HYDROLOGIC AND METEOROLOGIC DATA FOR THE BALD MOUNTAIN AREA AROOSTOOK COUNTY, MAINE JUNE 1979 THROUGH JUNE 1984

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ABSTRACT

Hydrologic and meteorologic data were collected to assess the effects of a proposed open-pit copper mine in the Bald Mountain area of Maine. Data collected included streamflow and sediment discharge data at four locations, precipitation data at three locations, water-quality data at 14 locations, daily air-temperature data, global solar-radiation data, and snow survey data. The study was designed to provide background hydrologic information upstream from the basin to be mined, premining hydrologic conditions in the basin where excavation is planned, and premining hydrologic conditions downstream from the planned mining area. This study was a cooperative water-resources investigation between the Maine Department of Environmental Protection and U.S. Geological Survey. Data were collected from June 1979 through June 1984.

INTRODUCTION

Streamflow, water-quality, and meteorological data were collected as part of the Bald Mountain watershed-modeling study. These data were collected from 1979 through 1984 as part of a cooperative effort by the U.S. Geological Survey and Maine Department of Environmental Protection. The study was initiated in response to the discovery and planned mining of a large copper deposit in the western slopes of Bald Mountain. The deposit has been estimated to be 850 feet deep with a projected surface area of 22 acres. Plans call for the deposit to be developed as an open-pit mine.

Purpose and Scope

The purpose of the study was to describe watershed hydrology prior to any mining activity. A distributed parameter watershed-runoff model will be used to simulate surface-water flows. The model will be used to estimate impacts mining operations could have on the hydrology of surrounding basins. Water-quality data were collected and analyzed to evaluate background conditions in receiving streams.

Information in this report includes daily-mean stream and suspended-sediment discharges recorded at four locations in the study area. It includes daily precipitation totals recorded at three locations and water-quality determinations from samples taken at fourteen sampling sites. Also included are daily observations of air temperature and solar radiation as well as miscellaneous readings of snow depths and densities from thirteen locations.

Location of Study Area

Bald Mountain is located in Township 12 Range 8, Maine. The township is in central Aroostook County about 20 miles west of the towns of Portage and Ashland. Bald Mountain is located on the watershed divide in the headwaters of the Fish River and Machias River basins. The Fish River flows

in a northerly direction from the Bald Mountain watersheds and joins the St. John River in Ft. Kent, Maine. The Machias River flows in an easterly direction from the Bald Mountain watersheds and joins the Aroostook River in Ashland, Maine. Figure 1 shows the locations of the Bald Mountain study area and data-collection sites.

Acknowledgments

Acknowledgment is made to Jeff Gammon and the entire staff of the Maine Department of Environmental Protection field office in Presque Isle for their invaluable assistance on the project. Special recognition is given to John Moulton and Carl Allen, who did most of the field work for the study often under adverse field conditions.

DEFINITION OF TERMS

Definition of terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined as follows:

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, about 646,000 gallons, or 2,447 cubic meters.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic foot per second (ft^3/s; cfs in the water-quality tables) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.2832 cubic meters per second.

Cubic foot per second per square mile [$(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or, more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge or streamflow is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passed through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of filtrate.

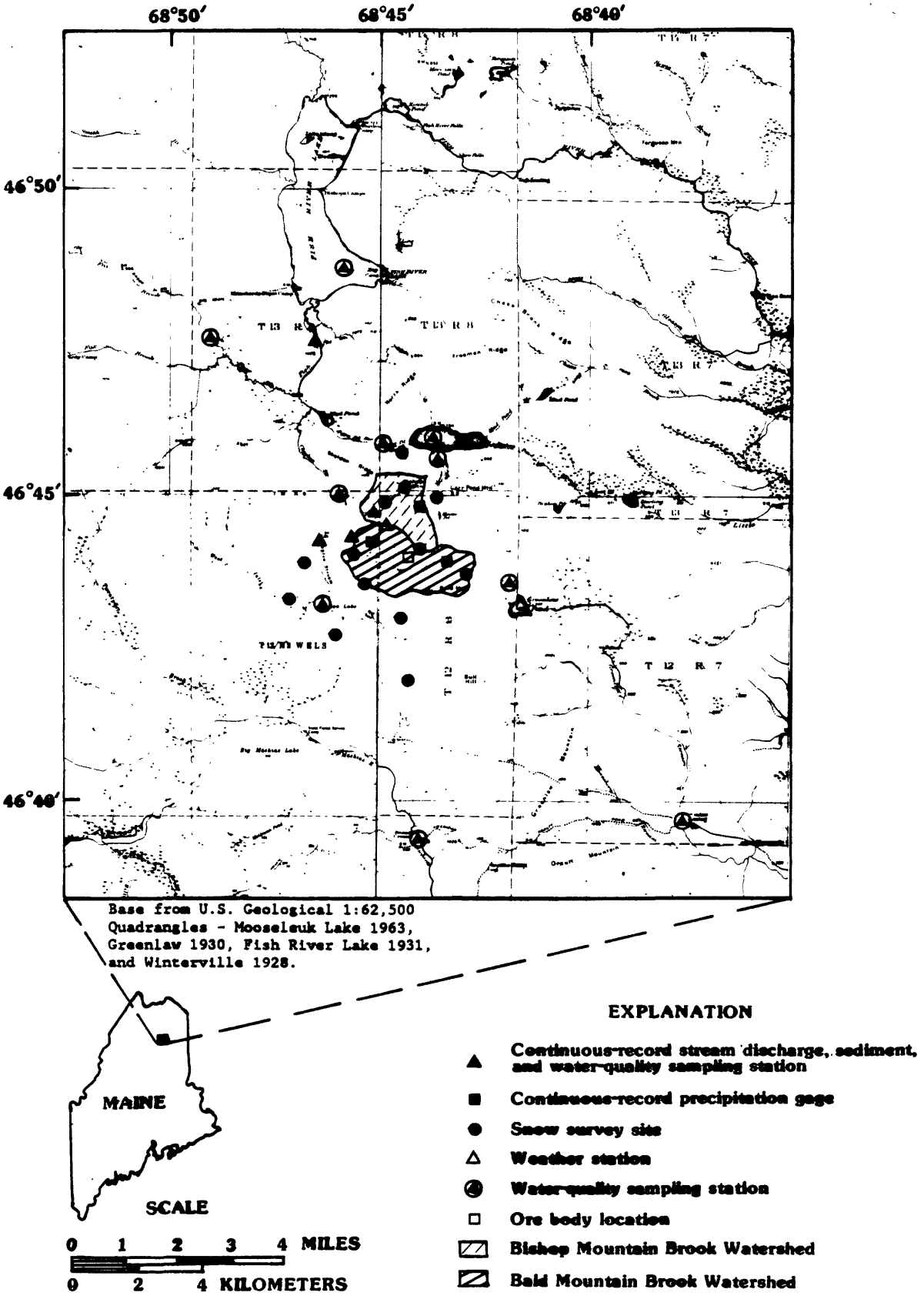

Figure 1.--Location of study area and data-collection sites in the Bald Mountain watersheds, Aroostook County, Maine.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage", although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, lake, or reservoir where systematic observations of hydrologic data are obtained.

