, 2-1/4 miles southwest of Mill Bridge, Rowan County, and 3-1/4 miles above mouth.
4.3	Lat 35°44'05", long 80°28'45", at bridge on Secondary Road 1926, 0.2 mile above mouth and 2.5 miles northeast of Franklin, Rowan County.
6.9	Lat 35°37', long 80°34', at bridge on Secondary Road 1503, ¾ miles southeast of Mill Bridge, Rowan County, and 12½ miles above mouth.
2.6	Lat 35°40'30", long 80°30'30", above mouth and 2-1/4 miles west of Salisbury, Rowan County.
15	Lat 35°42'25", long 80°26'10", at bridge on Secondary Road 1915, 1½ miles above mouth and 1½ miles north of Spencer, Rowan County.
2.4	Lat 35°45'07", long 80°19'17", at bridge on Secondary Road 1133, 0.4 mile southwest of Linwood, Davidson County, and 2.0 miles above mouth.
1.7	Lat 35°40'20", long 80°26'00", at bridge on Secondary Road 2114, at East Spencer, Rowan County, and 3½ miles above Crane Creek.
1.2	Lat 35°56'57", long 80°10'51", at bridge on Secondary Road 1802, 2-1/4 miles east of Eller, Davidson County, and 4.4 miles above mouth.
.6	Lat 35°51'20", long 80°11'45", 1.5 miles above Rich Fork and 2¾ miles north of Holly Grove, Davidson County.
.2	Lat 35°56'56", long 80°06'08", at bridge on Secondary Road 1755, 4½ miles east of Wallburg, Davidson County, and 4¾ miles above Hunts Fork.
.....	Lat 35°56'19", long 80°06'37", above sewage plant, 0.4 mile above State Highway 109 and 4.2 miles northwest of Thomasville, Davidson County.
.7	Lat 35°52'00", long 80°13'54", at bridge on Secondary Road 1841, 1.2 miles above mouth and 3.4 miles northeast of Lexington, Davidson County.

B194 QUALITY OF SURFACE WATERS OF NORTH CAROLINA

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
1026	2-1214.96	Leonard Creek at U.S. Highway 70 near Lexington, N.C.	9-21-61	17.6
1027	2-1219.58	Flat Swamp Creek near Silver Hill, N.C.	8-28-57	15.4
1028	2-1226.33	Riles Creek near Gold Hill, N.C.....	9-21-61	b26
1029	2-1231.72	Little Uwharrie River near Light, N.C..	9-14-62	8.35
1030	2-1232.6	Little Uwharrie River near Flint Hill, N.C.	9- 8-66	42.9
1031	2-1232.93	Caraway Creek near New Market, N.C.....	9-14-62	b9.4
1032	2-1233	Caraway Creek near Flint Hill, N.C.....	9- 8-66	24.1
1033	2-1233.99	Caraway Creek near Farmer, N.C.....	9-14-62	b81
1034	2-1234.56	Barnes Creek near Uwharrie, N.C.....	9-21-61	23.2
1035	2-1234.79	Hogpen Branch near Uwharrie, N.C.....	9-21-61	.58
1036	2-1235.33	Spencer Creek at Uwharrie, N.C.....	9-21-61	7.42
1037	2-1235.66	Cedar Creek near Uwharrie, N.C.....	9-21-61	5.32
1038	2-1239.17	West Branch Rocky River near Corneli- us, N.C.	9-23-61	b14
1039	2-1239.53	Rocky River near Caldwell, N.C.....	9-25-61	b40
1040	2-1240.77	Ramah Creek near Huntersville, N.C.....	9-23-61	6.07
1041	2-1240.91	Clarke Creek at Pleasant Grove, N.C....	9-25-61	28.1
1042	2-1241.01	Rocky River near Pleasant Grove, N.C....	9-25-61	77.4

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B195

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
1.2	Lat 35°50'24", long 80°13'17", at bridge on U.S. Highway 70, $\frac{3}{4}$ mile above mouth and 1 mile northeast of Lexington, Davidson County.
.1	Lat 35°41'12", long 80°09'06", at bridge on Secondary Road 2357, 1.5 miles above Dry Branch and 3.4 miles southeast of Silver Hill, Davidson County.
.3	Lat 35°30'18", long 80°13'03", at bridge on Secondary Road 1004, 2.1 miles above mouth and 7.3 miles east of Gold Hill, Rowan County.
.2	Lat 35°48'10", long 80°03'10", at bridge on Secondary Road 1553, in Randolph County, $1\frac{1}{4}$ miles above Briar Creek and 2.8 miles south-east of Light.
.5	Lat 35°45'50", long 80°00'13", at bridge on Secondary Road 1405, 1 mile above mouth and 5 miles southwest of Flint Hill, Randolph County.
.3	Lat 35°48'30", long 79°54'40", at bridge on Secondary Road 1525, $2\frac{3}{4}$ miles southwest of New Market, Randolph County, and $7\frac{1}{4}$ miles above Little Caraway Creek.
3.7	Lat 35°46'10", long 79°54'20", at bridge on Secondary Road 1004, 2.5 miles southeast of Flint Hill, Randolph County, and 3.0 miles above Little Caraway Creek.
5.0	Lat 35°40'14", long 79°56'57", at bridge on Secondary Road 1193, 1 mile above Taylors Creek and 2 miles northeast of Farmer, Randolph County.
3.5	Lat 35°26'06", long 79°59'50", at bridge on Secondary Road 1303, 1 mile above mouth and $1\frac{1}{2}$ miles north of Uwharrie, Montgomery County.
.1	Lat 35°25'58", long 79°59'47", at bridge on Secondary Road 1303, 0.4 mile above mouth and 1.3 miles north of Uwharrie, Montgomery County.
.7	Lat 35°25'33", long 80°00'44", at bridge on State Highway 109, 0.2 mile above mouth and 0.9 mile northwest of Uwharrie, Montgomery County.
1.0	Lat 35°23'39", long 80°00'54", at bridge on Secondary Road 1150, 0.4 mile above mouth and 1.6 miles south of Uwharrie, Montgomery County.
2.7	Lat 35°28'15", long 80°47'31", at bridge on Secondary Road 2420, $1\frac{1}{2}$ miles above mouth and 4 miles east of Cornelius, Mecklenburg County.
11	Lat 35°27'18", long 80°45'43", at bridge on Secondary Road 1600, in Cabarrus County, 0.7 mile below West Branch and $4\frac{1}{2}$ miles east of Caldwell.
1.0	Lat 35°25'26", long 80°45'56", at bridge on Secondary Road 2426, 0.7 mile above mouth and 4- $\frac{1}{4}$ miles east of Huntersville, Mecklenburg County.
2.0	Lat 35°23'12", long 80°43'46", at bridge on Secondary Road 1440, 0.2 mile above mouth and $\frac{3}{4}$ mile northeast of Pleasant Grove, Cabarrus County.
10	Lat 35°22'59", long 80°43'15", at bridge on Secondary Road 1445, 0.6 mile below Clarke Creek and 1.1 miles east of Pleasant Grove, Cabarrus County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
1043	2-1241.3	Mallard Creek near Charlotte, N.C.....	10-14-61	20.7
1044	2-1241.46	Mallard Creek near Newell, N.C.....	9-25-61	26.4
1045	2-1241.94	Coddle Creek near Deweese, N.C.....	9-25-61	b26
1046	2-1242.73	Back Creek near Harrisburg, N.C.....	9-23-61	17.6
1047	2-1243.03	Reedy Creek near Harrisburg, N.C.....	9-23-61	16.1
1048	2-1243.27	Caldwell Creek near Rocky River, N.C...	9-23-61	5.47
1049	2-1243.37	Irish Buffalo Creek near Landis, N.C...	9-24-61	b5.3
1050	2-1243.77	Coldwater Creek near Landis, N.C.....	9-24-61	b6.8
1051	2-1243.79	Coldwater Creek tributary at Kannapolis, N.C.	9-24-61	b3.1
1052	2-1243.83	Threemile Branch near Kannapolis, N.C..	9-23-61	3.11
1053	2-1243.91	Little Coldwater Creek near Concord, N.C.	9-25-61	13.6
1054	2-1243.94	Coldwater Creek near Concord, N.C.....	9-25-61	b63
1055	2-1244.08	Hamby Branch near Georgeville, N.C.....	9-25-61	6.71
1056	2-1244.48	Little Buffalo Creek at N.C. 49 near Mount Pleasant, N.C.	9-22-56	b15.4
1057	2-1244.58	Dutch Buffalo Creek near Watts Crossroads, N.C.	9-24-61	b24
1058	2-1244.68	Black Run Creek near Watts Crossroads, N.C.	9-24-61	6.64
1059	2-1245	Dutch Buffalo Creek at Mount Pleasant, N.C.	9-24-61	64.1

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B197

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
890	Lat 35°19'05", long 80°44'15", at bridge on U.S. Highway 29, 0.1 mile above Toby Creek and $8\frac{3}{4}$ miles northeast of Charlotte, Mecklenburg County.
3.7	Lat 35°19'12", long 80°43'55", at bridge on Secondary Road 2833, 1/4 mile below Toby Creek and 2.8 miles north of Newell, Mecklenburg County.
8.5	Lat 35°28'58", long 80°42'58", at bridge on Secondary Road 1609, 1.7 miles northeast of Deweese, Cabarrus County, and 2.7 miles above Mill Creek.
1.0	Lat 35°18'37", long 80°36'17", at bridge on Secondary Road 1158, 0.8 mile above mouth and 3.2 miles east of school in Harrisburg, Cabarrus County.
3.0	Lat 35°16'48", long 80°38'46", at bridge on Secondary Road 1168, 1.5 miles above McKee Creek and 2.8 miles south of school in Harrisburg, Cabarrus County.
.2	Lat 35°16'06", long 80°35'32", at bridge on Secondary Road 1134, 2.7 miles south of Rocky River, Cabarrus County, and 3.0 miles above mouth.
2.6	Lat 35°32', long 80°39', at bridge on Secondary Road 1197 and 1.6 miles northeast of Enochville, Rowan County.
1.0	Lat 35°32', long 80°34', at bridge on Secondary Road 1221, 0.9 mile above Riles Creek and $2\frac{1}{2}$ miles southeast of Landis, Rowan County.
1.6	Lat 35°31', long 80°35', at bridge on Secondary Road 1238, $\frac{1}{2}$ mile above mouth and $2\frac{1}{2}$ miles southeast of Landis, Rowan County.
.5	Lat 35°26'26", long 80°35'30", at bridge on Secondary Road 2104, 3 miles southeast of Kannapolis, Cabarrus County, and 4.4 miles above mouth.
1.4	Lat 35°23'26", long 80°32'15", at bridge on Secondary Road 2635, 0.5 mile above mouth and 3.6 miles southeast of Post Office in Concord, Cabarrus County.
3.2	Lat 35°20'41", long 80°31'41", above U.S. Highway 601, 1 mile above Irish Buffalo Creek and $5\frac{1}{4}$ miles southeast of Concord, Cabarrus County.
.2	Lat 35°19'29", long 80°30'13", at bridge on State Highway 200, 0.1 mile above mouth and 2.5 miles west of Georgeville, Cabarrus County.
.....	Lat 35°26'02", long 80°23'56", at bridge on State Highway 49, 0.7 mile below Butcher Branch and $3\frac{1}{4}$ miles northeast of Mount Pleasant, Cabarrus County.
1.7	Lat 35°26'29", long 80°27'20", at bridge on Secondary Road 2427, 0.1 mile above Jennie Wolf Creek and 2.1 miles south of Watts Crossroads, Cabarrus County.
<.1	Lat 35°26'23", long 80°26'18", at bridge on Secondary Road 2416, 0.1 mile above mouth and 2.4 miles southeast of Watts Crossroads, Cabarrus County.
2.3	Lat 35°23'45", long 80°25'00", at bridge on State Highway 73, 1 mile east of Mount Pleasant, Cabarrus County, and $1\frac{3}{4}$ miles below Little Buffalo Creek.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
1060	2-1245.72	Dutch Buffalo Creek near Barriers..... Mill, N.C.	9-24-61	b93
1061	2-1246.21	Anderson Creek near Cabarrus, N.C.....	9-25-61	11.4
1062	2-1246.68	Clear Creek at Brief, N.C.....	9-22-61	22.3
1063	2-1246.92	Goose Creek at Fairview, N.C.....	9-22-61	23.0
1064	2-1247.42	Rocky River near Stanfield, N.C.....	9-21-61	624
1065	2-1247.78	Rock Hole Creek near Stanfield, N.C....	9-21-61	b10
1066	2-1247.89	Island Creek near Locust, N.C.....	9-21-61	2.92
1067	2-1247.94	Island Creek near Stanfield, N.C.....	9-21-61	b20
1068	2-1248.13	Rocky River near Oakboro, N.C.....	9-21-61	757
1069	2-1248.27	Long Creek near Richfield, N.C.....	9-21-61	12.3
1070	2-1248.35	Long Creek near Plyler, N.C.....	10-18-66	27.1
1071	2-1248.56	Town Creek at mouth at Albemarle, N.C..	9-22-56	9.89
1072	2-1248.61	Little Long Creek at Albemarle, N.C....	9-21-61	20.2
1073	2-1248.84	Long Creek near Albemarle, N.C.....	9-22-56	63.5
1074	2-1249.44	Little Bear Creek at Saint Martin, N.C.	9-21-61	12.5
1075	2-1249.98	Little Creek near Bloomington, N.C.....	9-21-61	7.13
1076	2-1250.52	Stony Run at Red Cross, N.C.....	9-21-61	8.40
1077	2-1251.22	Big Bear Creek near Aquadale, N.C.....	9-21-61	b96
1078	2-1251.32	Long Creek tributary No. 2 near Aquadale, N.C.	9-21-61	b2.0
1079	2-1252.02	Little Richardson Creek near Monroe, N.C.	9-22-61	b11

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B199

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
2.3	Lat 35°20'17", long 80°27'46", at bridge on Secondary Road 1132, 1 mile south of Barriers Mill, Cabarrus County, and 2½ miles above mouth.
.1	Lat 35°16'00", long 80°30'08", at bridge on U.S. Highway 601, 1 mile above mouth and 3.1 miles northeast of Cabarrus, Cabarrus County.
1.7	Lat 35°11'40", long 80°31'46", at bridge on U.S. Highway 601, 0.4 mile north of Brief, Union County, and 1.7 miles above mouth.
1.6	Lat 35°09'14", long 80°32'09", at bridge on U.S. Highway 601, 1 mile north of Fairview, Union County, and 2 miles above Duck Creek.
84	Lat 35°10', long 80°28', at bridge on Secondary Road 1140, 1.5 miles above Crooked Creek and 5-1/4 miles southwest of Stanfield, Stanly County.
.5	Lat 35°10', long 80°22', at bridge on Secondary Road 1122, 0.8 mile above mouth and 3.0 miles south of Stanfield, Stanly County.
.2	Lat 35°15'38", long 80°24'06", at culvert on State Highway 27, 1.4 miles east of Locust, Stanly County, and 2½ miles above Norfolk Southern Railway.
.1	Lat 35°12', long 80°22', at bridge on Secondary Road 1118, 1.4 miles above mouth and 3.9 miles southeast of Stanfield, Stanly County.
145	Lat 35°12', long 80°17', at bridge on Secondary Road 1970, 1.9 miles above Long Creek and 3½ miles southeast of Oakboro, Stanly County.
<.1	Lat 35°26'24", long 80°16'28", at bridge on Secondary Road 1134, 2.1 miles southwest of Richfield, Stanly County, and 9.7 miles above Little Long Creek.
.....	Lat 35°22'51", long 80°14'48", at bridge on Secondary Road 1401, 1 mile above Long Lake and 2-1/4 miles east of Plyler, Stanly County.
.5	Lat 35°22'00", long 80°11'55", at mouth and 1.0 mile north of Albemarle Post Office, Stanly County.
2.0	Lat 35°21'39", long 80°12'15", at bridge on Secondary Road 1409, at Albemarle, Stanly County, and 2 miles above mouth.
.....	Lat 35°19'30", long 80°13'00", 0.6 mile below Little Long Creek and 2 miles southwest of Albemarle, Stanly County.
.2	Lat 35°16'02", long 80°16'04", at bridge on Secondary Road 1968, 0.4 mile northeast of Saint Martin, Stanly County, and 0.6 mile above mouth.
.2	Lat 35°20'10", long 80°20'10", at mouth and 1.8 miles west of Bloomington, Stanly County.
.0	Lat 35°17'06", long 80°20'53", at bridge on Secondary Road 1227, 1-1/4 miles northeast of Red Cross, Stanly County, and 6.0 miles above mouth.
.4	Lat 35°14', long 80°16', 0.8 mile below Secondary Road 1969 at old bridge site, ¾ mile above mouth and 3 miles northwest of Aquadale, Stanly County.
.2	Lat 35°13', long 80°15', at bridge on Secondary Road 1953, 1/4 mile above mouth and 2 miles southwest of Aquadale, Stanly County.
.5	Lat 34°56', long 80°31', at bridge on Secondary Road 2107, 1.6 miles above mouth, and 3½ miles south of Monroe, Union County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
1080	2-1252.76	Flag Branch near Wingate, N.C.....	9-22-61	b13
1081	2-1254.82	Richardson Creek near Fairfield, N.C...	9-22-61	b160
1082	2-1255.78	Richardson Creek near Burnsville, N.C..	9-22-61	b220
1083	2-1255.91	Richardson Creek near Cottonville, N.C.	9-22-61	b240
1084	2-1256.36	Cribs Creek near Burnsville, N.C.....	9-22-61	b13
1085	2-1257.2	Lanes Creek at Sturduvants, N.C.....	4- 4-67	b56
1086	2-1258.92	Lanes Creek at Peachland, N.C.....	9-22-61	b93
1087	2-1259.06	Lanes Creek near Polkton, N.C.....	9-22-61	b110
1088	2-1259.51	Lanes Creek near Ansonville, N.C.....	9-22-61	b130
1089	2-1261.01	Hardy Creek near Cottonville, N.C.....	9-21-61	b17
1090	2-1264.42	Brown Creek near White Store, N.C.....	9-22-61	b17
1091	2-1274.61	Brown Creek near Ansonville, N.C.....	9-22-61	179
1092	2-1280.27	Hughs Creek near Troy, N.C.....	9-21-61	1.46
1093	2-1280.3	Densons Creek near Troy, N.C.....	9-21-61	30.3
1094	2-1280.66	Rocky Creek near Onville, N.C.....	9-21-61	29.2
1095	2-1280.83	Little River near Pekin, N.C.....	9-21-61	232
1096	2-1280.87	Thickety Creek near Pekin, N.C.....	8-29-57	7.01
1097	2-1280.91	Thickety Creek near Mount Gilead, N.C..	9-21-61	9.50
1098	2-1281.07	Big Town Creek at State Highway 731 near Mount Gilead, N.C.	9-21-61	2.10