Langley is a unit of solar radiation equivalent to one gram calorie per square centimeter of irradiated surface.

Micrograms per liter (μg/L) is a unit expressing the concentration of chemical constituents in a sample as the mass (micrograms) of constituent per unit volume (liter) of sample. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (mg/L) is a unit for expressing the concentration of chemical constituents in a sample. Milligrams per liter represents the mass of constituent per unit volume of sample.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

pH is a symbol denoting the negative logarithm (base 10) of the hydrogen ion concentration of a solution; pH values range from 0 to 14--the lower the value, the more acid is the solution; i.e., the more hydrogen ions it contains.

Runoff in inches (in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in microsiemens per centimeter at 25°C (μS/cm at 25°C). Specific conductance is related to the type and concentration of ions in solution and can be used for estimating the dissolved-solids content of the water. Commonly, concentration of dissolved solids (in milligrams per liter) is about 65 percent of specific conductance (in μS/cm at 25°C). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in composition of the water.

Stage-discharge relation is the relation between gage height (stage) and the volume of water per unit of time flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to flow of a canal, the word "streamflow" uniquely describes discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

Total (as used in tables of chemical analysis):

Total, recoverable is the amount of a given constituent in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. The term is used only when analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. Knowledge of the expected form of the constituent in the sample, as well as analytical methodology used, is required to judge when results should be reported as "total" (Note that the word "total" does double duty here, indicating the sample consists of a water-suspended sediment mixture and the analytical method determines all the constituent in the sample).

Turbidity is the opaqueness or reduced clarity of a fluid due to the presence of suspended matter.

Water year is the 12-month period that begins with October 1 and ends with September 30.

DOWNSTREAM ORDER, STATION NUMBER, AND MISCELLANEOUS SITES

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them.

As an added means of identification, each hydrologic station has been assigned a station number. These are in the same downstream order used in this report. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 01012520, which appears just to the left of the station name, includes the two-digit part number "01" plus the six-digit downstream-order number "012520".

In this report, sampling sites on lakes, rain gage locations and snow sampling sites are identified by unique 13 digit numbers. The first six digits denote degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude.

A summary of data collection site identifiers for the streamgages, rain gages, water quality sampling sites, and the weather station operated as part of this study can be found in table 1. Snow survey site identifiers and characteristics are summarized in table 2.

EXPLANATION OF WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consists of records of stage and measurements of discharge of streams and stage. In addtion, observations of factors affecting the stage-discharge relation, weather records, and other information are used to supplement base data in determining the daily flow. Records of stage are obtained from a water-stage recorder that gives a tape punched at selected time intervals. Streamgages on the Fish River and Clayton Stream recorded stages at 15-minute intervals. Streamgages on Bald Mountain Brook and Bishop Mountain Brooks recorded stages at 5-minute intervals. The Clayton Stream gage was

Table 1.--Data-collection-site identifiers.

Site number	USGS station identification number	Station name
		STREAM GAGES
1	01012515	Clayton Stream at Outlet Clayton Lake
2	01012520	Bald Mountain Brook near Bald Mountain
3	01012525	Bishop Mountain Brook near Bishop Mountain
4	01012570	Fish River Lake at Inlet Fish River Lake
		RAIN GAGES
1	01012520	Rain gage 1 at Bald Mountain Brook near Bald Mountain
2	4643500684414	Rain gage 2 at Bald Mountain
3	4644350684416	Rain gage 3 at Bishop Mountain
		WATER QUALITY SAMPLING SITES
1	4648430684552	Fish River Lake in Township 13 Range 8
2	01012520	Bald Mountain Brook near Bald Mountain
3	01012560	North Branch Fox Brook near Fish River Lake
4	01012570	Fish River at Inlet Fish River Lake
5	01012545	Moose Pond Stream at Inlet Carr Pond
6	01012515	Clayton Stream at Outlet Clayton Lake
7	01016480	Greenlaw Stream at Greenlaw Crossing
8	01016410	Machias River at Russell Crossing
9	4645530684301	Carr Pond in Township 13 Range 8
10	01012530	Clayton Stream at Sheldon Ridge
11	01012550	Carr Pond Stream at Outlet Carr Pond
12	01016460	Greenlaw Stream at Inlet Greenlaw Pond
13	4643080684611	Clayton Lake in Township 12 Range 8
14	01012525	Bishop Mountain Brook near Bishop Mountain
		WEATHER STATION
1	01012525	Bishop Mountain Brook near Bishop Mountain

Table 2.--Snow-survey-site identifiers and characteristics

Site number	USGS station number	Elevation (feet NGVD)	Aspect	Slope	Degree of ground cover
1	4645440684414	800	northerly	mild	heavy
2	4644480684407	1150	southwesterly	steep	moderate
3	4644450684510	870	level ground	level ground	clear
4	4644400684354	1130	level ground	level ground	moderate
5	4644280684524	830	level ground	level ground	clear
6	4644040684426	1040	southwesterly	mild	moderate
7	4644500684523	950	northeasterly	mild	moderate
8	4643480684325	1150	northwesterly	steep	heavy
9	4641470684409	1020	westerly	mild	moderate
10	4642400684600	1020	northerly	mild	moderate
11	4643450684633	940	easterly	mild	moderate
12	4643200684650	940	southerly	mild	moderate
13	4642430684411	890	level ground	level ground	heavy

located just upstream from the area to be impacted by the potential mine site. The Bald and Bishop gages are located on tributary streams that drain the mine site. The Fish River gage is located downstream from the study area. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Rantz and others (1982), and in Buchanan and Somers (1969).