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B201

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
<0.1	Lat 34°59', long 80°28', at bridge on U.S. Highway 74, 1/4 mile above Seaboard Air Line Railway and 1½ miles west of Wingate, Union County.
1.5	Lat 35°04', long 80°24', at bridge on Secondary Road 1649, 1-1/4 miles below Watson Creek and 1½ miles northwest of Fairfield, Union County.
.2	Lat 35°09', long 80°17', at bridge on Secondary Road 1459, 1/4 mile above Pine Log Creek and 3 miles northwest of Burnsville, Anson County.
.2	Lat 35°09', long 80°14', at bridge on Secondary Road 1600, ½ mile above mouth and 3¾ miles southwest of Cottonville, Stanly County.
<.1	Lat 35°08', long 80°13', at bridge on Secondary Road 1612, 1½ miles above mouth and 2¾ miles east of Burnsville, Anson County.
.....	Lat 34°55', long 80°21', at bridge on Secondary Road 1005, ½ mile above Barkers Branch and 1½ miles northwest of Sturdivants, Union County.
<.1	Lat 34°59', long 80°17', at bridge on U.S. Highway 74, 1 mile west of Peachland, Anson County, and 2¼ miles below Beaverdam Creek.
.1	Lat 35°02', long 80°14', at bridge on State Highway 218, 2 miles northwest of Polkton, Anson County, and 13 miles above mouth.
.1	Lat 35°08', long 80°12', at bridge on Secondary Road 1612, 1½ miles above mouth and 4¾ miles northwest of Ansonville, Anson County.
<.1	Lat 35°11', long 80°10', at bridge on Secondary Road 1934, 1 mile above mouth and 1¼ miles southeast of Cottonville, Stanly County.
.3	Lat 34°52', long 80°19', at bridge on Secondary Road 1229, 3 miles southwest of White Store, Anson County, and 5 miles above Black Jack Branch.
2.0	Lat 35°04'51", long 80°01'34", at bridge on Secondary Road 1634, 1.7 miles above mouth and 5.0 miles east of Ansonville, Anson County.
.1	Lat 35°23'40", long 79°52'00", 0.1 mile above reservoir and 2.8 miles north of Troy, Montgomery County.
2.4	Lat 35°23'12", long 79°52'06", at bridge on Secondary Road 1323, below Hughs Creek and 2.5 miles northeast of Troy, Montgomery County.
.3	Lat 35°16'53", long 79°54'43", at bridge on Secondary Road 1543, 0.5 mile above mouth and 2.6 miles west of Onville, Montgomery County.
13	Lat 35°13'25", long 79°54'51", at bridge on Secondary Road 1565, ½ mile above Thickety Creek and 2¼ miles northwest of Pekin, Montgomery County.
.4	Lat 35°14'27", long 79°53'38", at bridge on Secondary Road 1565, 1¾ miles above mouth and 2¾ miles northwest of Pekin, Montgomery County.
0	Lat 35°13'42", long 79°54'02", at culvert on Secondary Road 1565, 1.1 miles above mouth and 5.3 miles east of Mount Gilead, Montgomery County.
<.1	Lat 35°12'47", long 79°58'06", at bridge on State Highway 731, 1.6 miles east of Mount Gilead, Montgomery County, and 4.8 miles above Little Town Creek.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		PEE DEE RIVER BASIN--Continued		
1099	2-1281.12	Little Town Creek near Mount Gilead, N.C.	9-21-61	.92
1100	2-1282.83	Hamer Creek at Mount Gilead, N.C.....	9-21-61	.86
1101	2-1283.26	Hamer Creek near Covington, N.C.....	8-29-57	22.6
1102	2-1283.8	Buffalo Creek near Covington, N.C.....	8-23-57	10.9
1103	2-1284.18	Savannah Creek near Ingram, N.C.....	9-22-61	12.6
1104	2-1286.79	Smith Creek near Lilesville, N.C.....	9-21-61	10.1
1105	2-1295.38	Mill Creek near McFarlan, N.C.....	9-21-61	b17
1106	2-1302.42	Deadfall Creek near Wadesboro, N.C.....	9-22-61	b26
1107	2-1330	Deep Creek near Roseland, N.C.....	9- 8-66	20.0
		SANTEE RIVER BASIN		
1108	2-1395	Catawba River near Morganton, N.C.....	6-26-68	683
1109	2-1396.1	Hunting Creek at Morganton, N.C.....	8-15-67	8.26
1110	2-1411.24	Zacks Fork Creek at water intake near Lenoir, N.C.	8-16-67	b8.7
1111	2-1411.84	Blair Fork at Lenoir, N.C.....	8-16-67	6.91
1112	2-1411.9	Greasy Creek at Lenoir, N.C.....	8-16-67	4.40
1113	2-1415	Catawba River at Rhodhiss, N.C.....	7- 5-68	b1,090
1114	2-1425.31	Ball Creek near Long Island, N.C.....	10-14-61	b16
1115	2-1425.34	Terrapin Creek near Monbo, N.C.....	10-14-61	b6.9
1116	2-1425.87	Mountain Creek near Catawba, N.C.....	10-14-61	b23
1117	2-1426.22	Davidson Creek at Mount Mourne, N.C....	8-28-57	b16

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B203

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
0	Lat 35°12'22", long 79°57'11", at bridge on State Highway 731, 2.1 miles above mouth and 2.7 miles east of Mount Gilead, Montgomery County.
<.1	Lat 35°12'50", long 79°58'57", at bridge on State Highway 731, 1.0 mile east of Mount Gilead, Montgomery County, and 3.2 miles above Big Wolf Branch.
.1	Lat 35°08'03", long 79°55'11", at bridge on Secondary Road 1155, 0.5 mile above mouth and 4.0 miles west of Covington, Richmond County.
1.4	Lat 35°08'27", long 79°53'29", at bridge on State Highway 73, 1.3 miles above mouth and 2.1 miles west of Covington, Richmond County.
.3	Lat 35°04'22", long 79°55'43", at bridge on Secondary Road 1704, 1.3 miles above mouth and 2.0 miles south of Ingram, Anson County.
2.9	Lat 34°59'44", long 79°55'19", at bridge on Secondary Road 1744, 0.3 mile above mouth and 4 miles northeast of Lilesville, Anson County.
4.4	Lat 34°51', long 79°55', at bridge on Secondary Road 1826, 1 mile above mouth and 4½ miles northeast of McFarlan, Anson County.
<.1	Lat 34°50', long 80°12', at bridge on State Highway 109, 1-1/4 miles below Shaw Creek and 11½ miles southwest of Wadesboro, Anson County.
11	Lat 35°07'23", long 79°32'34", at bridge on Secondary Road 1113, 2 miles southwest of Roseland, Moore County, and 3 miles above mouth.
.....	Lat 35°46'19", long 81°41'24", at bridge on State Highway 18, 600 ft below Warrior Fork, 2 miles north of Morganton, Burke County, and 258 miles upstream from mouth of Wateree River.
.....	Lat 35°44'17", long 81°40'45", above bridge on College Street, 0.6 mile southeast of Courthouse in Morganton, Burke County, and 1.6 miles above East Prong.
.....	Lat 35°56'00", long 81°31'29", at bridge on Secondary Road 1531, 1.5 miles northeast of Lenoir, Caldwell County, and 2.6 miles above mouth.
.....	Lat 35°55'39", long 81°32'39", at bridge, at Lenoir, Caldwell County, 0.1 mile below Long Branch and 0.9 mile north of courthouse.
.....	Lat 35°54'21", long 81°34'00", at bridge on Secondary Road 1310, 1.3 miles above mouth, and 1.6 miles southwest of courthouse in Lenoir, Caldwell County.
.....	Lat 35°46', long 81°26', at bridge on Rhodhiss Road at Rhodhiss, Caldwell County, and 1/4 mile below Rhodhiss Dam. 242 miles upstream from mouth of Wateree River.
4.0	Lat 35°41', long 81°01', at bridge on Secondary Road 1819, 1½ miles northwest of Long Island, Catawba County, and 2 miles above mouth.
2.4	Lat 35°39', long 80°59', at bridge on Secondary Road 1835, 1 mile above mouth and ½ mile south of Monbo, Catawba County.
8.0	Lat 35°36', long 81°01', at bridge on Secondary Road 1849, 2 miles below South Fork and 8½ miles southeast of Catawba, Catawba County.
2.1	Lat 35°33', long 80°54', at bridge on Secondary Road 1111, 2-1/4 miles west of Mount Mourne, Iredell County, and 6-1/4 miles above mouth.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		SANTEE RIVER BASIN--Continued		
1118	2-1426.44	Ramsey Creek near Caldwell, N.C.....	10-14-61	5.28
1119	2-1426.86	Reed Creek near Pumpkin Center, N.C....	10-13-61	b2.9
1120	2-1426.89	Leepers Creek near Iron Station, N.C...	10-14-61	b23
1121	2-1426.9	Leepers Creek near Lowesville, N.C.....	6-23-59	b53
1122	2-1426.99	Wingate Creek near Triangle, N.C.....	10-14-61	b7.5
1123	2-1427.07	Forney Creek near Triangle, N.C.....	10-14-61	b7.8
1124	2-1427.6	Stanley Creek near Mount Holly, N.C....	8-27-57	b10
1125	2-1427.96	Dutchmans Creek at water plant near Mount Holly, N.C.	8-27-57	b140
1126	2-1428.82	Long Creek near Huntersville, N.C.....	10-14-61	9.74
1127	2-1429.14	Gum Branch near Thrift, N.C.....	10-13-61	5.39
1128	2-1429.61	Paw Creek near Charlotte, N.C.....	10-13-61	13.6
1129	2-1429.83	Henry Fork at Morganton water intake near Morganton, N.C	8-19-63	4.52
1130	2-1429.86	Henry Fork near Enola, N.C.....	8-19-63	13.2
1131	2-1430.44	Rock Creek near Ramsey, N.C.....	8-19-63	4.51
1132	2-1430.45	Rock Creek near Hickory, N.C.....	8-19-63	6.45
1133	2-1430.52	Camp Creek tributary near Probst Crossroads, N.C.	8-19-63	b1.0
1134	2-1430.72	Pott Creek at Plateau, N.C.....	8-19-63	b5.6
1135	2-1430.73	Haas Creek near Blackburn, N.C.....	8-19-63	b2.8

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B205

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
1.0	Lat 35°26'46", long 80°55'37", at bridge on Secondary Road 2149, 1.6 miles above mouth and 5.5 miles west of Caldwell, Mecklenburg County.
1.2	Lat 35°28'20", long 81°07'10", at bridge on State Highway 273, 1/4 mile above mouth and 3-1/4 miles southeast of Pumpkin Center, Lincoln County.
19	Lat 35°26'30", long 81°06'20", at bridge on Secondary Road 1360, 1 mile below Dellinger Branch and 3 miles east of Iron Station, Lincoln County.
24	Lat 35°24'50", long 81°03'40", at bridge on Secondary Road 1412, 2-3/4 miles west of Lowesville, Lincoln County, and 3 miles above mouth.
2.0	Lat 35°29'30", long 80°04'30", at bridge on Secondary Road 1382, 1/2 mile above Ballard Creek and 4 1/2 miles west of Triangle, Lincoln County.
2.0	Lat 35°26'50", long 81°00'40", at bridge on Secondary Road 1386, 1 1/2 miles above mouth and 2 1/2 miles southwest of Triangle, Lincoln County.
1.3	Lat 35°20'20", long 81°01'20", at bridge on Secondary Road 1934, 1/2 mile above mouth and 3 miles north of Mount Holly, Gaston County.
24	Lat 35°18'00", long 81°00'20", at Mount Holly, Gaston County, above mouth.
.6	Lat 35°20'41", long 80°53'03", at bridge on Secondary Road 2074, 1.4 miles below Dixon Branch and 5.1 miles southwest of Huntersville, Mecklenburg County.
.1	Lat 35°17'57", long 80°56'48", at bridge on Secondary Road 1775, 0.6 mile above mouth and 1.7 miles northwest of Thrift, Mecklenburg County.
2.5	Lat 35°13'57", long 80°58'57", at bridge on Dowd Road, 0.4 mile below Ticer Branch and 4 1/2 miles east of Charlotte, Mecklenburg County.
2.7	Lat 35°37'23", long 81°42'16", at dam, 0.2 mile above He Creek and 8.3 miles south of Morganton, Burke County.
9.3	Lat 35°35'31", long 81°39'43", at bridge on Secondary Road 1919 above Ivy Creek and 1.6 miles southwest of Enola, Burke County.
2.7	Lat 35°36'40", long 81°31'10", at bridge on Secondary Road 1907, 0.2 mile below Whittier Creek and 3.1 miles northeast of Ramsey, Burke County.
4.8	Lat 35°35'59", long 81°30'15", at bridge on State Highway 18 and 13 miles southwest of Hickory, Catawba County.
.7	Lat 35°38', long 81°25', at culvert on Secondary Road 1120, 1/4 mile above mouth and 3 3/4 miles west of Probst Crossroads, Catawba County.
3.0	Lat 35°36', long 81°21', at bridge on Secondary Road 2036, 1/2 mile north of Plateau, Catawba County, and 2 miles above Sampson Creek.
1.4	Lat 35°36', long 81°19', at bridge on Secondary Road 2024, 1/2 mile above mouth and 2 miles south of Blackburn, Catawba County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		Santee River Basin--Continued		
1136	2-1430.74	Pott Creek near Blackburn, N.C.....	8-19-63	b15
1137	2-1430.86	Howards Creek near Vale, N.C.....	8-19-63	b9.9
1138	2-1430.87	Howards Creek tributary at Reepsville, N.C.	8-19-63	b1.8
1139	2-1430.88	Howards Creek tributary No. 2 at Reepsville, N.C.	8-19-63	b3.2
1140	2-1430.89	Howards Creek near Lincolnton, N.C.....	8-27-57	b25
1141	2-1430.91	Rockdam Creek near Lincolnton, N.C.....	8-19-63	b2.9
1142	2-1432.47	Walker Branch at Lincolnton, N.C.....	8-19-63	b4.7
1143	2-1434.03	Indian Creek near Cat Square, N.C.....	8-19-63	b5.8
1144	2-1434.23	Little Indian Creek near Cat Square, N.C.	8-19-63	b11
1145	2-1434.47	Mill Creek near Flay, N.C.....	8-19-63	b6.5
1146	2-1434.51	Lick Fork near Cherryville, N.C.....	8-27-57	b2.9
1147	2-1434.81	Indian Creek near Crouse, N.C.....	8-27-57	b49
1148	2-1436.81	South Fork Catawba River at High Shoals, N.C.	8-28-57	b510
1149	2-1437.21	South Fork Catawba River at Hardins, N.C.	10-31-61	b510
1150	2-1438.44	Mauney Creek near Stanley, N.C.....	8-27-57	b2.7
1151	2-1438.87	Hoyle Creek near Dallas, N.C.....	8-27-57	b28
1152	2-1447.61	Long Creek at Spencer Mountain, N.C....	8-27-57	b61
1153	2-1453.36	South Fork Catawba River at Cramerton, N.C.	4-16-54	b650
1154	2-1455.62	Abernathy Creek at Mountain View, N.C..	8-27-57	b7.2
1155	2-1455.74	Bessemer Branch near Gastonia, N.C.....	10-14-61	b1.2
1156	2-1455.81	Crowders Creek near Mountain View, N.C.	8-27-57	b24

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B207

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
16	Lat 35°34', long 81°19', at bridge on Secondary Road 2023, $\frac{3}{4}$ mile above Rhodes Mill Creek and $3\frac{1}{2}$ miles south of Blackburn, Catawba County.
6.7	Lat 35°31', long 81°23', at bridge on Secondary Road 1197, $2\frac{1}{2}$ miles south of Vale, Lincoln County, and 7-1/4 miles above mouth.
1.6	Lat 35°31', long 81°20', at culvert on Secondary Road 1113, 1/4 mile above mouth and $\frac{1}{2}$ mile east of Reepsville, Lincoln County.
2.0	Lat 35°31', long 81°20', at bridge on Secondary Road 1113, $\frac{1}{2}$ mile east of Reepsville, Lincoln County, and $1\frac{1}{2}$ miles above mouth.
6.8	Lat 35°29'40", long 81°19'20", at bridge on Secondary Road 1185, 1.9 miles above Rockdam Creek and 4.2 miles northwest of Lincolnton, Lincoln County.
2.0	Lat 35°28'20", long 81°18'10", at bridge on State Highway 27, $1\frac{1}{2}$ miles above mouth and $2\frac{3}{4}$ miles west of Lincolnton, Lincoln County.
2.1	Lat 35°29'10", long 81°15'20", $\frac{3}{4}$ mile above mouth and 1 mile north of Lincolnton, Lincoln County.
2.7	Lat 35°31', long 81°25', at bridge on Secondary Road 1129, 1/4 mile above Little Indian Creek and 2 miles south of Cat Square, Lincoln County.
6.2	Lat 35°31', long 81°25', at bridge on Secondary Road 1129, 1/4 mile above mouth and 2 miles south of Cat Square, Lincoln County.
2.3	Lat 35°25'30", long 81°23'50", at bridge on Secondary Road 1168, $\frac{3}{4}$ mile above mouth and 4 miles southeast of Flay, Lincoln County.
2.3	Lat 35°24'20", long 81°22'50", at bridge on Secondary Road 1638, $1\frac{1}{2}$ miles above mouth and $1\frac{3}{4}$ miles north of Cherryville, Gaston County.
20	Lat 35°24'50", long 81°20'40", at bridge on Secondary Road 1002, in Gaston County, $1\frac{3}{4}$ miles above Leonard Fork and 2-1/4 miles southwest of Crouse.
223	Lat 35°23'40", long 81°12'00", 1/4 mile below Sulphur Branch and $\frac{1}{2}$ mile south of High Shoals, Gaston County.
.....	Lat 35°23'00", long 81°11'10", below dam at Hardins, Gaston County, and $\frac{3}{4}$ mile above Rattle Shoals Creek.
.....	Lat 35°21'20", long 81°07'00", at bridge on Secondary Road 1823, 1-1/4 miles west of Stanley, Gaston County, and $1\frac{1}{2}$ miles above mouth.
5.7	Lat 35°20'10", long 81°08'00", at bridge on Secondary Road 1836, 1/4 mile above mouth and $2\frac{3}{4}$ miles northeast of Dallas, Gaston County.
8.1	Lat 35°18'30", long 81°07'00", at bridge 1/4 mile above mouth, $\frac{1}{2}$ mile west of Spencer Mountain, Gaston County.
.....	Lat 35°13'40", long 81°04'20", $\frac{1}{2}$ mile below Duharts Creek, $\frac{1}{2}$ mile south of Cramerton, Gaston County.
2.4	Lat 35°15'20", long 81°16'10", at culvert on U.S. Highway 29, at Mountain View, Gaston County, and 0.1 mile above mouth.
1.2	Lat 35°16'00", long 81°15'00", at bridge on U.S. Highway 29, 1/4 mile above mouth and 4 miles west of Gastonia, Gaston County.
6.0	Lat 35°14'02", long 81°13'59", at bridge on Linwood Road, 3 miles above Ferguson Branch and 3-1/4 miles east of Mountain View, Gaston County.

B208 QUALITY OF SURFACE WATERS OF NORTH CAROLINA

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		SANTEE RIVER BASIN--Continued		
1157	2-1455.87	South Fork Crowders Creek tributary near Crowders, N.C.	10-13-61	b3.3
1158	2-1455.88	South Fork Crowders Creek tributary No. 2 near Crowders, N.C.	10-13-61	b5.3
1159	2-1455.93	South Fork Crowders Creek near Crowders, N.C.	8-27-57	b25
1160	2-1462.61	Stewart Creek near Charlotte, N.C.....	8-27-57	2.65
1161	2-1463.3	Sugar Creek near Charlotte, N.C.....	10-13-61	43.7
1162	2-1463.64	Kings Branch near Charlotte, N.C.....	10-14-61	2.63
1163	2-1464.68	Little Hope Creek tributary at Charlotte, N.C.	8-28-57	.15
1164	2-1467.8	Steel Creek near Shopton, N.C.....	4- 3-67	b5.2
1165	2-1468.58	Sixmile Creek near Pineville, N.C.....	10-13-61	b21
1166	2-1468.88	East Fork Twelve Mile Creek tribu- tary near Mineral Springs, N.C.	9-23-61	b11
1167	2-1468.96	West Fork Twelve Mile Creek near Marvin, N.C.	10-13-61	b14
1168	2-1468.97	West Fork Twelve Mile Creek near Waxhaw, N.C.	10-13-61	b22
1169	2-1471.23	Waxhaw Creek near Jackson, N.C.....	10-13-61	b13
1170	2-1471.24	Waxhaw Creek tributary near Waxhaw, N.C.	9-22-61	b1.4
1171	2-1500.36	Little White Oak Creek near Columbus, N.C.	9-27-63	11.1
1172	2-1500.52	Greens Creek near Cox Store, N.C.....	8-27-63	b7.3
1173	2-1500.62	Green River near Green River, N.C.....	6-28-68	b240
1174	2-1521.53	Wards Creek near Casar, N.C.....	8-27-63	14.5
1175	2-1524.41	Little Knob Creek near Casar, N.C.....	8-27-63	8.41

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B209

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
0.1	Lat 35°10'20", long 81°16'30", at bridge on Secondary Road 1103, $\frac{3}{4}$ mile above mouth and 4 miles west of Crowders, Gaston County.
1.5	Lat 35°10'40", long 81°16'20", at bridge on Secondary Road 1103, $\frac{1}{4}$ mile above Crowders Creek tributary and $3\frac{3}{4}$ miles west of Crowders, Gaston County.
.....	Lat 35°09'51", long 81°13'55", at bridge 2 miles southwest of Crowders, Gaston County, $2\frac{1}{2}$ miles above mouth.
.1	Lat 35°16'33", long 82°52'01", at bridge on Secondary Road 1718, 2 miles above State Highway 16, at Charlotte, Mecklenburg County, and 4.1 miles above mouth.
.....	Lat 35°08'21", long 80°54'41", at bridge on Arrowood Road, 1.0 mile above Coffey Creek and 7.4 miles southwest of Charlotte, Mecklenburg County.
.3	Lat 35°08'12", long 80°53'11", at bridge on Secondary Road 1138, 2.0 miles above mouth and 7.4 miles south of Charlotte, Mecklenburg County.
<.1	Lat 35°10'20", long 80°52'20", 2.3 miles above mouth, and 4.2 miles southwest of Charlotte, Mecklenburg County.
.....	Lat 35°07'20", long 80°57'10", at bridge on Secondary Road 1344, 2.0 miles above Walker Branch, and 3.5 miles south of Shopton, Mecklenburg County.
.2	Lat 35°00'40", long 80°49'40", at bridge on Secondary Road 3635, 2 miles below Flat Branch and 6- $\frac{1}{4}$ miles southeast of Pineville, Mecklenburg County.
<.1	Lat 34°58', long 80°42', at bridge on Secondary Road 1328, $\frac{1}{2}$ mile above mouth and $2\frac{1}{2}$ miles northwest of Mineral Springs, Union County.
.2	Lat 34°59', long 80°44', at bridge on Secondary Road 1315, $2\frac{3}{4}$ miles above mouth and $4\frac{1}{2}$ miles east of Marvin, Union County.
.4	Lat 34°57', long 80°45', at bridge on Secondary Road 1321, $\frac{1}{2}$ mile above mouth and $2\frac{1}{2}$ miles north of Waxhaw, Union County.
<.1	Lat 34°53', long 80°43', at bridge on Secondary Road 1117, 1- $\frac{1}{4}$ miles northwest of Jackson, Union County, and 12- $\frac{1}{4}$ miles above mouth.
.1	Lat 34°50', long 80°47', at mouth and $6\frac{3}{4}$ miles southwest of Waxhaw, Union County.
9.1	Lat 35°17'14", long 82°05'57", at bridge on Secondary Road 1330, 0.4 mile above mouth and 6.1 miles northeast of Columbus, Polk County.
6.4	Lat 35°15'07", long 82°01'30", at bridge on Secondary Road 1362, 0.5 mile above mouth and 1.7 miles southeast of Cox Store, Polk County.
177	Lat 35°16', long 81°59', at bridge on Secondary Road 1302, 1 mile above mouth and 4 miles east of Green River, Polk County.
7.4	Lat 35°29'55", long 81°38'43", at bridge on Secondary Road 1533, 2 miles southwest of Casar, Cleveland County, and $2\frac{1}{2}$ miles above mouth.
5.6	Lat 35°28'58", long 81°34'35", at bridge on Secondary Road 1635, 1.5 miles above Big Knob Creek and 3.1 miles southeast of Casar, Cleveland County.

B210 QUALITY OF SURFACE WATERS OF NORTH CAROLINA

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		SANTEE RIVER BASIN--Continued		
1176	2-1525.96	First Broad River near Earl, N.C.....	6-25-68	292
1177	2-1533.77	Buffalo Creek near Earl, N.C.....	1-15-59	b160
1178	2-1534.56	Buffalo Creek near Grover, N.C.....	6-25-58	b170
		SAVANNAH RIVER BASIN		
1179	2-1842.6	Whitewater River near Cashiers, N.C....	10-16-67	12.9
		KANAWHA RIVER BASIN		
1180	3-1621.89	North Fork New River at Bina, N.C.....	5-21-53	146
1181	3-1628.5	New River at Amelia, N.C.....	6-25-68	b820
		TENNESSEE RIVER BASIN		
1182	3-4410.8	Turkey Creek near Pisgah Forest, N.C...	9-27-67	5.55
1183	3-4420	Crab Creek near Penrose, N.C.....	6- 2-55	10.9
1184	3-4437.65	Shaw Creek at Horseshoe, N.C.....	9-27-67	7.14
1185	3-4447.5	South Fork Mills River near Pisgah Forest, N.C.	5-19-60	21.3
1186	3-4455.5	North Fork Mills River near Mills River, N.C.	5-20-60	24.0
1187	3-4475.8	Hooper Creek near Fletcher, N.C.....	9-27-67	15.5
1188	3-4484.1	South Hominy Creek at Candler, N.C.....	5-18-60	38.3
1189	3-4516.9	Newfound Creek near Alexander, N.C.....	5-18-60	34.2
1190	3-4521.26	Corner Rock Creek near Barnardsville, N.C.	6-19-53	3.72
1191	3-4522.56	Walker Branch near Barnardsville, N.C.	6-19-53	4.27

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B211

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
240	Lat 35°13'00", long 81°37'40", at bridge on Secondary Road 1140, 3 miles above mouth, $4\frac{3}{4}$ miles northwest of Earl, Cleveland County.
.....	Lat 35°12'00", long 81°29'10", at bridge on State Highway 226, 1 mile below Beason Creek and $2\frac{3}{4}$ miles east of Earl, Cleveland County.
.....	Lat 35°10'20", long 81°31'00", at bridge on State Highway 198, 0.1 mile above State line and 4 miles west of Grover, Cleveland County.
.....	Lat 35°02'13", long 83°01'10", at bridge on Secondary Road 1177, above Upper Falls and 6.4 miles southeast of Cashiers, Jackson County.
.....	Lat 36°29', long 81°29', 1/4 mile southeast of Bina, Ashe County, 1/4 mile above Horse Creek.
1,020	Lat 36°33', long 81°11', at bridge on Secondary Road 1345, 0.8 mile below Rock Creek and 1.3 miles northeast of Amelia, Alleghany County.
12	Lat 35°16'25", long 82°42'06", at bridge on Secondary Road 1511, 0.1 mile above mouth and 1.3 miles north of Pisgah Forest, Transylvania County.
19	Lat 35°14'02", long 82°36'39", 0.3 mile below Swords Branch and 3.0 miles southeast of Penrose, Transylvania County.
6.3	Lat 35°20'34", long 82°33'04", at bridge on U.S. Highway 64, at Horseshoe, Henderson County, and 0.4 mile above mouth.
51	Lat 35°20'35", long 82°39'52", below foot bridge, 1.6 miles below Poundingmill Branch and 6.4 miles northeast of Pisgah Forest, Transylvania County.
49	Lat 35°23'38", long 82°37'00", at bridge on Secondary Road 1343, 0.4 mile above mouth and 2.5 miles west of Mills River, Henderson County.
12.3	Lat 35°25'54", long 82°28'34", at ford off end of east-west runway, at Asheville-Hendersonville Airport, 1.0 mile above mouth and $1\frac{1}{2}$ miles east of Fletcher, Henderson County.
53	Lat 35°32'08", long 82°41'32", at bridge on State Highway 112, at Candler, Buncombe County, and above mouth.
23	Lat 35°39'58", long 82°38'04", at bridge on Secondary Road 1641, 0.9 mile above mouth and 2.6 miles southwest of Alexander, Buncombe County.
2.2	Lat 35°45'20", long 82°23'12", above Walker Branch and 5.0 miles southeast of Barnardsville, Buncombe County.
3.2	Lat 35°45'18", long 82°23'11", above Corner Rock Creek and 4.2 miles southeast of Barnardsville, Buncombe County.