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs) and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables; then the monthly and yearly mean discharges are computed from the daily figures.

If the stage-discharge relation is subject to variability because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method. In the shifting-control method correction factors, based on indiviual discharge measurements and notes by hydrologists and observers, are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by ice during the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by hydrologist, and comparable records of discharge for other stations in the same or nearby basins.

For some gaging stations, there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharges. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins.

The data in this report generally comprise a description of the gaging station and tabulations of daily, monthly and yearly discharge. These data are presented in table 3 at the end of the report. Records are published by the water year, which begins on October 1 and ends on September 30. Figure 2 is an example of a typical discharge hydrograph for a gage in the Bald Mountain watershed for a water year. Discharge data in this report are also published in the annual series of reports, Water Resources Data--Maine (U.S. Geological Survey 1981-84).

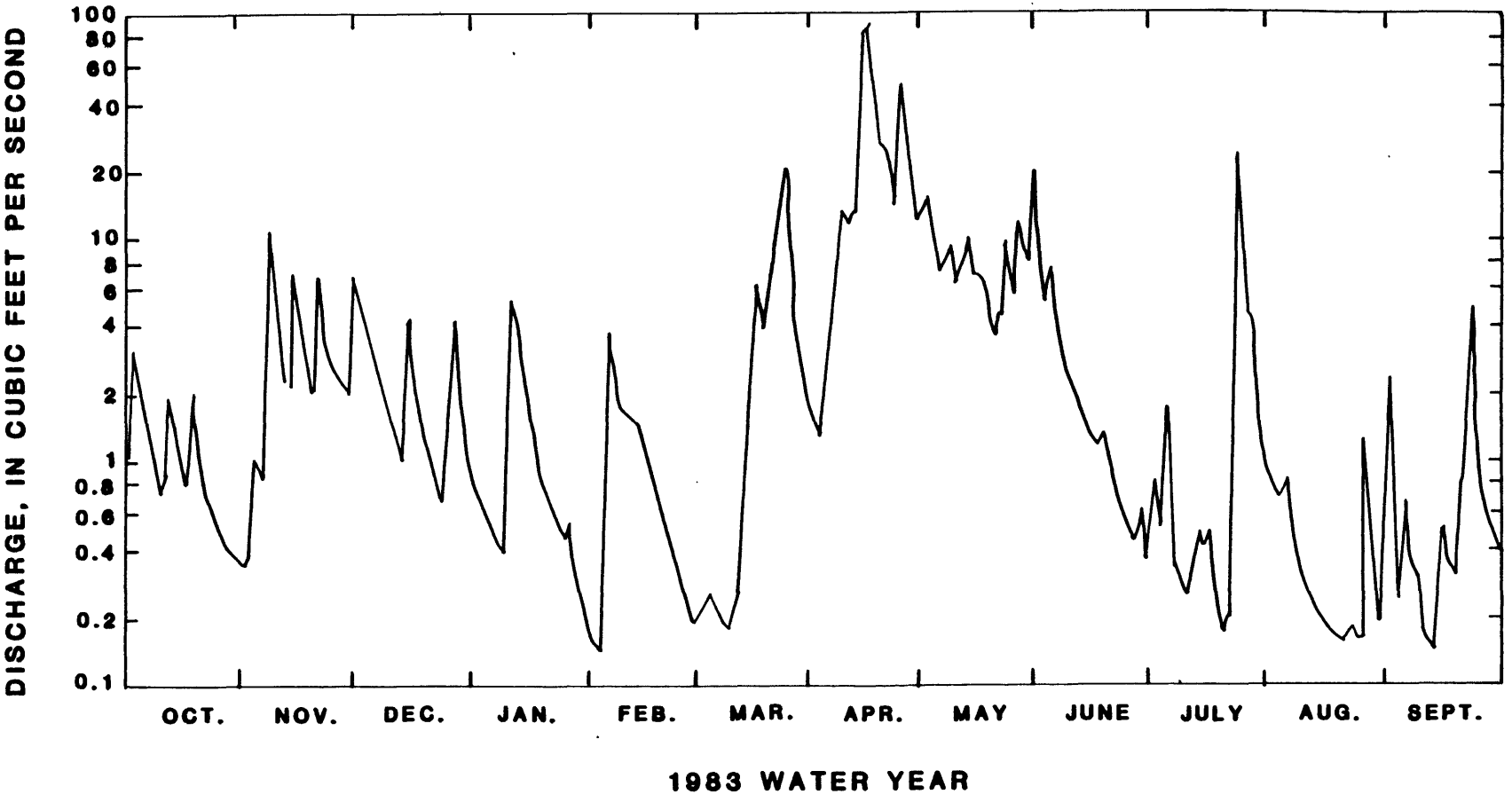

Figure 2.--Discharge at gaging station 01012520, Bald Mountain Brook near Bald Mountain, Maine, 1983 Water Year.

The description of the gaging station gives the location, draingage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge. The location of the gaging station and the drainage area are obtained from the most accurate maps available. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD". The type of gage currently in use and datum of the present gage determinated from topographic maps are given under "GAGE". Information pertaining to the accuracy of the discharge records and to conditions that affect the natural flow at the gaging station is given under "REMARKS".

The following information is given under "EXTREMES": First, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder. If the maximum gage height did not occur on the same day as the maximum discharge it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified.

For some stations, independent peak discharges above a selected base, including the maximum for the year, are listed with EXTREMES FOR THE CURRENT YEAR; with the time of occurence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is expressed 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month is also expressed in cubic feet per second per square mile (line headed "CFSM") and in inches (line headed "IN"). In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for which the calendar and water years.

Attention is called to periods for which the discharge is computed or estimated by special methods because of no gage-height records, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, or indefinite stage-discharge relation, or of any unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected.

Days on which the stage-discharge relation is affected by ice are not indicated. Methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "EXCELLENT" means that about 95 percent of the daily discharges are within 5 percent of true value; "GOOD", within 10 percent; and "FAIR", with 15 percent. "POOR" means that daily discharges have less than "FAIR" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure.

Other Available Data

Information of a more detailed nature than that published for most of the gaging stations such as discharge measurements, gage-height records, and rating tables is on file in the Maine State Office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

EXPLANATION OF WATER-QUALITY RECORDS

Water Analysis

Most methods for collecting and analyzing water samples are described in Rainwater and Thatcher (1960), Barnett and Mallory (1971), Goerlitz and Brown (1972), Stevens and others (1975), and Skougstad and others (1979). Study and interpretation of water quality data is summarized by Hem (1970).

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogenous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed in table 1. The values reported represent water-quality conditions at the time sampling as much as possible, consistent with available sampling techniques and methods of analysis. Results of 502 samples from which a variety of physical characteristics and chemical constituents were observed are listed in table 4. A summary of these data for the 14 water-quality sampling sites is given in table 5. Included in the summary for each sampling site are the number of analyses, mean value and range for the most significant physical characteristics and chemical constituents. The mean value given for the characteristic pH is simply the mean value of the actual pH readings. Tables 4 and 5 are at the end of the report.

Water quality sampling sites were established to provide background data in watersheds that could potentially be impacted by a mining operation and also in basins that could serve as control or nonimpacted sites for purposes of trend identification.

Sediment

Daily mean suspended sediment concentrations and sediment discharges were computed for selected days at the four stream gages. The sediment data are presented in table 6 at the end of the report.

Sediment samples were obtained at fixed points in stream cross-sections using automatic, pumping-type samplers. Coefficients were applied to the point samples to determine the mean concentration in the cross section. Coefficients were based on the correlation between point samples and samples collected using depth-integrating samplers at several verticals in the cross-section.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently. The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. These methods are described in greater detail by Guy (1970), Guy and Norman (1970) and Porterfield (1972).

For some periods when no samples were collected at the streamgages, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods and suspended-sediment loads for other periods of similar discharge. These techniques are described in the previously listed references as well as by Colby (1956) and Guy (1964).

Suspended-sediment samples were collected periodically at the 14 water-quality sampling stations. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream. These data can be found in table 4 at the end of the report.

EXPLANATION OF METEOROLOGIC RECORDS

Precipitation

Three continuous-recording weighing-bucket type rain gages capable of recording to the nearest hundredth of an inch, were operated as part of this study. The gages were all equipped with shelter-type windshields and were operated throughout the year. The sites were selected to provide accurate temperal and spacial sampling of rainfall in the Bald and Bishop basins. The gages were sited and operated according to the guidelines published by the U.S. Geological Survey (1977), Fisher and Hardy (1976), and Brakensiek and others (1979). These same publications served as the guides by which all the meteorological records noted in this report were obtained.

The gages are equipped with chart type recorders that provide a continuous pen trace of accumulated precipitation. During winter months, when precipitation is predominately in a solid form, the charts were geared such that data could be broken down into 3 hour time intervals. During the spring, summer and fall months the charts were geared such that data could be broken down into 15 minute time intervals. In this report, daily and monthly precipitation totals are given in table 7, at the end of the report. For the selected storm periods listed in table 8 precipitation totals in 15 minute intervals were tabulated and stored in the U.S. Geological Survey's National Water data Storage and Retrieval System (WATSTORE) computer files. A graphical representation of the variation in monthly total precipitation for the 1983 water year is given in figure 3.

To ensure accurate recording of precipitation totals the raingages were routinely calibrated following the manufacturer's recommended procedures. As an additional quality control step data recorded at the three gages was compared to ensure that no major recording errors had taken place.

Air Temperature

A continuous recording thermograph was also operated in the Bald Mountain watersheds. The thermograph was of the bimetallic type and was operated in a shelter similar to that used by the National Weather Service. Specifically the shelter had a solid top and louvered sides designed to protect the thermograph from precipitation and radiation. Louvered construction permits air to circulate around the instruments thus exposing them to the temperature of the surrounding air while reducing adverse temperature effects caused by radiation.

Table 8.--Storm periods from which unit precipitation data was tabulated and stored

Rain gage 1	Rain gage 2	Rain gage 3
10-18 to 10-21-81	10-18 to 10-21-81	08-25 to 08-27-82
10-22 to 10-25-81	10-22 to 10-25-81	09-02 to 09-05-82
11-17 to 11-23-81	11-17 to 11-23-81	09-06 to 09-08-82
06-02 to 06-04-82	06-02 to 06-04-82	09-14 to 09-18-82
08-24 to 08-26-82	08-24 to 08-26-82	09-27 to 09-30-82
09-06 to 09-08-82	09-06 to 09-08-82	10-01 to 10-04-82
09-14 to 09-18-82	09-14 to 09-18-82	10-08 to 10-11-82
09-27 to 09-29-82	09-27 to 09-29-82	10-14 to 10-16-82
10-01 to 10-03-82	10-01 to 10-03-82	11-02 to 11-04-82
10-08 to 10-10-82	10-08 to 10-10-82	11-05 to 11-07-82
10-13 to 10-16-82	10-13 to 10-16-82	11-13 to 11-15-82
11-02 to 11-04-82	11-02 to 11-04-82	11-21 to 11-25-82
11-05 to 11-07-82	11-05 to 11-07-82	05-23 to 05-26-83
11-13 to 11-15-82	11-13 to 11-15-82	05-27 to 05-29-83
11-21 to 11-25-82	11-21 to 11-25-82	05-30 to 06-01-83
04-24 to 04-28-83	04-24 to 04-28-83	06-06 to 06-08-83
05-23 to 05-26-83	05-23 to 05-26-83	06-14 to 06-16-83
05-27 to 05-29-83	05-27 to 05-29-83	07-21 to 07-23-83
05-30 to 06-03-83	05-30 to 06-03-83	08-27 to 08-28-83
07-21 to 07-24-83	07-21 to 07-24-83	08-31 to 09-02-83
08-27 to 08-28-83	08-27 to 08-28-83	11-03 to 11-09-83
08-31 to 09-02-83	08-31 to 09-02-83	11-10 to 11-15-83
09-22 to 09-24-83	09-22 to 09-24-83	11-24 to 11-28-83
11-03 to 11-09-83	11-03 to 11-09-83	
11-10 to 11-15-83	11-10 to 11-15-83	
11-24 to 11-28-83	11-24 to 11-28-83	