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		TENNESSEE RIVER BASIN--Continued		
1192	3-4529.2	Bull Creek near Mars Hill, N.C.....	10-23-67	23.0
1193	3-4537.7	Big Pine Creek at Barnard, N.C.....	10-23-67	16.6
1194	3-4539.9	Shelton Laurel Creek near Stackhouse, N.C.	10-23-67	54.7
1195	3-4573.32	Richland Creek above Hyatt Creek at Hazelwood, N.C.	11- 7-52	10.9
1196	3-4586.2	Crabtree Creek at Crabtree, N.C.....	10-23-67	25.8
1197	3-4586.9	Campbell Creek at Maggie, N.C.....	10-16-67	8.28
1198	3-4597.7	Fines Creek at Hepco, N.C.....	10-23-67	25.8
1199	3-4599.85	Mossy Branch near Cataloochee, N.C.....	9- 1-66	.83
1200	3-4599.9	Caldwell Fork at Cataloochee, N.C.....	8- 2-66	15.8
1201	3-4601.66	Cataloochee Creek at Cataloochee, N.C..	11- 1-62	57.7
1202	3-5066.66	Alarka Creek near Bryson City, N.C.....	7-21-58	27.2
1203	3-5074.95	Pine Creek near Glenville, N.C.....	10-16-67	6.92
1204	3-5082.4	Caney Fork at East Laport, N.C.....	10-16-67	51.2
1205	3-5106.75	Collins Creek near Smokemont, N.C.....	7-28-66	3.65
1206	3-5107.3	Carver Branch near Smokemont, N.C.....	7-27-66	.48
1207	3-5107.35	Carver Branch tributary near Smoke- mont, N.C.	7-27-66	.12
1208	3-5113.6	Soco Creek near Cherokee, N.C.....	6-18-59	45.0
1209	3-5121.8	Cooper Creek at mouth near Bryson City, N.C.	9- 1-53	7.10
1210	3-5127.34	Juney Whank Branch near Bryson City, N.C.	7-28-66	.56
1211	3-5134.65	Lands Creek near Bryson City, N.C.....	7-13-54	2.52
1212	3-5150	Little Tennessee River at Fontana Dam, N.C.	6-17-55	1,571

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B213

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
.....	Lat 35°47'41", long 82°36'44", at mouth and 4.2 miles southwest of Mars Hill, Madison County.
.....	Lat 35°50'18", long 82°45'25", at bridge on Secondary Road 1155, at mouth and 0.4 mile southwest of Barnard, Madison County.
.....	Lat 35°55'24", long 82°45'08", at mouth, at bridge on State Highway 208 and 3.1 miles north of Stackhouse, Madison County.
15	Lat 35°27'50", long 83°00'40", 0.1 mile above Hyatt Creek and ½ mile south of Hazelwood, Haywood County.
.....	Lat 35°36'00", long 82°56'55", 0.2 mile above mouth and 0.6 mile west of Crabtree, Haywood County.
8.5	Lat 35°31'04", long 83°05'50", at bridge on U.S. Highway 19, at Maggie, Haywood County, 0.1 mile above mouth.
14	Lat 35°40'20", long 82°59'25", at bridge on Secondary Road 1338, 0.5 mile above mouth and 0.5 mile north of Hepco, Haywood County.
.3	Lat 35°37'41", long 83°05'56", at culvert on Government Road, above mouth and 1.3 miles southwest of Cataloochee, Haywood County.
.....	Lat 35°37'50", long 83°05'12", at mouth and 0.6 mile southwest of Cataloochee, Haywood County.
35	Lat 35°40'06", long 83°04'20", 100 ft below Little Cataloochee Creek and 2.2 miles north of Cataloochee, Haywood County.
44	Lat 35°23'30", long 83°29'17", at bridge on Secondary Road 1309, 0.2 mile below Robinson Gap Branch and 3.4 miles southwest of Bryson City, Swain County.
.....	Lat 35°11'10", long 83°10'41", at bridge on Secondary Road 1145, below Little Pine Creek and 2.9 miles west of Glenville, Jackson County.
.....	Lat 35°17'50", long 83°08'44", at bridge on State Highway 107, at East Lopot, Jackson County, and 0.1 mile above mouth.
.....	Lat 35°34'01", long 83°20'05", at culvert on U.S. Highway 441, above mouth and 1.7 miles northwest of Smokemont, Swain County.
.3	Lat 35°33'60", long 83°18'25", along private road, 0.1 mile above mouth, and 0.9 mile north of Smokemont, Swain County.
.1	Lat 35°33'56", long 83°18'26", at private road, above mouth and 0.9 mile north of Smokemont, Swain County.
59	Lat 35°27'42", long 83°19'09", at bridge on U.S. Highway 441, in Jackson County, 0.6 mile above mouth and 1.0 mile south of Cherokee.
4.4	Lat 35°27'11", long 83°23'33", at culvert on U.S. Highway 19 at mouth and 3.5 miles northeast of Bryson City, Swain County.
.2	Lat 35°28'00", long 83°26'10", 0.2 mile above mouth, and 2.5 miles north of Bryson City, Swain County.
1.6	Lat 35°28'01", long 83°28'01", at Long Branch and 3.0 miles northwest of Bryson City, Swain County.
.....	Lat 35°26'45", long 83°48'20", 0.2 mile above Walker Branch and 0.4 mile below Fontana Dam, Graham County, and at mile 60.5.

B214 QUALITY OF SURFACE WATERS OF NORTH CAROLINA

Table 5.--Description of sites at which only one

No. on Pl. 2	Station No.	Station name	Date	Drainage area (sq mi)
		TENNESSEE RIVER BASIN--Continued		
1213	3-5175.33	Little Tennessee River at Tapoco, N.C.	5-21-68	1,823
1214	3-5460	Shooting Creek near Hayesville, N.C....	6- 9-55	37.6
1215	3-5483.3	Brasstown Creek at Brasstown, N.C.....	5-19-60	83.1
1216	3-5499.39	Colvard Creek at U.S. Highway 19 at Tomotla, N.C.	10- 5-54	3.23
1217	3-5555	Hiwassee River at Apalachia Dam, N.C...	5-20-68	1,018

a Indeterminate.

b Approximate.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B215

sample was collected for chemical analysis--Continued

Discharge (cfs)	Location
.....	Lat 35°27'01", long 83°56'31", at bridge on U.S. Highway 129, 0.2 mile below Cheoah River, and 0.4 mile north of Tapoco, Graham County.
.....	Lat 35°01'29", long 83°42'27", 400 ft below Hothouse Branch, 6.5 miles east of Hayesville, Clay County.
87	Lat 35°02'24", long 83°57'34", at bridge on Secondary Road 1604, in Cherokee County, 0.1 mile northwest of Brasstown and 0.8 mile above mouth.
.7	Lat 35°08'47", long 83°58'15", at bridge on U.S. Highway 19, 0.2 mile above mouth and 1.3 miles northeast of Tomotla, Cherokee County.
.....	Lat 35°10'04", long 84°17'49", at Apalachia Dam, Cherokee County, and 0.1 mile above NC-Tenn state line, at river mile 66.0.

Table 6.-Chemical analyses of water from sites at which only one sample was collected
[Chemical constituents shown in milligrams per liter, except specific conductance, pH, and color]

No. on pl. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium Non-carbonate	Specific conductance (Microhm at 25°C)	pH	Color	
638	DISMAL SWAMP BASIN Folly Swamp near Sunbury, N.C.....	8- 6-57	....	.....	5.2	2.1	5.1	6.0	42	0.1	7.5	....	1.4	.....	.....	22	0	100	6.4	....
639	PASQUOTANK RIVER BASIN Newland Canal at Lynchs Corner, N.C.....	8-16-61	17	2.7	7.1	2.6	12	1.8	28	4.8	13	0.6	2.3	.....	78	6	92	5.4	750	
640	Newland Canal near Lynchs Corner, N.C.....	6-16-61	18	2.2	6.3	2.2	9.3	2.1	12	3.4	14	.3	4.3	.....	68	24	14	97	5.3	600
641	Pasquotank River near South Mills, N.C.....	8- 8-57	....	.....	....	....	10	1.2	8	14	14	....	3.7	.....	.....	21	14	100	5.2	....
642	Sawyers Creek at Hastings Corner, N.C.....	8-16-61	5.8	.06	9.6	3.5	6.5	2.8	34	5.0	8.4	.2	4.0	.....	63	38	116	6.2	60	
643	CHOMAN RIVER BASIN Cypress Creek at Margaretsville, N.C.....	8-16-61	13	.44	4.8	2.1	3.8	1.9	18	11	3.8	.1	1.1	.....	51	21	56	7.3	90	
644	Meherrin River tributary near Como, N.C.....	8-16-61	13	.09	6.9	3.1	7.0	2.2	17	9.4	11	.1	7.0	.....	68	30	108	6.2	25	
645	Rogers Swamp near Galatia, N.C.....	8-16-61	13	.30	4.6	2.2	6.6	1.7	28	6.8	4.0	.1	1.0	.....	54	20	0	74	6.4	75
646	Kirbys Creek near Murfreesboro, N.C.....	8-16-61	47	.11	7.9	2.0	14	2.1	40	3.6	6.0	.1	2.9	.....	112	28	0	110	8.7	80
647	Liverman Creek near Como, N.C.....	8-16-61	8.9	.01	16	6.1	5.5	2.5	10	41	12	.1	11	.....	108	65	57	180	6.0	5
648	Ramsey Creek near Jackson, N.C.....	7-22-57	18	.08	4.4	2.2	5.7	2.0	2	23	9.5	.0	.3	.....	66	20	18	82	5.3	10
649	Catahachie Creek near St. John, N.C.....	8- 3-57	....	.....	5.9	2.7	5.3	2.6	34	4.4	4.7	....	.7	.....	....	26	0	87	6.1	....
650	Potomac Creek near Mapleton, N.C.....	8-16-61	9.8	.20	5.3	1.3	3.6	1.0	20	2.6	4.6	.1	2.5	.....	41	18	2	62	6.5	30
651	Horse Swamp near Halls, N.C.....	8-16-61	50	.56	7.9	3.4	14	1.7	52	4.4	12	.2	3	0.10	120	34	0	135	6.9	45
652	Chinkapin Creek near Colerain, N.C.....	7-23-57b	11	.53	6.8	1.9	5.4	2.6	26	3.6	8.0	.2	1.3	.....	54	25	0	99	6.4	30
653	Chinkapin Creek near Trap, N.C.....	8-16-61	12	.40	6.1	1.8	7.3	2.7	30	1.6	7.4	.1	1.4	.30	56	22	0	90	6.5	50
654	Rockyhook Creek near Rockyhook, N.C.....	8-16-61	22	1.7	27	4.6	9.6	2.0	112	6.4	11	.3	1.4	....	141	86	0	200	7.1	100
655	Eastmost Swamp near Edenhouse, N.C.....	8-16-61	22	.32	20	3.3	7.3	3.1	88	2.8	5.0	.1	.3	.10	107	64	0	160	7.7	35
656	Crockett Swamp near Edenhouse, N.C.....	8-16-61	16	.46	11	.8	7.1	2.5	45	2.4	5.8	.2	1.6	.....	70	30	0	103	6.6	65
657	ROANOKE RIVER BASIN Dan River at Danbury, N.C.....	3-10-54	....	.....	....	....	....	....	15	2.0	....	....	....	....	....	12	0	38	6.8	....
658	East Belows Creek near Grims Crossroads, N.C.	9-24-59	28	.13	6.0	2.4	5.6	1.6	41	2.1	3.0	.1	.5	.....	69	25	0	76	7.0	....
659	Pawpaw Creek near Stoneville, N.C.....	9-24-59	26	.20	4.5	1.6	2.8	1.2	25	.2	3.3	.0	.5	.....	52	18	0	52	7.4	....
660	Mayo River at U.S. Highway 220 near Stoneville, N.C.	3-10-54	....	.....	....	....	....	....	22	2.0	12	....	....	....	....	13	0	44	7.0	....

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B217

[illegible]

See footnotes at end of table.

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on p.l. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (Microhm at 25°C)	pH	Color
																Calcium, magnesium	Non-carbonate			
ROANOKE RIVER BASIN -Continued																				
695	Stonehouse Creek near Vaughan, N.C.....	7-26-66	22	0.12	6.3	2.5	4.2	1.2	38	0.4	3.4	0.1	0.2	0.00	59	26	0	69	6.8	10
696	Deep Creek near Thelma, N.C.....	9-13-61	22	.21	5.4	1.9	6.9	1.8	34	.8	4.0	.1	.1	.10	60	22	0	75	6.6	25
697	Lukes Creek at Gaston, N.C.....	8-5-57	.....	.....	.....	.....	3.3	3.7	12	3	4.5	.....	.4	.....	6	0	34	6.1	.....
698	Chockoyotte Creek near Weldon, N.C.....	9-13-61	13	.23	7.5	2.1	48	3.5	102	6.6	26	.2	3.0	.....	160	28	0	248	7.0	37
699	Roanoke River at Weldon, N.C.....	2-1-56	11	.24	9.2	2.4	8.1	1.9	47	6.8	6.2	.....	1.0	.....	70	33	0	114	7.3	18
700	Quankey Creek at Pierces Crossroads, N.C.	9-13-61	11	.07	4.3	.9	4.0	1.6	18	2.4	3.8	.1	2.6	.....	40	14	0	53	7.3	20
701	Quankey Creek at Halifax, N.C.....	9-13-61	13	.18	5.5	.8	6.2	1.6	16	5.4	8.0	.1	4.0	.....	53	16	4	79	6.7	15
702	Connaritsa Swamp near Connaritsa, N.C....	8-6-57	.....	.....	7.8	2.1	5.1	.6	4	27	2.8	.....	.9	.....	.....	28	25	94	5.3	.....
703	Roanoke River at mouth near Plymouth, N.C.	6-24-60	11	.03	13	2.7	7.7	1.9	59	5.7	5.0	.8	.6	.00	78	44	0	116	7.3	10
PAMLICO RIVER BASIN																				
704	Tar River near Culbreth, N.C.....	7-26-66	8.8	.04	6.5	2.9	4.8	1.6	42	.8	3.2	.1	.3	.00	50	28	0	83	6.9	20
705	Tar River near Providence, N.C.....	7-26-66	14	.13	9.3	3.9	5.5	1.7	57	.6	3.7	.1	.3	.00	67	39	0	107	7.1	15
706	Tar River near Oxford, N.C.....	1-21-54	6.7	.10	3.2	.7	4.7	.....	9	8.2	3.2	.1	.6	.....	32	11	4	57	6.2	40
707	Tar River tributary No. 4 at Culbreth, N.C.	7-26-66	21	.16	9.4	4.0	6.1	1.5	58	2.2	4.7	.2	.2	.00	78	40	0	110	6.9	20
708	Fishing Creek tributary above southside sewage effluent outfall at Oxford, N. C.	7-26-66	13	.08	15	7.5	72	5.5	118	98	18	2.4	.5	.10	300	70	0	492	7.3	30
709	Coon Creek near Oxford, N.C.....	7-26-66	17	.14	13	6.1	39	7.5	68	21	28	.3	.29	.00	194	56	1	360	7.0	30
710	Fork Creek near Wilton, N.C.....	9-13-61	42	.33	8.2	5.0	9.1	1.2	61	2.6	4.4	.2	.2	.....	103	41	0	122	7.3	15
711	Middle Creek near Franklinton, N.C.....	7-27-66	20	.05	5.9	3.2	6.3	1.2	42	.8	4.0	.2	.0	.00	63	28	0	75	7.0	15
712	McGees Creek near Franklinton, N.C.....	7-27-66	25	.06	3.8	1.0	5.9	.5	28	1.0	3.0	.2	.2	.03	55	14	0	52	6.8	15
713	Ruin Creek near Kittrell, N.C.....	7-26-66	22	.05	9.0	2.1	18	2.6	62	3.8	10	.3	1.2	.21	99	32	0	138	6.8	10
714	Tar River near Henderson, N.C.....	7-26-66	17	.00	8.0	2.8	9.6	1.4	51	2.8	5.7	.2	.1	.02	73	32	0	98	6.9	5
715	Billys Creek near Franklinton, N.C.....	7-27-66	26	.23	4.8	1.6	6.3	.8	35	.4	4.0	.1	.1	.01	61	18	0	69	6.9	20
716	Lynch Creek at Rocky Ford, N.C.....	7-27-66	19	.15	3.7	.7	5.4	.8	23	.6	4.7	.1	.5	.00	47	12	0	54	6.7	34
717	Toolies Creek near Ingleside, N.C.....	7-27-66	25	.61	3.7	1.8	6.8	1.1	31	2.0	4.3	.2	.6	.08	61	16	0	67	6.9	36