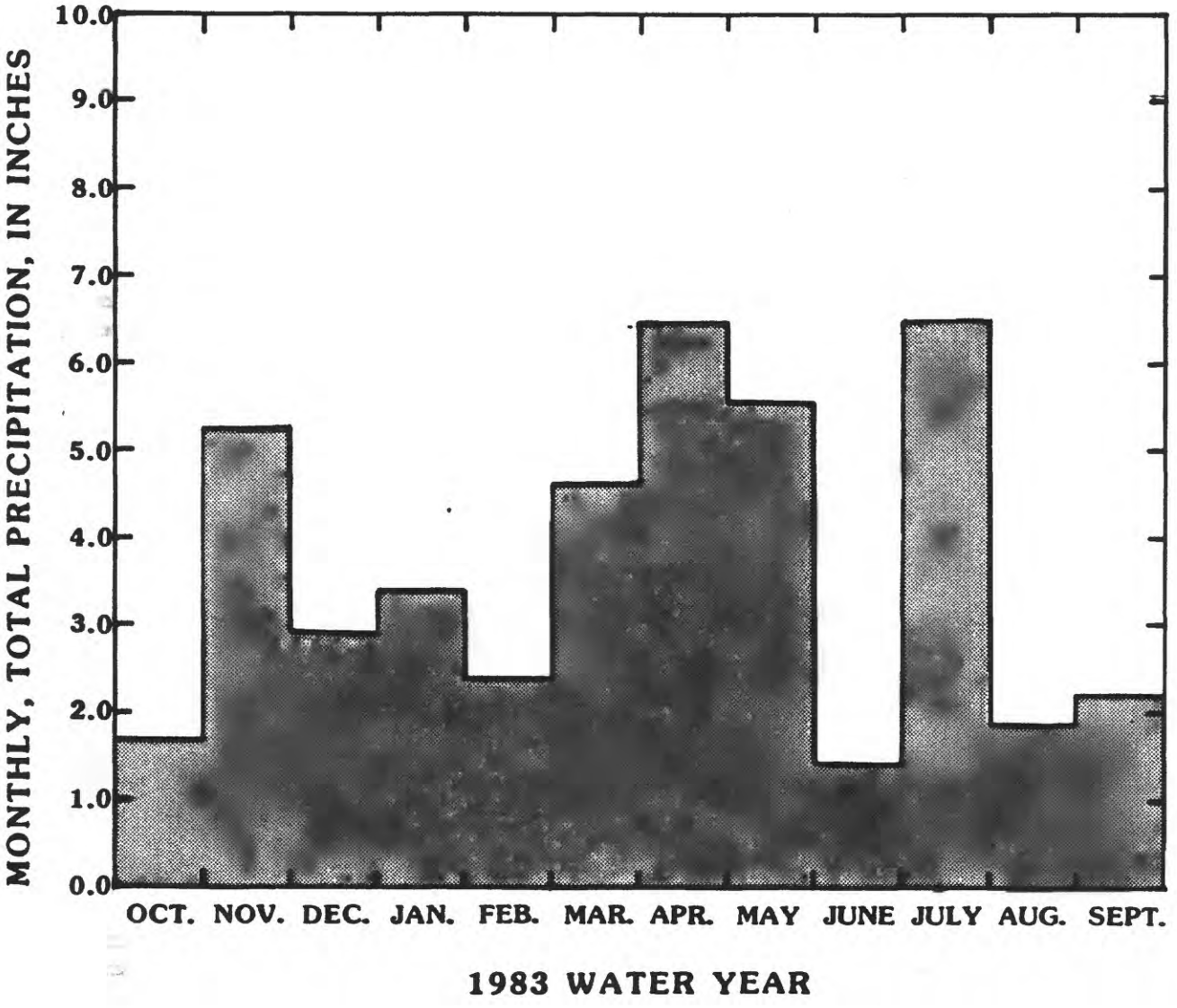

Figure 3.--Monthly total precipitation at rain gage 1 near Bald Mountain, Maine, 1983 water year.

In a bimetallic thermometer the sensing element is a thin metallic bar that is fixed at one end and free on the other. The bar is made from two different metals that have dissimilar coefficients of expansion. When the temperature of the bar changes, the two metals expand or contract by differing amounts. The differences in the expansion or contraction of the metals creates movements in the free end of the sensing bar that is transferred to a recording pen.

Daily maximum and minimum air temperatures to the nearest degree, (Celsius) were picked off the continuous pen trace made by the recorder. The daily maximum and minimum were averaged to determine the daily mean temperature. These data are presented in table 9. Also included in the table are ranges and mean values, by months, for daily maximum, minimum, and mean air temperatures. A graphical representation of the variation in monthly mean air temperature for the 1983 water year is given in figure 4.

To ensure accurate recording of air temperatures the recorder was routinely checked for accuracy against calibrated thermometers and recalibrated as required. As an additional quality control measure, the recorded temperatures were compared to surrounding National Weather Service Station data to detect gross recording errors.

Global Radiation

Global or the total downward direct and diffuse solar radiation as received on a horizontal surface was continuously recorded by a pyranograph in the Bald Mountain watersheds. The recorder was installed to ensure unobstructed exposure to the sun.

The measuring element of the pyranograph consists of two identical bimetallic strips. One of the metallic strips is blackened, while the other is highly polished and covered with a shield. The blackened strip is exposed to both the ambient temperature and the radiant energy of the sun. The shielded strip is exposed to the ambient temperature but shielded from the radiant energy. The metallic strips are mounted such that only the difference in temperature between them causes the recording pen to move. In this manner movement in the strips caused by ambient temperature changes results in no pen movement while temperature changes caused by radiant energy (global radiation) are recorded by the pen.

The scales on the recording chart are gram-calories per square centimeter per minute and time in minutes. To compute daily global radiation, the area under the curve for each day was computed using a digitizer and converted by applying a conversion factor.

The recording charts used in this study have a conversion factor of 851.61 gram calories per square centimeter per square inch or 851.61 Langleys per square inch. Daily global radiation data for the Bald Mountain watersheds were computed to the nearest Langley and are summarized in table 10 at the end of the report. Also included in table 10 are the mean, maximum and minimum daily values for each month.

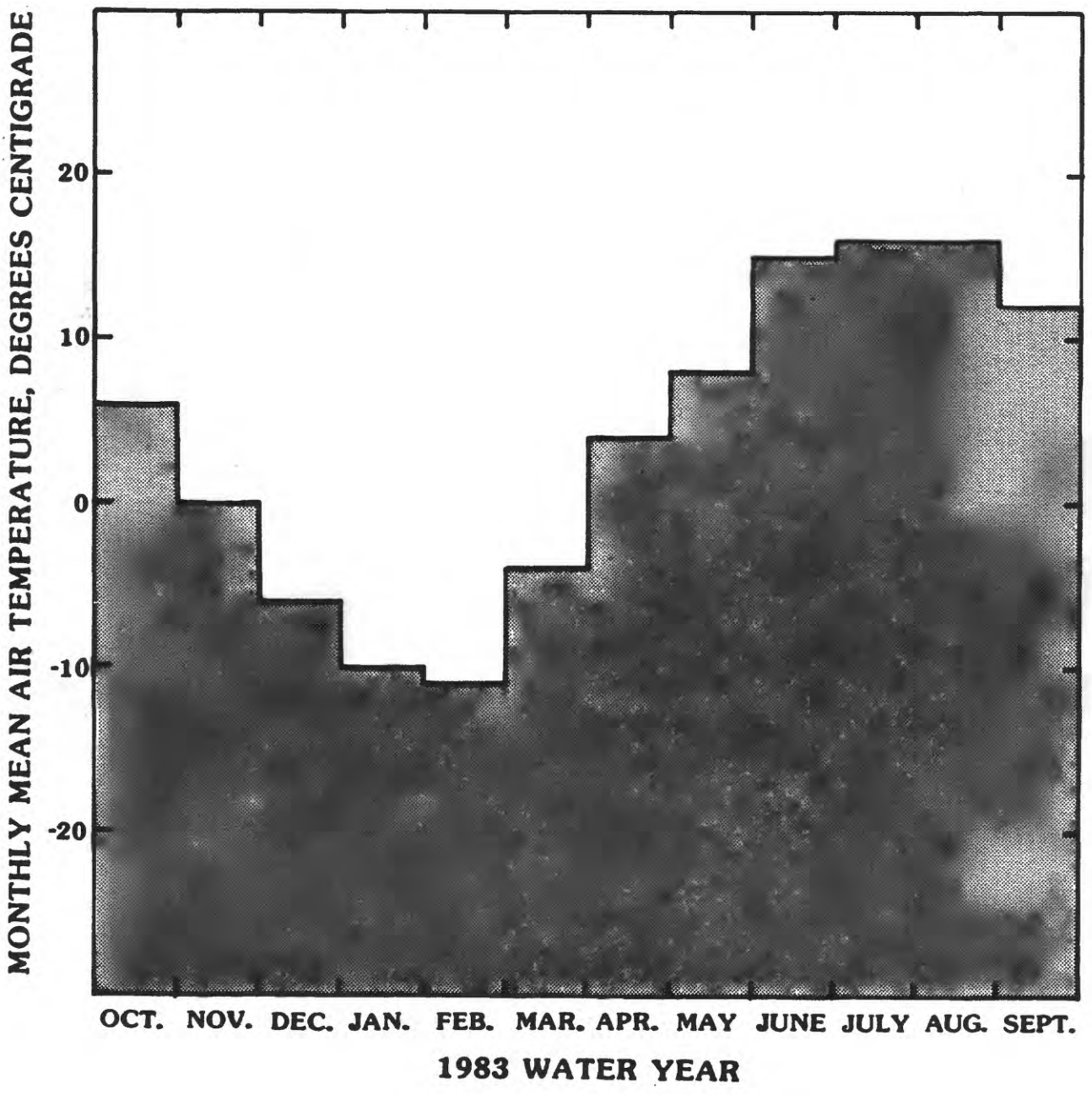

Figure 4.--Monthly mean air temperature in the Bald Mountain watersheds, 1983 water year.

To ensure accurate recording of global radiation the recorder was routinely calibrated against National Weather Service instruments in their Caribou, Maine office. As an additional quality control measure the recorded data for the Bald Mountain watersheds was compared to National Weather Services data from the Caribou station to detect gross recording errors.

Snow Surveys

Periodic measurements of snow depths, densities, and water equivalents were collected for use in the calibration of the watershed model and to determine the variability of the snow mass. The volume and state of a snow mass can vary as a function of elevation, aspect, slope and degree of ground cover in watersheds. Thirteen snow survey sites were established in the Bald Mountain watersheds. The sites were selected to provide data over the range of the variables encountered in the basins. The site identifiers and characteristics are given in table 2.

A Mt. Rose type snow sampler was used in this study. The sampler is a metallic tube that is graduated on the outside and constructed with a set inside diameter. The graduations on the outside of the tube are used to measure the total depth of the snow pack. The inside diameter of the tube is such that one ounce of core in the tube equals one inch of water equivalent. The empty tube is weighed, a snow core is taken, and the tube is weighed again. The difference between the readings represents the snow water equivalent. At snow courses, each time readings are taken the resultant value of snow depth and water equivalent reported is the average of ten readings. The use of ten readings at a site is a type of quality control used to increase the representativeness of the data.

Snow survey results are summarized in table 11. Included in the table are the dates, depths and water equivalents for the observations. Snow densities are not included in the table, but can easily be computed as the water equivalent divided by the snow depth. Densities of 10 percent are common for newly fallen snow. Snow that is "ripe" or saturated with water and has reached it's holding capacity has a density in the vicinity of 30 percent.

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DATA TABLES

Table 3.--Daily-mean discharge at stream-gaging stations

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE, ME

LOCATION.--Lat 46°43'50", long 68°46'18", Aroostook County, Hydrologic Unit 01010003, on right bank 0.3 mi (0.5 km) west from logging route 42, 1.0 mi (1.6 km) west of its intersection with the Carr Pond Road, and 18 mi (29 km) west of Portage.

DRAINAGE AREA.--13.9 mi^2 (36.0 km^2).

PERIOD OF RECORD.--July 16 to Sept. 30, 1982.

GAGE.--Water-stage recorder. Altitude of gage is 840 ft (256 m), from topographic map.