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B219

718	Tar River at Louisville, N.C.....	8-27-65	20	.13	6.3	2.1	6.2	1.7	38	2.0	4.5	.1	.3	.10	62	24	0	80	6.8	20
719	Sycamore Creek near Louisville, N.C.....	7-26-66	26	.16	8.3	2.8	6.2	1.2	56	.6	5.1	.2	.1	.00	81	32	0	113	6.9	30
720	Cedar Creek near Katesville, N.C.....	7-26-66	22	.21	5.0	1.4	6.4	1.4	33	1.0	4.7	.5	.14	.59	18	0	71	6.8	25	
721	Big Branch Creek near Louisville, N.C.....	7-26-66	31	.44	3.8	.9	7.4	1.0	32	.2	3.9	.1	1.0	.09	66	14	0	65	6.7	25
722	Crooked Creek near Youngsville, N.C.....	7-26-66	24	.42	3.2	.5	6.4	.8	25	.4	4.1	.1	.2	.01	52	10	0	52	7.2	34
723	Crooked Creek near New Hope, N.C.....	7-26-66	20	.19	3.2	1.7	6.3	.8	27	.6	4.0	.1	.2	.00	50	15	0	55	6.7	30
724	Norris Creek near Bunn, N.C.....	9-13-61	33	.27	5.1	2.1	6.2	1.8	35	2.6	2.8	.1	1.3	.00	72	22	0	80	7.0	....
725	Cypress Creek near Seven Paths, N.C.....	7-26-66	24	.38	4.4	.8	7.0	1.1	31	.8	4.4	.0	.3	.01	58	14	0	64	6.8	35
726	Maple Creek near Rocky Mount, N.C.....	9-13-61	22	.40	8.7	2.9	5.0	1.6	48	4.2	2.8	.2	.3	.00	72	34	0	87	7.0	45
727	Big Peachtree Creek near Gastalia, N.C....	9-13-61	31	.31	5.1	.6	7.5	1.8	34	2.6	2.4	.1	.2	.00	69	16	0	64	7.0	30
728	Little Peachtree Creek near Momeyar, N.C.	9-13-61	31	.46	6.1	1.8	7.5	2.0	42	1.2	2.6	.4	.3	.00	74	22	0	76	7.1	35
729	Pig Basket Creek near Corinth, N.C.....	9-13-61	12	1.2	8.5	3.4	7.2	2.5	56	.4	7.6	.3	.3	.20	72	35	0	110	6.9	68
730	Pig Basket Creek near Nashville, N.C.....	9-13-61	15	.26	8.8	4.3	6.7	2.0	54	5.8	3.0	.2	.5	.00	74	40	0	108	6.8	55
731	Stony Creek near Dorchies, N.C.....	8-29-67	7.0	.35	5.9	1.9	5.1	2.0	17	20	4.0	.3	1.9	.06	54	18	4	68	6.5	100
732	Compass Creek at State Highway 97 near Rocky Mount, N.C.	9-13-61	16	.29	13	3.8	9.0	2.6	47	11	8.0	.1	2.1	.00	89	48	9	132	6.7	25
733	Beech Branch near Rocky Mount, N.C.....	9-13-61	16	.56	13	3.1	18	4.8	61	3.8	19	.2	3.6	.00	112	45	0	169	6.9	50
734	Sandy Creek at Henderson, N.C.....	7-26-66	21	.04	8.3	1.6	18	3.0	42	5.8	18	.2	3.8	.00	101	27	0	145	6.8	7
735	Sandy Creek tributary at Henderson, N.C.	7-26-66	15	.00	3.0	.4	7.3	2.0	12	.6	6.0	.2	7.8	.05	48	10	0	59	6.2	5
736	Sandy Creek tributary No. 3 at Henderson, N.C.	7-26-66	14	.01	1.6	.3	4.3	1.2	14	.6	4.0	.1	.5	.00	34	5	0	35	6.4	10
737	Sandy Creek near Centerville, N.C.....	7-27-66	17	.20	4.9	1.4	5.8	1.9	33	1.0	4.6	.2	.3	.04	53	18	0	70	6.8	32
738	Sandy Creek near Gastalia, N.C.....	9-13-61	20	.38	4.8	1.2	5.5	2.0	29	1.0	2.6	.2	.4	.00	52	17	0	61	7.0	45
739	Swift Creek near Leggett, N.C.....	9-13-61	20	.30	5.8	2.5	5.3	1.8	36	5.0	3.0	.1	1.0	.00	63	25	0	75	7.2	45
740	Fishing Creek near Manson, N.C.....	7-27-66	21	.13	5.5	1.8	4.5	1.7	36	.6	4.0	.0	.4	.00	58	22	0	68	7.0	32
741	Mathews Creek near Manson, N.C.....	7-27-66	19	.12	5.4	1.7	4.8	1.8	33	1.0	3.7	.1	.1	.02	54	20	0	63	6.9	10
742	Possuquarter Creek at Warrenton, N.C....	7-27-66	19	.24	8.5	1.7	9.7	2.3	22	5.4	14	.0	.3	.00	78	28	10	103	9.1	39
743	Fishing Creek near Marmaduke, N.C.....	7-26-66	18	.06	6.6	2.1	5.8	1.8	40	1.4	5.1	.1	.2	.00	61	25	0	80	6.7	10
744	Fishing Creek near Old Bethlehem, N.C....	7-26-66	19	.20	7.7	2.0	4.9	1.7	43	1.2	4.5	.0	.4	.00	63	28	0	84	7.1	40
745	Little Fishing Creek near Odell, N.C.....	7-26-66	20	.29	5.9	2.4	4.9	1.7	41	.6	2.7	.1	.3	.07	59	25	0	78	6.9	25
746	Bena Creek near Littleton, N.C.....	7-26-66	24	.22	5.1	1.4	4.4	1.2	32	1.2	3.4	.0	1.0	.00	57	18	0	58	6.9	45
747	Reedy Pond Creek near Marmaduke, N.C....	7-26-66	18	.24	4.0	1.9	3.6	1.4	27	1.2	4.0	.0	.2	.00	48	18	0	53	7.0	42
748	Little Fishing Creek near Brinkleyville, N.C.	9-16-54	....	.....	6.0	1.9	.....	.....	39	1.0	4.5	.....	.5	.....	.....	23	0	95	6.6	....
NEUSE RIVER BASIN																				
749	Eno River near Cedar Grove, N.C.....	9-15-58	24	.21	5.6	2.3	7.5	.9	38	1.4	2.3	.1	.6	.00	64	23	0	71	7.0	45
750	McGowan Creek near Efland, N.C.....	9-13-66	12	.05	8.7	3.3	5.1	1.9	47	1.6	6.2	.1	1.0	.00	63	35	0	94	6.9	10
751	Sevemille Creek near Hillsborough, N.C....	9-15-58	16	.01	7.8	2.2	4.2	.8	40	1.6	2.2	.1	.5	.00	55	29	0	74	6.9	12
752	Eno River near Schley, N.C.....	9-12-66	8.3	.02	8.5	2.8	7.7	2.1	47	7.2	6.6	.2	.2	.07	67	32	0	103	7.2	5

See footnotes at end of table.

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on P.L. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific conductance (Microhm at 25°C)	pH	Color
																Calcium, magnesium	Non-carbonate			
753	NEUSE RIVER BASIN--Continued Stony Creek at mouth near University, N.C.	9-12-66	7.7	0.03	9.5	3.3	5.1	1.6	47	4.0	5.8	0.2	0.3	0.00	61	37	0	101	7.1	10
754	Crooked Creek near Durham, N.C.	9-15-58	23	.03	16	8.7	8.7	1.4	94	.7	8.4	.1	3.2	.....	116	76	0	188	6.8	7
755	Eno River near Weaver, N.C.	9-16-58	13	.03	9.2	4.1	10	1.6	44	6.4	12	.1	1.1	.....	80	40	4	139	6.6	4
756	South Fork Little River near Caldwell, N.C.	9-16-58	17	.04	6.6	4.2	5.3	1.2	52	.4	3.0	.1	.2	.00	64	34	0	92	6.9	17
757	Poster Creek near Hillsborough, N.C.	9-16-58	18	.04	7.6	3.6	8.0	1.1	44	1.3	7.7	.1	.6	.....	70	34	0	88	6.5	15
758	South Fork Little River near Orange Factory, N.C.	9-16-58	16	.02	6.8	2.7	5.8	1.1	43	1.7	3.3	.1	.5	.....	59	28	0	83	6.6	5
759	North Fork Little River near Schley, N.C.	9-12-66	17	.14	6.2	3.4	5.6	1.0	42	2.8	4.3	.1	.9	.....	62	30	0	77	6.6	12
760	Buffalo Creek near Rougemont, N.C.	9-16-58	15	.07	5.0	2.3	5.1	.9	31	.2	4.3	.1	1.6	.....	50	22	0	69	6.9	19
761	Aldridge Creek near Hurdle Mills, N.C.	7-19-66	19	.12	7.3	3.4	5.3	1.1	43	2.4	5.2	.0	.3	.00	65	32	0	82	7.0	28
762	South Flat River near Hurdle Mills, N.C.	7-19-66	17	.05	7.8	2.7	5.4	1.8	43	1.4	5.0	.2	.2	.00	63	30	0	86	6.9	15
763	North Flat River near Paynes Tavern, N.C.	7-19-66	23	.04	9.0	2.9	6.7	1.4	52	2.8	3.5	.1	.9	.00	76	34	0	104	6.9	20
764	North Flat River tributary No. 3 at Roxboro, N.C.	7-20-66	1.3	.00	13	2.8	100	3.1	68	196	11	.2	.5	.00	361	44	0	584	7.6	10
765	North Flat River tributary at Roxboro, N.C.	7-20-66	1.9	.01	5.8	1.2	69	5.2	110	64	13	.8	1.8	.00	217	20	0	369	7.2	20
766	Deep Creek near Suti, N.C.	9-16-58	14	.06	4.6	2.6	5.3	1.4	34	1.9	4.6	.1	.8	.....	52	22	0	70	6.4	22
767	Deep Creek near Moriah, N.C.	9-16-58	16	.05	6.8	1.9	5.4	1.1	36	1.9	4.4	.1	.4	.....	56	25	0	69	6.9	18
768	Muddy Branch at Bahama, N.C.	10-17-62	20	.02	5.8	2.4	5.4	1.1	36	3.6	4.0	.1	.2	.00	61	24	0	76	7.3	5
769	Knap of Reeds Creek above Burner, N.C.	9-16-58	23	.06	5.4	2.6	5.5	.9	35	2.7	2.9	.1	.4	.....	61	24	0	70	6.7	15
770	Ledge Creek tributary No. 2 near North Side, N.C.	9-13-61	14	2.1	8.3	6.4	16	2.6	64	4.6	20	.2	.5	.....	107	48	0	176	6.8	100
771	Lick Creek near Durham, N.C.	9-16-58	13	.05	9.8	3.5	6.5	1.4	46	3.7	7.3	.1	.6	.....	69	39	1	108	6.4	4
772	Laurel Creek near Rogers Store, N.C.	9-12-66	33	.02	25	9.8	12	2.4	137	4.2	5.5	.1	.2	.08	159	103	0	231	7.5	20
773	Robertson Creek near Greedmore, N.C.	9-15-58	26	.76	8.9	4.4	8.1	1.7	62	2.8	5.8	.2	1.0	.....	91	40	0	123	6.6	47

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on pl. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium	Specific con- ductance (Microhm at 25°C)	pH	Color
NEUSE RIVER BASIN--Continued																			
810	Contentnea Creek near Stantonburg, N.C.	9-15-58	....	....	4.3	1.9	9.9	2.8	20	5.1	8.6	....	5.0	....	....	18	0 105	6.3	....
811	Beaverdam Creek near Bailey, N.C.	9-17-58	7.5	0.18	1.2	0.9	4.4	0.4	10	0.2	3.8	0.1	2.8	....	26	7	0 38	6.0	40
812	Beamans Run near Walsenburg, N.C.	8-12-57	12	....	3.2	1.0	5.3	.7	12	4.0	7.1	.0	2.0	....	41	12	2 63	6.3	....
813	Nahunta Swamp near Pikeville, N.C.	8-12-57	8.6	....	5.0	.4	4.9	.8	18	.4	7.6	.0	3.1	....	40	14	0 68	6.3	....
814	The Slough near Saulston, N.C.	8-12-57	9.5	....	4.2	1.3	6.5	1.2	15	2.0	7.9	....	2.9	....	....	16	4 77	6.7	....
815	Fort Run near Contentnea, N.C.	8-12-57	9.7	....	5.1	1.8	5.2	1.5	8	13	6.8	.0	2.3	....	49	20	13 92	5.7	....
816	Shepherd Run near Snow Hill, N.C.	8-12-57	9.9	....	2.1	1.0	2.7	.4	5	4.5	4.0	....	.8	....	....	9	5 43	6.0	....
817	Rainbow Creek at Hookerton, N.C.	8-12-57	11	....	3.5	.6	3.5	.8	4	8.0	5.1	....	1.0	....	....	11	8 56	5.9	....
818	Contentnea Creek at State Highway 123 near Hookerton, N.C.	9-13-62	7.8	.68	4.4	1.2	13	3.0	12	6.8	20	.2	7.0	1.2	71	16	6 117	6.6	45
819	Mussell Run near Hookerton, N.C.	8-12-57	5.2	....	20	5.0	2.6	4.6	74	3.6	6.5	....	1.6	....	....	70	9 94	6.8	....
820	Polecat Branch near Hookerton, N.C.	8-13-57	5.8	....	14	2.3	9.5	.8	11	44	9.0	....	3.3	....	....	45	0 170	6.0	....
821	Contentnea Creek near Hugo, N.C.	8-12-57	6.4	....	7.2	1.6	6.4	1.5	28	4.9	6.8	....	1.0	....	....	24	1 95	6.3	....
822	Little Contentnea Creek at Scuffleton, N.C.	8-13-57	7.5	....	17	2.2	7.7	1.8	60	10	6.3	....	.7	....	....	52	3 153	7.0	....
823	Eagle Swamp near Grifton, N.C.	8-12-57	6.2	....	9.5	2.4	8.0	1.6	16	21	9.5	....	3.5	....	....	34	20 129	6.5	....
824	Tuckahoe Swamp near Taylors Corner, N.C.	8-13-57	4.3	....	53	8.9	5.4	1.0	173	18	7.2	....	9.8	....	....	168	26 362	7.1	....
825	Beaver Creek near Trenton, N.C.	8-13-57	7.3	....	61	3.0	5.6	.9	173	20	6.2	....	5.2	....	....	165	23 359	7.2	....
826	Hill Run near Follocksville, N.C.	8-13-57	13	....	32	2.4	6.0	1.0	93	6.2	8.0	....	2.5	....	....	89	13 212	7.1	....
NEW RIVER BASIN																			
827	Cowhorn Swamp at Gum Branch, N.C.	8-13-57	4.2	....	55	3.2	5.2	.6	165	11	5.7	....	4.6	....	....	149	14 320	7.1	....
CAPE FEAR RIVER BASIN																			
828	Mears Fork at mouth near Hillsdale, N.C.	9-13-62	18	.02	8.3	3.3	4.9	2.4	50	3.8	2.8	.3	.1	.00	69	34	0 95	7.1	10
829	Benaja Creek at Benaja, N.C.	9-13-66	24	.01	5.8	1.8	5.4	1.7	33	5.0	2.7	.2	.4	.00	63	22	0 73	7.0	3
830	Troublesome Creek near Midway, N.C.	9-12-62	15	.02	4.5	1.7	3.2	1.7	28	.8	2.5	.1	.2	.00	44	18	0 50	7.2	13
831	Reedy Fork near Colfax, N.C.	9-13-62	19	.02	8.0	2.5	6.0	2.0	40	6.6	3.3	.2	.2	.00	68	30	0 90	7.0	6
832	Beaver Creek near Oak Ridge, N.C.	9-13-66	18	.06	3.7	1.0	3.7	1.6	25	.8	2.4	.3	.3	.00	44	13	0 42	6.5	15

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on P.L. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Magnesium carbonate	Specific conductance (microhm-cm at 25°C)	pH	Color
866	CAPE FEAR RIVER BASIN--Continued	9-12-66	33	0.01	15	5.4	11	2.5	89	4.4	7.5	0.3	0.4	0.22	124	60	161	7.3	0
867	West Fork Deep River tributary No. 3 near High Point, N.C.	9-13-62	23	.02	27	6.9	14	5.4	133	11	6.2	.2	1.4	.00	161	96	240	7.4	15
868	Long Branch near Deep River, N.C.	9-12-66	16	.15	13	4.0	9.2	2.0	68	5.4	5.6	.2	.4	.00	89	49	136	7.5	10
869	Bull Run at Oakdale, N.C.	9-12-66	19	.02	18	8.2	7.8	1.7	105	2.0	5.4	.1	1.1	.00	115	78	184	7.2	5
870	Deep River tributary near Randleman, N.C.	9-14-62	30	.03	9.6	4.9	6.9	1.4	66	1.2	3.7	.2	.2	.00	91	44	114	7.3	20
871	Bob Branch near Randleman, N.C.	9-14-62	21	.01	11	5.0	7.4	2.3	70	2.0	5.2	.1	.3	.00	88	48	129	7.9	10
872	Muddy Creek near Randleman, N.C.	9-13-62	23	.07	11	4.4	7.3	1.2	66	2.2	3.3	.0	.3	.00	86	45	117	7.3	15
873	Polecat Creek near Pleasant Garden, N.C.	9-14-62	12	.03	6.7	2.2	4.6	1.8	37	2.6	2.6	.1	.6	.00	51	26	75	7.0	17
874	Polecat Creek near Randleman, N.C.	9-14-62	16	.04	6.2	2.9	5.5	1.4	42	1.6	2.9	.1	.6	.00	58	28	77	7.2	18
875	Bush Creek near Cedar Falls, N.C.	9-13-66	23	.00	8.3	3.0	6.6	.9	52	2.6	4.5	.1	.3	.00	76	34	96	7.0	0
876	Sandy Creek tributary No. 2 near Melancton, N.C.	9-13-66	17	.02	8.2	3.0	6.2	1.5	47	6.0	4.4	.1	1.0	.00	70	33	95	7.3	0
877	Sandy Creek near Whites Chapel, N.C.	9-13-66	17	.01	7.5	2.1	5.7	1.5	36	3.0	4.5	.1	1.7	.00	61	28	84	7.0	5
878	Mount Pleasant Creek at Whites Chapel, N.C.	9-14-62	19	.02	7.7	3.0	8.4	1.6	45	4.2	5.1	.1	.5	.00	72	32	99	7.0	18
879	Reed Creek near Ramseur, N.C.	9-14-62	18	.08	6.3	2.1	5.3	1.0	37	4.4	2.6	.0	.7	.00	58	24	82	7.0	20
880	Mill Creek near Ramseur, N.C.	9-14-62	22	.06	7.1	2.5	6.3	1.2	43	2.2	4.1	.0	.4	.00	67	28	73	7.1	7
881	Deep River tributary No. 2 near Ramseur, N.C.	9-12-66	17	.00	6.8	2.3	6.6	1.8	39	3.6	4.9	.1	.8	.00	63	26	84	6.8	5
882	Richland Creek near Uiah, N.C.	9-12-66	18	.02	6.9	2.2	5.6	1.1	42	2.6	3.5	.1	.2	.00	61	26	76	7.0	0
883	Richland Creek tributary near Michfield, N.C.	9-14-62	20	.14	6.3	1.9	5.8	1.8	40	1.4	3.3	.1	.5	.00	61	24	77	7.2	28
884	Bachelor Creek near Coleridge, N.C.	9-13-62	8.3	.03	5.6	2.0	3.8	2.0	30	2.4	5.3	.0	.5	.00	45	22	66	7.4	20
885	Bloodrun Creek near Siler City, N.C.	9-14-62	11	.03	6.3	2.3	4.6	1.6	36	1.4	2.8	.1	.5	.00	49	26	72	6.9	22
886	Brush Creek at Coleridge, N.C.	9-14-62	13.9	.03	8.0	2.8	3.8	1.7	42	3.0	3.2	.1	.4	.00	50	32	82	7.0	22
887	Little Brush Creek near Coleridge, N.C.	9-12-62	11	.04	6.7	2.2	7.4	2.0	34	1.6	7.0	.1	.1	.00	59	26	89	7.2	20
888	Bear Creek near Jugtown, N.C.	9-13-66	13	.06	11	2.0	9.4	2.0	54	5.0	6.0	.0	.9	.14	76	35	107	6.9	15