REMARKS.--Records fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 35 ft^3/s (0.99 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)
Aug. 27	1515	37	1.05	11.14	3.395	Sept. 4	0300	* 58	1.64	11.35	3.459

Minimum discharge, 0.10 ft^3/s (0.003 m^3/s) Aug. 9, gage height, 9.87 ft (3.008 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.35	14
2	---	---	---	---	---	---	---	---	---	---	.28	25
3	---	---	---	---	---	---	---	---	---	---	.20	49
4	---	---	---	---	---	---	---	---	---	---	.14	56
5	---	---	---	---	---	---	---	---	---	---	.14	49
6	---	---	---	---	---	---	---	---	---	---	.12	41
7	---	---	---	---	---	---	---	---	---	---	.11	41
8	---	---	---	---	---	---	---	---	---	---	.11	36
9	---	---	---	---	---	---	---	---	---	---	.11	31
10	---	---	---	---	---	---	---	---	---	---	.72	26
11	---	---	---	---	---	---	---	---	---	---	.72	22
12	---	---	---	---	---	---	---	---	---	---	.65	19
13	---	---	---	---	---	---	---	---	---	---	.75	16
14	---	---	---	---	---	---	---	---	---	---	1.1	14
15	---	---	---	---	---	---	---	---	---	28	1.3	13
16	---	---	---	---	---	---	---	---	---	.42	1.2	16
17	---	---	---	---	---	---	---	---	---	.42	1.1	24
18	---	---	---	---	---	---	---	---	---	.37	.94	25
19	---	---	---	---	---	---	---	---	---	.33	.79	23
20	---	---	---	---	---	---	---	---	---	.27	.75	21
21	---	---	---	---	---	---	---	---	---	.17	.66	18
22	---	---	---	---	---	---	---	---	---	.17	.54	16
23	---	---	---	---	---	---	---	---	---	.22	.48	14
24	---	---	---	---	---	---	---	---	---	.17	.86	13
25	---	---	---	---	---	---	---	---	---	.15	1.5	11
26	---	---	---	---	---	---	---	---	---	.19	30	11
27	---	---	---	---	---	---	---	---	---	.15	35	11
28	---	---	---	---	---	---	---	---	---	.14	32	18
29	---	---	---	---	---	---	---	---	---	.50	26	19
30	---	---	---	---	---	---	---	---	---	.54	21	19
31	---	---	---	---	---	---	---	---	---	.44	17	---
TOTAL	---	---	---	---	---	---	---	---	---	---	176.62	711
MEAN	---	---	---	---	---	---	---	---	---	---	5.70	23.7
MAX	---	---	---	---	---	---	---	---	---	---	35	56
MIN	---	---	---	---	---	---	---	---	---	---	.11	11
CFSM	---	---	---	---	---	---	---	---	---	---	.41	1.71
IN.	---	---	---	---	---	---	---	---	---	---	.47	1.90

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE, ME

LOCATION.--Lat 46°43'50", long 68°46'18", Aroostook County, Hydrologic Unit 01010003, on right bank 0.3 mi west from logging route 42, 1.0 mi west of its intersection with the Carr Pond Road, and 18 mi west of Portage.

DRAINAGE AREA.--13.9 mi^2 .

PERIOD OF RECORD.--July 1982 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 840 ft, from topographic map.

REMARKS.--Records good except for winter period, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 409 ft^3/s Apr. 18, 1983, gage height, 14.47 ft; minimum discharge, 0.10 ft^3/s Aug. 9, 1982, gage height, 9.87 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 18	1200	* 409	14.47	Jun. 01	0300	124	12.16
Apr. 26	--	215	--	Jul. 22	0330	123	12.15

Minimum discharge, 0.53 ft^3/s Aug. 26, 27, gage height, 10.04 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	7.4	32	9.5	3.9	3.0	23	115	123	4.3	31	22
2	25	7.5	30	8.7	3.6	3.5	20	100	112	4.9	32	19
3	25	9.5	30	8.0	3.4	3.9	18	110	95	6.2	31	18
4	24	10	43	7.3	4.0	4.7	17	95	78	5.7	27	17
5	22	30	52	6.7	5.2	4.3	17	84	63	10	23	15
6	21	61	56	6.5	7.0	4.0	16	79	53	25	20	13
7	18	69	57	6.0	8.4	3.6	18	70	58	25	18	13
8	16	67	52	5.8	7.9	3.4	28	60	54	22	17	13
9	19	60	45	5.5	7.3	3.2	36	57	46	20	15	12
10	19	51	37	5.2	6.7	3.0	46	59	39	17	13	11
11	18	44	31	15	6.2	3.3	53	57	34	14	11	11
12	17	38	27	43	5.8	4.0	70	52	30	12	9.4	9.7
13	16	52	25	32	5.2	6.0	73	53	27	10	8.0	7.5
14	17	66	20	24	4.9	9.5	80	58	24	9.3	7.0	3.2
15	19	66	15	19	4.6	11	84	56	21	8.6	6.1	2.8
16	19	61	18	16	4.4	9.8	87	52	19	8.3	5.2	2.4
17	18	53	23	14	4.0	9.3	155	46	18	7.6	4.5	2.5
18	17	46	33	12	3.8	9.0	369	41	18	6.5	4.1	2.9
19	15	39	19	10	3.6	8.8	269	37	17	5.4	3.8	3.0
20	14	34	16	9.0	3.5	12	208	35	15	4.7	3.4	3.0
21	13	31	13	7.8	3.4	17	175	36	13	6.3	2.9	3.0
22	12	35	12	7.0	3.2	25	140	36	12	92	2.6	16
23	11	44	12	6.5	3.1	35	112	35	11	78	2.3	28
24	11	58	11	7.1	3.0	53	99	45	9.8	75	1.9	28
25	9.9	62	11	8.0	2.9	53	156	57	8.4	77	1.2	27
26	9.4	59	14	6.8	2.9	49	205	57	7.4	65	.59	26
27	8.9	52	20	5.8	2.8	44	200	53	6.7	53	3.6	24
28	8.6	43	15	5.2	2.7	39	170	73	6.4	48	4.2	22
29	8.2	38	13	4.9	---	37	150	82	5.7	42	4.2	19
30	8.0	35	12	4.5	---	32	130	81	4.9	37	3.6	17
31	7.6	---	11	4.1	---	27	---	114	---	32	11	---
TOTAL	486.6	1328.4	805	330.9	127.4	530.3	3224	1985	1029.3	831.8	327.59	411.0
MEAN	15.7	44.3	26.0	10.7	4.55	17.1	107	64.0	34.3	26.8	10.6	13.7
MAX	25	69	57	43	8.4	53	369	115	123	92	32	28
MIN	7.6	7.4	11	4.1	2.7	3.0	16	35	4.9	4.3	.59	2.4
CFSM	1.13	3.19	1.87	.77	.33	1.23	7.73	4.61	2.47	1.93	.76	.99
IN.	1.30	3.56	2.15	.89	.34	1.42	8.63	5.31	2.75	2.23	.88	1.10

CAL YR 1982 TOTAL 3540.27 MEAN 20.8 MAX 69 MIN .11 CFSM 1.50 IN. 9.47
WTR YR 1983 TOTAL 11417.24 MEAN 31.3 MAX 369 MIN .59 CFSM 2.25 IN. 30.6

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE, ME

LOCATION.--Lat 46°43'50", long 68°46'18", Aroostook County, Hydrologic Unit 01010003, on right bank 0.3 mi west from logging route 42, 1.0 mi west of its intersection with the Carr Pond Road, and 18 mi west of Portage.