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B225

889	Cabin Creek near Dover, N.C.....	6.3	.07	5.3	1.7	28	2.5	52	4.0	26	.2	.5	2.8	103	20	0	174	7.2	50	
890	Dry Creek near West Philadelphia, N.C....	9-12-62	16	.03	12	4.7	8.8	.8	74	.4	5.9	.2	.5	85	50	0	130	7.6	15	
891	Cabin Creek near Robbins, N.C.....	9-13-62	5.3	.04	4.0	1.5	5.3	24	4.0	4.9	.1	.2	.20	39	16	0	60	6.8	30	
892	Big Juniper Creek near Harris, N.C.....	9-13-62	6.6	.20	1.0	.6	2.2	7	.6	3.7	.1	.1	.00	19	5	0	21	6.3	75	
893	Pocket Creek near Cumcock, N.C.....	9-12-62	11	.02	5.5	1.1	5.4	24	5.2	4.7	.1	.1	.00	46	18	0	62	7.4	8	
894	Little Pocket Creek near Cumcock, N.C....	9-12-62	14	.06	7.5	1.9	6.3	1.5	40	3.2	4.5	.2	.0	.00	59	26	0	80	7.2	18
895	Big Buffalo Creek near Sanford, N.C.....	9-12-62	7.8	.02	9.6	2.2	9.7	2.4	38	8.4	11	.2	1.1	.00	71	33	2	120	6.7	17
896	Big Buffalo Creek near Cumcock, N.C.....	9-12-62	18	.04	13	5.8	78	16	5	33	65	1.6	.88	.35	56	52	556	5.5	50	
897	Little Buffalo Creek near Colon, N.C.....	9-12-62	4.8	.11	13	2.2	18	5.8	48	30	9.5	.4	.3	.20	108	40	1	178	6.8	32
898	Holland Creek near Pittsboro, N.C.....	9-13-62	11	.04	6.9	2.2	5.1	1.0	38	2.6	3.0	.0	1.0	.00	52	26	0	74	6.9	18
899	Hector Creek near Chalybeate, N.C.....	9- 8-66	16	.10	3.4	.2	5.0	1.1	17	1.8	4.5	.2	.6	.22	41	10	0	44	6.4	20
900	Upper Little River at Swann, N.C.....	9- 8-66	17	.11	5.6	2.3	28	1.6	26	20	26	.2	2.8	1.4	118	24	2	196	6.5	15
901	Barbecue Creek at Barbecue, N.C.....	9- 8-66	5.5	.12	.5	.2	1.6	.5	2	.8	1.6	.1	3.6	.09	16	2	1	15	5.0	70
902	Little River near Harris, N.C.....	3- 9-65	4.5	.04	.6	.2	1.2	.6	3	1.2	1.1	.1	.5	.00	11	2	0	17	5.3	20
903	Little River near Pinehurst, N.C.....	3- 9-65	4.2	.04	.6	.2	1.0	.6	2	1.4	1.5	.1	.5	.00	11	2	1	16	5.5	20
904	Little River at Eastwood, N.C.....	3- 9-65	3.0	.06	.6	.3	1.1	.4	3	1.0	1.4	.1	.4	.00	9	3	0	18	5.2	25
905	Wads Creek near Eastwood, N.C.....	3- 9-65	5.1	.06	.9	.5	1.5	.5	4	2.6	2.4	.0	.2	.00	16	4	0	22	6.4	25
906	Little River near Eastwood, N.C.....	3- 9-65	3.1	.04	.7	.2	1.2	.5	3	1.4	1.9	.0	.3	.00	10	3	0	18	5.5	20
907	Nicks Creek near Eastwood, N.C.....	3-19-65	2.4	.03	.6	.3	1.2	.4	5	1.6	1.5	.1	.4	.00	11	2	0	20	5.2	25
908	Nicks Creek near Southern Pines, N.C.....	3- 9-65	1.9	.06	.6	.3	1.2	.4	2	2.4	1.3	.0	.5	.00	10	2	1	20	5.1	20
909	McDeeds Creek above sewage effluent outfall at Southern Pines, N.C.	3- 9-65	3.3	.05	2.6	.6	2.5	.9	10	3.8	4.3	.0	.2	.00	23	9	1	38	6.0	20
910	McDeeds Creek near Niagara, N.C.....	3- 9-65	3.8	.04	1.4	.5	4.1	.9	10	2.8	4.2	.2	.3	.80	24	6	0	39	5.7	20
911	Mill Creek near Skyline, N.C.....	3- 9-65	3.7	.03	.7	.5	2.8	.6	6	4.0	2.9	.1	.4	.10	19	4	0	30	5.3	20
912	Little River at Vass, N.C.....	3- 9-65	3.3	.04	.8	.3	1.5	.5	4	1.4	2.1	.1	.5	.00	13	4	0	22	5.0	20
913	Carrolls Branch near Southern Pines, N.C..	3- 9-65	2.4	.06	.6	.3	.8	.3	2	1.8	1.2	.0	.4	.00	9	2	1	18	5.0	35
914	Dunhams Creek near Whispering Pines, N.C.	3- 9-65	5.0	.02	.9	.5	1.8	.8	5	1.8	3.0	.1	.2	.00	16	4	0	27	5.8	15
915	Crane Creek near Carthage, N.C.....	3- 9-65	8.3	.02	1.4	.8	2.4	.7	10	2.4	2.8	.1	.2	.00	24	7	0	32	5.9	10
916	Herd's Creek near Cameron, N.C.....	3- 9-65	6.1	.09	1.5	.8	2.4	.6	10	3.5	3.2	.1	.3	.00	23	8	0	33	6.2	20
917	Crane Creek near Lobelia, N.C.....	3- 9-65	5.2	.04	1.1	.6	2.4	.8	6	3.0	3.6	.0	.2	.00	20	6	0	31	5.9	20
918	Crane Creek at Lobelia, N.C.....	3- 9-65	5.2	.04	1.1	.5	2.1	.7	5	2.4	3.0	.1	.3	.00	17	5	1	26	6.0	25
919	Cape Fear River near Fayetteville, N.C....	2- 8-63	8.3	.06	2.4	2.1	6.3	1.4	18	7.2	5.4	.0	.8	.00	43	15	0	67	6.7	15
920	Beaver Creek at Cumberland, N.C.....	5-17-62	2.8	.02	1.8	.9	4.5	.8	10	2.8	5.0	.1	.9	.00	25	8	0	37	6.4	17
921	Greenfield Lake Outlet at Wilmington, N.C.	3-15-67	.3	.05	1.5	1.5	5.2	1.2	35	15	8.5	.2	.3	.58	65	45	16	120	7.2	....
FEE DEE RIVER BASIN																				
922	Yadkin River at Finley, N.C.....	8-13-63	11	.03	3.0	.3	2.1	.6	15	1.6	1.7	.1	.3	.00	28	9	0	29	6.4	7
923	Buffalo Creek near Yadkin Valley, N.C....	8-13-63	11	.01	2.8	.3	2.0	.8	13	2.0	1.7	.1	.6	.00	26	8	0	27	6.4	7
924	Kings Creek near Kings Creek, N.C.....	8-16-63	19	.01	4.6	.6	3.2	.7	23	1.6	1.4	.2	.3	.00	43	14	0	44	6.7	6
925	Elk Creek near Penley, N.C.....	8-15-63	11	.02	2.9	.6	3.1	.9	16	1.8	1.1	.1	.3	.00	30	10	0	32	6.4	7
926	Yadkin River at Ferguson, N.C.....	8-13-63	14	.02	2.9	.8	3.2	.9	19	2.8	.6	.1	.0	.00	34	10	0	34	7.1	7

See footnotes at end of table.

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B227

949	Mitchell River at Burch, N.C.....	8-14-63	9.9	.02	2.8	.7	2.0	.7	16	3.6	1.9	.4	.2	.00	30	10	0	29	7.0	10
950	Fisher River at Ladonia, N.C.....	8-15-63	9.5	.06	1.3	.6	1.3	.6	10	1.2	1.4	.1	.2	.00	21	6	0	22	7.1	8
951	Fisher River at Blevins Store, N.C.....	8-15-63	9.3	.03	2.0	.3	2.0	.4	12	1.6	1.9	.0	.2	.00	24	6	0	22	6.7	10
952	Wood Fork Branch near Oak Grove, N.C.....	8-13-63	9.2	.02	3.2	.3	2.0	.5	15	1.4	1.9	.0	.1	.00	26	9	0	28	7.0	10
953	Little Fisher River near Dobson, N.C.....	8-13-63	9.5	.01	2.6	.5	2.0	.6	14	2.6	1.9	.0	.1	.00	27	8	0	27	6.8	10
954	Fisher River near Dobson, N.C.....	8-13-63	9.5	.01	2.1	.7	2.0	.6	13	2.6	1.9	.0	.2	.00	26	8	0	25	6.9	10
955	White Oak Branch near Dobson, N.C.....	8-13-63	7.6	.06	1.6	.7	1.0	.5	8	3.0	.4	.1	.4	.00	19	7	0	20	7.1	5
956	Cody Creek near Dobson, N.C.....	8-13-63	8.7	.04	1.1	1.0	1.1	.5	12	1.0	.4	.2	.0	.10	20	7	0	21	6.4	8
957	Cody Creek near Level Cross, N.C.....	8-13-63	9.3	.01	2.9	.5	1.8	.7	12	2.8	1.6	.0	.3	.00	25	7	0	23	6.7	10
958	Hagan Creek near Siloam, N.C.....	8-14-63	14	.03	1.9	1.3	3.0	1.2	20	5.2	3.0	.1	.3	.00	41	12	0	41	7.2	15
959	Lovalls Creek at U.S. Highway 601 at Mt. Airy, N.C.	8-13-63	11	.02	5.9	1.2	6.0	1.6	21	7.6	5.5	.2	2.4	.00	51	20	2	73	6.4	15
960	Pauls Creek near Mt. Airy, N.C.....	8-13-63	8.5	.01	2.9	.3	2.6	.7	14	1.8	.8	.1	.1	.00	25	8	0	28	6.8	7
961	Rutledge Creek near Mt. Airy, N.C.....	8-13-63	10	.02	2.6	1.2	1.8	.8	16	.8	3.0	1.0	.3	.00	31	12	0	32	6.8	10
962	Flat Shoal Creek near Ararat, N.C.....	8-14-63	14	.03	3.5	.8	2.9	1.2	16	4.0	1.0	.2	.0	.00	36	12	0	32	6.8	5
963	Toms Creek near Westfield, N.C.....	8-13-63	13	.02	2.8	.6	3.6	1.1	19	2.6	.8	.1	.3	.00	34	10	0	34	6.9	7
964	Bull Run Creek near Ash Hill, N.C.....	8-14-63	13	.01	2.6	.5	3.4	1.0	17	.8	.8	.1	.1	.00	30	8	0	32	7.0	7
965	Grassy Creek near Shoals, N.C.....	8-14-63	16	.01	3.8	1.7	3.5	1.6	28	3.6	2.8	.1	.4	.00	48	16	0	54	7.1	10
966	Danbury Creek at Dalton, N.C.....	9-22-61	21	.04	4.2	1.8	4.0	1.7	27	1.4	3.6	.1	.7	.00	52	18	0	61	6.7	...
967	South Deep Creek near Footsville, N.C.....	8-13-63	11	.01	4.2	.6	2.3	.9	14	4.2	.4	.1	.1	.00	31	13	2	32	6.7	...
968	South Deep Creek tributary near Footsville, N.C.	8-13-63	18	.20	3.5	1.6	2.9	1.0	26	1.8	.6	.1	.0	.00	43	16	0	50	7.1	5
969	South Deep Creek at Shaktown, N.C.....	8-13-63	13	.10	3.0	1.4	2.2	.9	20	.4	.6	.1	.0	.00	32	13	0	38	7.1	5
970	North Deep Creek near Center, N.C.....	8-13-63	11	.02	2.9	1.4	1.9	1.0	17	.0	1.6	.1	1.0	.00	.....	12	0	36	6.8	10
971	North Deep Creek tributary near Nebo, N.C.	8-13-63	13	.04	4.2	1.4	2.8	.9	25	1.4	.8	.1	.2	.00	37	17	0	46	7.2	5
972	Yadkin River at Huntsville, N.C.....	9-22-61	13	.02	2.7	.9	3.5	1.4	20	2.4	1.2	.2	.8	.....	36	10	0	49	7.0	5
973	Ellison Creek near Lewisville, N.C.....	9-22-61	23	.01	6.4	2.6	4.4	1.9	40	1.0	2.0	.2	.7	.....	62	27	0	79	7.2	5
974	Muddy Creek at Bethania, N.C.....	9-22-61	20	.02	6.1	3.0	3.8	2.0	39	1.0	1.6	.1	.9	.....	58	28	0	72	7.3	5
975	Mill Creek near Walkertown, N.C.....	9-22-61	22	.23	5.4	1.9	5.2	1.9	32	2.6	4.0	.1	.0	.10	60	22	0	75	6.8	28
976	Mill Creek near Oldtown, N.C.....	9-24-56	.....	.....	8.8	3.4	.....	.....	58	2.5	4.0	.....	1.8	.....	36	0	116	6.7	.....	.....
977	Muddy Creek near Winston-Salem, N.C.....	9-24-56	.....	.....	8.4	2.7	.....	.....	50	2.4	2.1	.....	5	.....	32	0	52	6.8	.....	.....
978	Kerners Mill Creek near Kernersville, N.C.	9-22-61	29	.30	6.4	2.1	5.9	2.5	40	1.2	1.6	.1	1.3	.20	71	25	0	84	6.7	18
979	Kerners Mill Creek at Guthrie, N.C.....	9-22-61	23	.24	6.3	3.4	7.0	2.0	37	3.8	3.6	.0	3.2	.....	61	30	0	93	7.0	20
980	Fiddlers Creek near Winston-Salem, N.C.....	9-22-61	23	.09	5.6	2.2	5.2	1.6	32	.6	3.6	.0	2.5	.....	70	23	0	77	6.9	15
981	Dykens Creek near Yadkin College, N.C.....	8-15-63	28	.03	4.5	1.3	5.1	1.3	28	3.4	2.0	.3	.3	.00	60	16	0	61	6.8	10
982	Durchmans Creek near Stanleys Store, N.C.	8-13-63	18	.02	6.8	2.5	4.3	1.3	42	3.0	2.3	.1	.2	.00	60	28	0	73	7.2	10
983	Durchmans Creek near Cornatzer, N.C.....	8-14-63	23	.00	12	5.6	5.7	1.4	71	5.6	.8	.1	.2	.00	89	54	0	121	7.3	5

See footnotes at end of table.

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on P.L. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium Non-carbonate	Specific conductance (Microhmhos at 25°C)	pH	Color	
PEE DEE RIVER BASIN--Continued																				
984	Elisha Creek near Mocksville, N.C.....	8-14-63	28	0.02	11	4.9	7.4	1.9	70	5.2	4.2	0.1	0.8	0.00	98	48	0	128	7.2	10
985	Dutchmans Creek near Mocksville, N.C.....	9-20-56	.....	.....	12	4.9	.....	.....	74	3.1	2.2	.....	.8	.....	.....	50	0	131	6.7	.....
986	Dutchmans Creek near Fork, N.C.....	8-14-63	25	.02	11	5.2	6.3	1.4	68	4.8	2.0	.1	.6	.....	89	49	0	125	7.4	15
987	South Yadkin River near Vashli, N.C.....	8-14-63	15	.01	4.8	.4	2.7	.8	20	3.6	1.2	.0	.2	.00	39	14	0	36	7.3	5
988	South Yadkin River near Hiddenite, N.C....	8-14-63	14	.01	2.6	1.6	3.5	.8	18	2.4	.4	.0	2.0	.00	36	13	0	36	6.9	10
989	South Yadkin River near Charles, N.C.....	8-14-63	16	.15	3.7	1.8	2.1	1.1	25	1.0	2.0	.1	.1	.00	40	16	0	48	6.9	5
990	Rocky Creek near Union Grove, N.C.....	10-17-66	11	.02	2.5	.6	1.7	1.3	13	1.2	2.7	.0	.2	.....	27	8	0	32	6.3	5
991	Rocky Creek near Harmony, N.C.....	8-15-63	12	.01	3.5	1.5	2.0	.9	17	4.0	.8	.0	.0	.00	33	15	1	34	7.1	5
992	Patterson Creek tributary near Charles, N.C.	8-14-63	17	.05	3.7	1.2	3.0	1.2	23	2.0	2.6	.0	.1	.00	42	14	0	43	7.5	10
993	Little River near Coolemees, N.C.....	8-13-63	21	.00	5.4	2.7	3.9	1.5	38	.2	.6	.1	.3	.00	55	24	0	70	7.2	10
994	South Yadkin River near Coolemees, N.C....	8-14-63	16	.01	5.1	3.0	2.7	1.4	27	8.8	1.2	.1	.3	.00	52	26	4	51	7.2	5
995	North Hunting Creek at Buck Shoals, N.C.	8-13-63	10	.02	4.0	.9	2.0	.6	13	5.2	.8	.0	.0	.00	29	14	3	26	7.0	5
996	Hunting Creek at Calahan, N.C.....	8-13-63	12	.04	2.6	1.4	1.8	1.2	16	1.8	1.0	.1	1.3	.00	31	12	0	38	7.0	6
997	Hunting Creek near Mocksville, N.C.....	8-13-63	13	.00	3.5	1.6	2.5	1.1	18	3.0	.4	1	1.4	.00	36	16	0	41	6.8	5
998	Bear Creek near Holman, N.C.....	8-13-63	22	.00	7.7	2.9	4.4	.6	48	.8	1.2	.1	.5	.00	64	31	0	83	7.4	10
999	Bear Creek near Coolemees, N.C.....	8-14-63	24	.00	15	3.4	7.4	1.7	67	3.4	1.4	.2	2.0	.10	92	50	0	126	7.1	5
1000	Third Creek near Lora, N.C.....	8-13-63	18	.00	5.0	1.8	3.6	1.5	30	1.4	3.1	.1	.5	.00	50	20	0	60	7.4	4
1001	Duck Creek near Troutman, N.C.....	8-13-63	17	.01	4.3	2.4	3.5	1.5	32	1.6	2.0	.1	.2	.00	49	21	0	63	6.9	5
1002	Fourth Creek near Statesville, N.C.....	8-14-63	21	.01	4.9	2.2	3.8	1.4	32	3.6	2.3	.1	.2	.00	56	21	0	60	6.9	10
1003	Fourth Creek near Elmwood, N.C.....	8-13-63	24	.01	9.5	3.1	25	3.3	54	16	17	.7	8.8	1.2	136	36	0	198	7.1	10
1004	Fourth Creek near Cleveland, N.C.....	8-15-63	25	.01	9.9	4.0	30	3.0	70	15	18	.6	7.4	.60	148	42	0	218	6.7	10
1005	Fourth Creek near Woodleaf, N.C.....	8-14-63	24	.01	11	4.7	20	2.6	67	16	.11	.4	6.5	.30	130	47	0	188	6.7	5
1006	Withrow Creek near Amity Hill, N.C.....	8-13-63	25	.00	5.3	1.8	4.0	1.3	32	2.6	2.0	.1	.1	.00	58	20	0	66	7.4	6
1007	Beaverdam Creek near Cleveland, N.C.....	8-15-63	28	.01	9.3	3.6	5.6	1.5	53	5.6	.6	.2	.3	.00	81	38	0	96	7.2	5
1008	Withrow Creek near Barber, N.C.....	8-15-63	25	.01	8.5	3.0	4.7	1.6	42	9.6	1.2	.1	.1	.00	75	34	0	84	7.3	5
1009	Back Creek near Mount Ulla, N.C.....	8-13-63	21	.05	5.4	1.9	4.4	1.5	30	2.8	1.6	.2	.0	.00	54	22	0	67	7.3	7

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B229

1010	Back Creek at Bear Poplar, N.C.....	8-13-63	22	.02	6.7	1.9	5.4	2.1	35	5.2	4.1	.2	.2	.00	65	25	0	78	7.1	10
1011	Sills Creek near Bear Poplar, N.C.....	8-13-63	29	.01	8.5	2.7	5.4	1.8	46	4.2	3.2	.2	.2	.10	78	32	0	90	7.3	10
1012	Sills Creek near Mill Bridge, N.C.....	8-13-63	28	.01	11	4.3	4.9	1.5	51	7.8	.6	.2	.2	.00	84	44	2	99	7.2	5
1013	Sloans Creek at Mill Bridge, N.C.....	8-13-63	27	.03	8.2	2.0	5.0	1.5	46	2.6	2.9	.1	.2	.00	73	29	0	81	7.1	10
1014	Kerr Creek near Mill Bridge, N.C.....	8-13-63	26	.00	10	3.0	4.6	1.0	46	6.6	1.4	.1	.3	.00	76	38	0	88	7.2	5
1015	Deals Creek near Franklin, N.C.....	8-14-63	23	.04	4.9	1.1	5.0	1.5	27	3.2	3.5	.2	.2	.00	56	16	0	58	6.8	10
1016	Grants Creek near Mill Bridge, N.C.....	8-14-63	26	.03	8.5	3.4	5.0	3.5	60	20	63	.2	.2	.00	210	35	0	361	6.9	16
1017	Grants Creek tributary at Jalisbury, N.C.	8-14-63	26	.04	8.7	2.4	5.3	1.4	47	5.0	2.9	.1	.2	.00	75	32	0	87	7.4	10
1018	Grants Creek at Spencer, N.C.....	8-15-63	26	.01	11	4.4	25	2.5	62	13	27	.3	1.9	1.5	143	46	0	222	6.8	10
1019	North Potts Creek at Linwood, N.C.....	9-21-61	27	.20	6.1	2.3	5.6	1.8	39	1.4	1.4	.1	.5	.....	65	24	0	74	7.3	37
1020	Town Creek at East Spencer, N.C.....	8-15-63	17	.01	23	8.4	19	2.5	110	19	16	.4	1.4	.00	161	92	2	258	7.4	5
1021	Brushy Fork near Eller, N.C.....	9-24-56	.....	.....	7.1	2.1	.....	.....	44	2.1	2.3	.....	.9	.....	.....	26	0	83	6.8	.....
1022	Abbotts Creek near Holly Grove, N.C.....	9-21-61	8.8	.00	9.0	3.8	6.0	2.0	32	11	8.8	.1	.8	.00	66	38	12	112	6.7	.....
1023	Rich Fork near Walburg, N.C.....	9-21-61	22	.01	13	6.3	9.9	1.9	86	3.4	5.8	.1	.5	.02	105	58	0	157	7.2	.....
1024	Rich Fork near Thomasville, N.C.....	11-20-57	.....	.....	.....	.....	.....	.....	94	15	11	.....	.....	.....	.....	52	.....	192	6.7	.....
1025	Leonard Creek tributary near Lexington, N.C.	9-21-61	33	.19	6.4	3.7	6.6	1.8	50	.4	2.0	.1	.2	.20	80	31	0	93	6.9	19
1026	Leonard Creek at U.S. Highway 70 near Lexington, N.C.	9-21-61	33	.12	11	5.1	7.6	2.0	66	3.8	5.0	.3	.6	.....	102	48	0	131	7.4	10
1027	Flat Swamp Creek near Silver Hill, N.C....	8-28-57	5.2	.....	4.8	2.7	5.2	1.3	28	2.7	2.7	.1	1.0	.....	40	23	0	70	6.5	.....
1028	Riles Creek near Gold Hill, N.C.....	9-21-61	12	.03	12	4.0	4.7	2.0	60	2.6	2.2	.1	.7	.....	70	46	0	108	7.6	20
1029	Little Uwharrie River near Light, N.C....	9-14-62	15	.03	11	4.3	5.6	2.0	62	2.4	5.3	.3	.0	.10	77	45	0	120	7.5	15
1030	Little Uwharrie River near Flint Hill, N.C.	9- 8-66	12	.00	9.2	5.7	1.8	59	2.2	4.5	.1	.1	.00	70	46	0	111	6.8	5	
1031	Caraway Creek near New Market, N.C.....	9-14-62	19	.02	11	4.6	6.1	1.5	61	4.4	3.5	.1	.1	.00	80	46	0	116	7.2	18
1032	Caraway Creek near Flint Hill, N.C.....	9- 8-66	16	.07	4.6	2.7	4.8	1.0	33	3.6	3.0	.2	.2	.00	52	22	0	67	7.0	20
1033	Caraway Creek near Farmer, N.C.....	9-14-62	14	.01	9.1	3.9	6.6	1.5	53	4.2	5.5	.1	.5	.00	71	39	0	108	7.3	10
1034	Barnes Creek near Uwharrie, N.C.....	9-21-61	23	.07	4.3	1.9	5.1	1.4	31	2.0	2.8	.0	.9	.00	56	19	0	65	6.8	.....
1035	Hoggen Branch near Uwharrie, N.C.....	9-21-61	34	.02	2.9	1.9	6.3	1.4	26	2.4	3.2	.0	.3	.10	66	15	0	63	6.7	.....
1036	Spencer Creek at Uwharrie, N.C.....	9-21-61	26	.06	3.8	1.5	5.5	1.5	28	1.2	2.4	.0	.0	.00	56	16	0	55	7.5	.....
1037	Cedar Creek near Uwharrie, N.C.....	9-21-61	29	.04	3.8	1.7	6.1	1.3	32	1.0	3.2	.0	.3	.00	62	16	0	64	6.9	.....
1038	West Branch Rocky River near Cornelius, N.C.	9-23-61	32	.05	11	5.3	7.6	2.0	64	2.6	3.0	.3	.4	.30	97	48	0	125	7.4	.....
1039	Rocky River near Caldwell, N.C.....	9-25-61	29	.30	16	3.7	57	4.7	154	12	41	.3	.5	2.6	243	56	0	398	7.4	17
1040	Ramah Creek near Huntersville, N.C.....	9-23-61	36	.03	11	3.5	7.7	2.6	57	2.2	3.8	.3	.9	.10	96	41	0	119	7.4	.....
1041	Clarke Creek at Pleasant Grove, N.C.....	9-25-61	31	.02	12	3.5	8.7	3.0	65	3.2	7.2	.1	1.1	.10	102	46	0	139	7.0	3
1042	Rocky River near Pleasant Grove, N.C.....	9-25-61	26	.....	18	4.8	82	4.8	176	13	6.5	.5	3.2	2.4	308	64	0	515	7.2	35
1043	Mallard Creek near Charlotte, N.C.....	10-14-61	34	.20	11	5.6	8.2	1.3	74	3.6	4.0	.2	.3	.....	104	52	0	134	7.8	10
1044	Mallard Creek near Newell, N.C.....	9-25-61	26	.07	11	4.0	6.6	1.7	64	2.4	3.3	.0	.7	.20	88	44	0	121	7.2	5
1045	Coddle Creek near Dewees, N.C.....	9-25-61	29	.09	7.5	2.5	5.3	1.8	44	3.4	2.4	.1	.7	.00	75	28	0	88	7.1	5

See footnotes at end of table.

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on Pl. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium, non-carbonate	Specific conductance (Microhm-cm at 25°C)	pH	Color	
1046	PEE DEE RIVER BASIN--Continued																			
1046	Back Creek near Harrisburg, N.C.....	9-23-61	40	0.01	22	21	8.3	3.0	170	8.6	8.6	0.1	1.6	.....	197	144	4	311	7.3	3
1047	Reedy Creek near Harrisburg, N.C.....	9-23-61	32	.02	12	4.1	7.9	1.2	68	2.0	2.0	.0	.8	.....	95	46	0	130	7.2	7
1048	Caldwell Creek near Rocky River, N.C.....	9-23-61	32	.08	9.9	4.4	7.0	1.5	66	1.4	2.8	.2	.4	0.10	93	43	0	119	7.2	.....
1049	Irish Buffalo Creek near Landis, N.C.....	9-24-61	27	.08	5.3	1.3	5.1	2.0	28	4.4	2.1	.2	1.7	.10	63	18	0	64	6.6	7
1050	Coldwater Creek near Landis, N.C.....	9-24-61	25	.01	17	5.6	21	2.5	67	12	32	.2	1.5	.40	150	66	10	245	7.2	5
1051	Coldwater Creek tributary at Kannapolis, N.C.	9-24-61	26	.05	5.1	1.5	6.6	1.9	29	1.6	5.7	.1	1.0	.10	64	18	0	75	6.8	5
1052	Threemile Branch near Kannapolis, N.C....	9-23-61	34	.00	13	3.2	12	2.8	67	7.6	6.4	.2	3.2	.....	115	46	0	159	7.0	2
1053	Little Coldwater Creek near Concord, N.C.	9-25-61	35	.01	12	4.7	9.1	1.8	69	5.6	4.8	.2	.9	.....	108	48	0	140	7.3	.....
1054	Coldwater Creek near Concord, N.C.....	9-25-61	21	.02	12	5.9	9.4	2.3	73	6.8	6.6	.3	.5	.10	101	55	0	152	7.2	.....
1055	Hambly Branch near Georgeville, N.C.....	9-25-61	18	.02	14	6.9	6.6	3.2	78	6.8	6.0	.2	.5	.10	100	64	0	165	7.2	.....
1056	Little Buffalo Creek at N.C. 49 near Mount Pleasant, N.C.	9-22-56	.....	.....	15	6.4	.....	.....	117	2.9	9.7	.....	.5	.....	.....	65	0	23	7.0	.....
1057	Dutch Buffalo Creek near Watts Crossroads, N.C.	9-24-61	29	.01	14	5.6	7.7	1.9	81	3.6	2.8	.0	.3	.....	105	58	0	115	7.1	5
1058	Black Run Creek near Watts Crossroads, N.C.	9-24-61	23	.00	21	10	12	1.1	128	5.6	5.0	.2	1.2	.10	142	94	0	226	7.2	.....
1059	Dutch Buffalo Creek at Mount Pleasant, N.C.	9-24-61	31	.02	17	8.0	13	2.5	103	6.0	6.4	.3	4.9	.70	141	76	0	205	7.6	.....
1060	Dutch Buffalo Creek near Barriers Mill, N.C.	9-24-61	30	.00	16	7.3	12	2.7	95	6.6	6.6	.0	1.3	.....	130	69	0	198	7.2	5
1061	Anderson Creek near Cabarrus, N.C.....	9-25-61	21	.05	16	7.3	6.4	3.4	85	6.8	6.2	.2	3.1	.30	113	70	1	172	6.8	.....
1062	Clear Creek at Brief, N.C.....	9-22-61	25	.04	12	4.6	6.9	1.3	66	4.0	5.0	.0	.9	.....	93	48	0	131	7.1	6
1063	Goose Creek at Fairview, N.C.....	9-22-61	22	.02	9.0	4.5	6.6	1.5	58	3.0	5.0	.1	.8	.10	82	41	0	112	7.0	.....
1064	Rocky River near Stanfield, N.C.....	9-21-61	18	.03	14	5.3	122	4.5	257	26	62	.3	3.2	.....	386	56	0	612	7.5	30
1065	Rock Hole Creek near Stanfield, N.C.....	9-21-61	11	.08	6.4	2.7	7.4	2.0	42	2.6	5.4	.0	1.6	.....	60	27	0	96	6.8	10
1066	Island Creek near Locust, N.C.....	9-21-61	18	.12	7.1	2.0	6.2	1.1	34	3.0	6.0	.0	1.2	.....	62	26	0	80	6.9	30

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on pl. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃		Specific con- ductance (Micro- mhos at 25°C)	pH	Color
																Calcium, magnesium	Non- carbonate			
FEE DEE RIVER BASIN--Continued																				
1105	Mill Creek near McFarlan, N.C.	9-21-61	.....	0.25	2.7	1.3	6.1	1.3	21	1.8	4.6	0.0	2.1	.....	.....	12	0	60	6.6	45
1106	Deadfall Creek near Wadesboro, N.C.	9-22-61	8.3	.00	10	3.8	7.5	1.9	52	4.4	8.0	.0	1.4	.....	71	41	0	127	6.8	25
1107	Deep Creek near Roseland, N.C.	9-8-66	4.0	.06	.8	.4	1.0	.1	3	2.0	2.4	.1	.3	0.00	12	4	1	12	5.6	30
SANTEE RIVER BASIN																				
1108	Catawba River near Morganton, N.C.	6-26-68	9.3	.03	2.4	1.4	7.5	1.0	20	2.6	7.0	.1	.2	.04	42	12	0	58	6.7	5
1109	Hunting Creek at Morganton, N.C.	8-15-67	18	.02	7.3	1.3	4.1	2.6	34	26	38	.2	2.4	2.4	156	24	0	266	6.2	9
1110	Zacks Fork Creek at water intake near Lenoir, N.C.	8-16-67	20	.03	4.2	1.5	3.7	1.3	28	1.4	3.0	.1	.2	.00	49	16	0	55	6.7	4
1111	Blair Fork at Lenoir, N.C.	8-16-67	21	.23	4.0	.1	80	2.0	c69	2.4	5.3	.2	1.6	.46	226	10	0	516	11	32
1112	Greasy Creek at Lenoir, N.C.	8-16-67	19	.03	4.9	.9	4.0	1.4	27	.8	2.6	.1	.2	.01	47	16	0	55	6.3	9
1113	Catawba River at Rhodhiss, N.C.	7-5-68	10	.04	2.9	1.0	7.5	1.2	19	2.8	7.8	.2	.4	.01	43	11	0	60	6.3	5
1114	Ball Creek near Long Island, N.C.	10-14-61	17	.09	3.0	1.8	3.1	1.4	26	.6	.6	.0	.4	.00	41	15	0	46	7.4	.....
1115	Terrapin Creek near Monbo, N.C.	10-14-61	20	.06	5.1	2.1	2.5	1.5	29	2.6	4.4	.0	.1	.....	52	22	0	65	6.7	10
1116	Mountain Creek near Galax, N.C.	10-14-61	17	.15	7.9	3.3	2.3	1.2	44	2.6	.4	.0	.5	.....	57	33	0	83	7.0	10
1117	Davidson Creek at Mount Mourne, N.C.	8-28-57	31	.01	8.0	3.9	5.8	1.5	49	2.3	4.0	.1	.6	.....	81	36	0	100	6.6	9
1118	Ramsey Creek near Caldwell, N.C.	10-14-61	21	.04	17	6.2	7.0	3.8	93	1.6	3.8	.1	.3	.....	107	68	0	163	7.1	15
1119	Reed Creek near Pumpkin Center, N.C.	10-13-61	23	.23	4.2	1.8	3.8	1.5	29	1.4	1.6	.1	.7	.....	52	18	0	56	7.5	17
1120	Leepers Creek near Iron Station, N.C.	10-14-61	19	.20	4.6	2.1	3.2	1.3	29	1.4	1.8	.1	.2	.....	48	20	0	55	7.5	15
1121	Leepers Creek near Lovesville, N.C.	6-23-59	22	.04	6.0	1.4	3.4	1.1	28	1.0	2.8	.1	1.1	.....	53	21	0	59	6.8	.....
1122	Wingate Creek near Triangle, N.C.	10-14-61	22	.43	4.6	1.8	4.0	1.4	32	1.4	1.4	.1	.2	.....	53	19	0	60	6.9	15
1123	Forney Creek near Triangle, N.C.	10-14-61	29	.10	13	4.1	5.7	2.0	54	14	5.0	.3	.2	.....	100	48	4	130	7.2	10
1124	Stanley Creek near Mount Holly, N.C.	8-27-57	27	.07	6.8	2.9	6.0	1.2	41	2.1	2.6	.0	.7	.....	69	29	0	87	6.5	7
1125	Dutchmans Creek at water plant near Mount Holly, N.C.	8-27-57	33	.11	8.4	4.0	6.8	1.3	53	2.4	3.0	.0	.4	.....	85	38	0	102	6.5	15
1126	Long Creek near Huntersville, N.C.	10-14-61	34	.24	12	4.6	7.3	1.1	74	3.4	1.6	.0	.5	.....	101	49	0	132	7.2	15
1127	Gum Branch near Thrift, N.C.	10-13-61	30	.35	21	9.7	72	3.6	87	39	97	.2	.1	.....	316	93	22	535	7.1	15
1128	Paw Creek near Charlotte, N.C.	10-13-61	28	.02	17	8.1	46	3.0	115	45	22	.0	1.9	.....	228	76	0	351	7.4	15

SUMMARY OF DATA ON CHEMICAL QUALITY OF STREAMS B233

1129	Henry Fork at Morganton water intake near Morganton, N.C.	8-19-63	10	.01	1.6	.4	1.5	.9	10	1.6	1.8	.1	.7	.00	24	6	0	24	6.5	5
1130	Henry Fork near Enola, N.C.	8-19-63	11	.01	2.1	.6	3.0	.8	14	2.8	.8	.1	.5	.00	29	8	0	27	6.8	5
1131	Rock Creek near Ramsey, N.C.	8-19-63	11	.05	1.8	.9	1.5	1.1	13	2.0	.8	.0	.1	.00	25	8	0	26	6.6	7
1132	Rock Creek near Hickory, N.C.	8-19-63	10	.00	2.0	.8	1.5	1.0	12	1.6	2.9	.2	.4	.00	26	8	0	26	7.0	10
1133	Camp Creek tributary near Probst Crossroads, N.C.	8-19-63	9.1	.00	1.0	.7	1.2	.8	7	2.0	1.6	.1	.3	.10	20	6	0	20	6.2	10
1134	Fott Creek at Plateau, N.C.	8-19-63	13	.00	2.0	1.5	1.8	1.9	15	2.6	3.0	.1	1.7	.00	35	11	0	34	6.5	10
1135	Haas Creek near Blackburn, N.C.	8-19-63	16	.03	4.0	2.0	2.0	1.0	24	3.0	3.1	.1	.8	.00	44	18	0	50	7.0	10
1136	Fott Creek near Blackburn, N.C.	8-19-63	16	.03	4.0	2.0	1.0	1.0	24	3.0	3.1	.1	.8	.00	45	18	0	50	7.0	10
1137	Howards Creek near Vale, N.C.	8-19-63	10	.03	2.2	1.1	3.5	.....	15	1.6	3.4	.2	.7	.00	.....	10	0	33	7.0	10
1138	Howards Creek tributary at Reepsville, N.C.	8-19-63	12	.00	3.2	1.2	2.4	2.0	14	4.4	4.2	.1	3.5	.10	41	13	2	43	6.1	6
1139	Howards Creek tributary No. 2 at Reepsville, N.C.	8-19-63	15	.00	3.3	1.5	2.3	1.1	20	2.6	2.7	.1	.9	.00	40	14	0	42	6.6	6
1140	Howards Creek near Lincolnton, N.C.	8-27-57	14	.00	3.8	1.7	4.3	1.0	21	1.1	2.8	.0	2.4	.00	41	15	0	45	6.6	.....
1141	Rockdam Creek near Lincolnton, N.C.	8-19-63	23	.00	4.3	2.2	3.5	1.6	30	.8	1.2	.0	.8	.00	52	20	0	56	7.2	5
1142	Walker Branch at Lincolnton, N.C.	8-19-63	20	.02	2.9	.8	3.8	1.1	18	.8	2.0	.0	1.4	.00	42	10	0	39	6.8	10
1143	Indian Creek near Cat Square, N.C.	8-19-63	14	.09	2.3	1.7	1.8	.8	16	2.0	2.3	.....	.8	.00	34	13	0	32	7.3	10
1144	Little Indian Creek near Cat Square, N. C.	8-19-63	10	.02	2.4	1.5	2.0	1.1	14	2.4	4.0	.1	.9	.00	31	12	0	34	6.9	12
1145	Mill Creek near Flay, N.C.	8-19-63	13	.00	2.2	1.4	2.8	1.4	15	3.2	2.8	.1	.9	.00	35	11	0	36	6.4	11
1146	Lick Fork near Cherryville, N.C.	8-27-57	22	.02	5.6	2.0	4.1	1.5	32	2.1	1.5	.1	2.3	.....	58	22	0	75	6.6	.....
1147	Indian Creek near Crouse, N.C.	8-27-57	14	.03	3.6	1.6	2.1	1.2	21	1.3	1.3	.0	1.5	.....	37	16	0	46	6.3	5
1148	South Fork Catawba River at High Shoals, N.C.	8-28-57	15	.03	3.8	1.4	8.2	1.4	24	1.9	6.5	.0	1.8	.....	52	15	0	83	6.3	.....
1149	South Fork Catawba River at Hardins, N.C.	10-31-61	24	.13	5.7	1.6	3.9	1.9	34	1.2	2.0	.1	.6	.00	58	20	0	65	6.9	5
1150	Mauney Creek near Stanley, N.C.	8-27-57	26	.07	17	2.9	79	5.2	30	72	81	.2	8.7	.....	307	54	29	510	6.1	.....
1151	Hoyle Creek near Dallas, N.C.	8-27-57	28	.07	6.0	2.4	9.0	1.4	35	2.5	6.8	.0	1.5	.....	75	25	0	97	6.5	7
1152	Long Creek at Spencer Mountain, N.C.	8-27-57	24	.54	11	2.7	34	4.2	130	8.3	34	.4	.5	.....	204	38	0	322	.....	.....
1153	South Fork Catawba River at Crumpton, N.C.	4-16-54	11	.06	5.3	1.7	3.2	.....	21	3.2	3.8	.2	1.0	.....	39	20	3	55	6.8	9
1154	Abernathy Creek at Mountain View, N.C.	8-27-57	19	.02	88	11	52	5.5	48	241	10	.2	6.3	.....	437	213	174	709	6.4	.....
1155	Bessemer Branch near Gastonia, N.C.	10-14-61	22	.26	6.3	1.6	5.7	2.0	37	2.4	3.0	.1	1.3	.10	63	22	0	78	7.0	4
1156	Crowders Creek near Mountain View, N.C.	8-27-57	19	.01	34	5.3	58	2.8	45	127	7.0	.2	3.5	.....	297	105	7	361	6.5	.....
1157	South Fork Crowders Creek tributary near Crowders, N.C.	10-13-61	25	.16	3.4	1.4	4.8	1.4	22	4.0	2.6	.1	.3	.10	54	14	0	56	6.4	10
1158	South Fork Crowders Creek tributary No. 2 near Crowders, N.C.	10-13-61	20	.18	6.6	1.9	4.2	1.3	35	1.0	2.7	.1	.3	.00	55	24	0	72	6.7	10
1159	South Fork Crowders Creek near Crowders, N.C.	8-27-57	27	.02	18	5.1	6.6	1.5	5	85	2.7	.0	.3	.....	148	65	61	212	5.5	3

See footnotes at end of table.

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on P.I. 2	Station name	Date	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Phosphate (PO ₄)	Dissolved solids (calculated)	Hardness as CaCO ₃ Calcium, magnesium, non-carbonate	Specific conductance (Microhm-cm at 25°C)	pH	Color	
SANTEE RIVER BASIN--Continued																				
1160	Stewart Creek near Charlotte, N.C.	8-27-57	.....	.....	12	4.9	8.4	1.1	70	3.4	4.2	.....	0.6	.....	.....	50	0	130	6.7	....
1161	Sugar Creek near Charlotte, N.C.	10-13-61	22	0.00	19	5.7	24	3.0	94	13	24	0.9	.2	0.20	158	71	0	257	7.6	13
1162	Kings Branch near Charlotte, N.C.	10-14-61	3.3	.03	11	3.9	7.7	1.9	63	4.4	3.9	.3	.2	.00	68	42	0	109	7.3	8
1163	Little Hope Creek tributary at Charlotte, N.C.	8-27-57	27	.....	21	3.9	11	1.1	92	8.9	4.8	.2	.7	.....	124	69	0	199	7.2	....
1164	Steel Creek near Shopton, N.C.	4- 3-67	21	.01	17	10	8.1	1.1	87	18	10	.2	.1	.09	129	85	14	208	7.8	....
1165	Sixmile Creek near Pineville, N.C.	10-13-61	34	.01	11	6.1	6.9	1.8	69	6.8	6.1	.2	.6	.20	108	53	0	139	6.9	5
1166	East Fork Twelve Mile Creek tributary near Mineral Springs, N.C.	9-23-61	11	.01	12	7.0	7.8	3.7	81	2.0	5.8	....	1.2	.10	91	58	0	155	7.0	....
1167	West Fork Twelve Mile Creek near Marvin, N.C.	10-13-61	28	.12	8.5	2.9	7.5	2.5	54	1.2	3.6	.0	.6	.....	82	33	0	105	7.4	....
1168	West Fork Twelve Mile Creek near Waxhaw, N.C.	10-13-61	25	.29	7.4	3.9	6.9	2.3	53	3.4	3.8	.1	.7	.....	80	34	0	108	7.0	15
1169	Waxhaw Creek near Jackson, N.C.	10-13-61	27	.40	11	6.1	11	3.4	82	1.8	7.8	.1	.9	.....	110	52	0	167	7.0	20
1170	Waxhaw Creek tributary near Waxhaw, N.C.	9-22-61	40	.17	12	5.3	8.6	1.8	75	2.2	7.8	.3	.4	.10	116	51	0	144	7.2	....
1171	Little White Oak Creek near Columbus, N.C.	9-27-63	17	.02	3.2	1.8	2.9	.8	23	2.4	2.7	.1	.8	.00	43	16	0	44	7.0	10
1172	Greens Creek near Cox Store, N.C.	8-27-63	16	.03	2.4	1.5	2.4	.8	19	.8	1.9	.1	.1	.00	35	12	0	35	7.4	10
1173	Green River near Green River, N.C.	5-28-68	13	.02	2.1	1.3	2.5	.9	14	.8	1.8	.1	.5	.00	30	10	0	34	6.6	5
1174	Wards Creek near Casar, N.C.	8-27-63	13	.01	2.5	.9	2.3	1.2	17	1.2	3.3	.1	.8	.00	33	10	0	36	6.5	10
1175	Little Knob Creek near Casar, N.C.	8-27-63	10	.01	2.6	.4	2.0	.7	12	1.8	1.3	.1	1.2	.00	26	8	0	27	6.7	10
1176	First Broad River near Earl, N.C.	6-25-68	11	.04	2.9	1.4	6.4	1.9	19	3.0	6.8	.2	.2	.08	43	12	0	60	6.0	5
1177	Buffalo Creek near Earl, N.C.	1-15-59	15	.06	4.4	2.2	7.5	1.4	20	3.5	8.7	.1	1.7	.10	55	20	4	71	6.7	10
1178	Buffalo Creek near Grover, N.C.	6-25-58	13	.03	4.5	1.6	15	3.1	23	7.2	19	.1	.3	.03	75	18	0	108	6.3	15
SAVANNAH RIVER BASIN																				
1179	Whitewater River near Cashiers, N.C.	10-16-67	5.8	.06	.6	.2	.8	.9	4	.6	.7	.1	.2	.00	13	5	2	11	6.0	8
KANAWHA RIVER BASIN																				
1180	North Fork New River at Bina, N.C.	5-21-53	11	.03	3.7	1.2	2.5	.....	18	2.3	1.2	.1	.6	.....	32	14	0	40	6.7	7
1181	New River at Amelia, N.C.	6-25-68	10	.02	3.4	1.2	2.6	.8	17	2.0	2.2	.1	.7	.00	31	14	0	42	7.0	5

Table 6.--Chemical analyses of water from sites at which only one sample was collected--Continued

No. on Pl. 2	Station name	Date	Silica (SiO_2)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Phosphate (PO_4)	Dissolved solids (calculated)	Hardness as CaCO_3		Specific conductance (Microhmhos at 25°C)	pH	Color
																Calcium, magnesium	Non-carbonate			
1213	TENNESSEE RIVER BASIN--CONTINUED																			
1213	Little Tennessee River at Tapoco, N.C.....	5-21-68	7.1	0.00	1.6	0.5	1.5	0.5	7	2.4	1.0	0.0	0.5	0.00	18	6	1	23	6.2	5
1214	Shooting Creek near Hayesville, N.C.....	6-9-55	8.3	.01	1.5	.5	1.3	.6	10	.7	.8	.0	.7	.7	19	6	0	22	6.8	4
1215	Brasstown Creek at Brasstown, N.C.....	5-19-60	21	.07	.....	.....	3.4	.9	24	.4	2.0	.0	.4	.....	.....	13	0	38	7.2	....
1216	Colvard Creek at U.S. Highway 19 at Tomotla, N.C.	10-5-54	6.2	.02	1.0	.5	1.0	.5	7	2.0	.5	.0	.0	.....	15	5	0	17	6.1	9
1217	Hivassee River at Apalachia Dam, N.C.....	5-20-68	7.1	.00	1.6	.7	1.2	.5	10	1.0	1.3	.0	.3	.01	14	7	0	21	6.1	0

a Contains 6.0 mg/l CO_3 .

b No flow (see table 5). Sample may not be representative of periods of flow.

c Contains 16 mg/l CO_3 .

Quality of Surface Waters of North Carolina, 1943-67

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1895

*This volume was published as
separate chapters A and B*



UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

William T. Pecora, *Director*

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