DRAINAGE AREA.--13.9 mi^2 .

PERIOD OF RECORD.--July 1982 to June 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 840 ft, from topographic map.

REMARKS.--Records good except those for winter period, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 409 ft^3/s Apr. 18, 1983, gage height, 14.47 ft; minimum discharge, 0.10 ft^3/s Aug. 9, 1982, gage height, 9.87 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft^3/s and maximum (*) during period October 1983 to June 1984:

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 27	0330	136	12.27	Apr. 25	1015	* 228	12.43
Apr. 17	1700	219	12.39	Jun. 01	unknown	129	11.97

Minimum discharge not determined, occurred during period of backwater from ice: minimum daily, 3.7 ft^3/s Mar. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	4.4	65	9.2	6.6	5.8	10	215	126			
2	13	4.2	53	8.9	6.5	5.7	11	190	114			
3	12	5.1	44	8.6	6.5	5.6	12	160	91			
4	11	14	37	8.4	6.5	5.4	13	150	72			
5	25	16	32	8.2	6.4	5.2	15	145	61			
6	57	23	28	7.9	8.9	5.2	18	140	52			
7	52	26	45	7.7	7.8	5.1	25	140	45			
8	48	27	50	7.6	7.0	5.0	30	135	34			
9	45	26	44	7.5	6.7	4.8	32	145	29			
10	43	23	38	7.4	6.3	4.7	34	145	24			
11	38	28	34	7.3	6.0	4.6	36	125	21			
12	34	42	29	7.2	5.8	4.5	45	120	18			
13	36	48	26	7.2	5.6	4.4	61	120	15			
14	40	45	40	7.1	5.8	4.3	88	110	---			
15	29	38	62	7.0	14	4.2	106	120	---			
16	21	34	53	7.0	16	4.1	120	95	---			
17	15	39	43	6.9	14	5.0	155	76	---			
18	11	41	35	6.9	11	4.3	204	60	---			
19	9.0	39	31	6.9	9.3	3.9	191	48	---			
20	8.0	34	28	6.8	8.2	3.7	183	40	---			
21	7.1	33	24	6.8	7.5	6.4	164	32	---			
22	6.4	35	21	6.8	6.8	5.4	136	28	---			
23	6.0	35	19	6.8	6.2	4.8	132	26	---			
24	5.6	32	17	6.7	5.8	4.5	172	28	---			
25	5.3	67	16	6.7	6.0	4.3	219	26	---			
26	5.0	119	14	6.7	8.0	4.2	193	23	---			
27	4.8	133	13	6.7	6.6	19	189	21	---			
28	4.6	116	12	6.6	6.0	15	201	19	---			
29	4.7	95	15	6.6	5.9	14	205	21	---			
30	4.6	79	11	6.6	---	12	210	47	---			
31	4.4	---	9.7	6.6	---	11	---	92	---			
TOTAL	1620.5	1300.7	988.7	225.3	223.7	196.1	3210	2842	---			
MEAN	20.0	43.4	31.9	7.27	7.71	6.33	107	91.7	---			
MAX	57	133	65	9.2	16	19	219	215	---			
MIN	4.4	4.2	9.7	6.6	5.6	3.7	10	19	---			
CFSM	1.44	3.12	2.29	.52	.55	.46	7.70	6.60	---			
IN.	1.66	3.48	2.65	.60	.60	.52	8.59	7.61	---			

CAL YR 1983 TOTAL 11707.19 MEAN 32.1 MAX 369 MIN .59 CFSM 2.31 IN. 31.33

Table 3.--Daily-mean discharge at stream-gaging stations--Continued

01012520 BALD MOUNTAIN BROOK NEAR BALD MOUNTAIN, ME

LOCATION.--Lat 46°44'23", long 68°45'21", Aroostook County, Hydrologic Unit 01010003, on left bank 30 ft (9 m) downstream from logging route 42, 0.3 mi (0.5 km) west of its intersection with the Carr Pond Road and 18 mi (29 km) west of Portage.

DRAINAGE AREA.--1.69 mi^2 (4.38 km^2).

PERIOD OF RECORD.--October 1980 to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 820 ft (250 m), from topographic map.

REMARKS.--Records good except those for winter period and period of no gage-height record Aug. 19 to Sept. 21.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25 ft^3/s (0.71 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)
Feb. 20	2300	ice jam		* 6.30	1.920	Apr. 7	1330	28	0.79	5.41	1.649
Apr. 6	1400	70	1.98	6.10	1.859	Aug. 17	2120	* 84	2.38	6.27	1.911

Minimum discharge, 0.14 ft^3/s (0.004 m^3/s) July 24, 25, Aug. 4, 5, gage height, 4.43 ft (1.350 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	2.0	3.6	.24	.21	5.0	6.0	6.0	3.7	.67	.37	.19
2	2.8	1.9	1.7	.24	.25	4.1	15	5.3	2.3	.51	.21	.18
3	2.6	1.6	3.8	.24	1.5	3.5	17	5.3	1.7	.42	.17	.17
4	2.5	1.4	18	.24	5.3	3.1	12	4.6	1.7	.38	.16	.17
5	5.8	1.7	4.4	.23	7.1	2.8	17	4.2	1.6	.38	1.2	.16
6	2.5	1.6	2.6	.23	5.5	2.6	25	4.1	1.5	.46	38	.16
7	2.0	1.4	1.7	.23	4.7	2.4	21	3.4	1.6	1.6	32	.16
8	1.7	2.5	1.2	.23	4.2	2.2	14	3.0	1.3	1.0	15	.16
9	1.6	2.3	1.6	.23	3.8	2.1	13	2.7	1.2	.70	9.2	7.1
10	1.5	1.8	.92	.23	3.4	2.0	21	2.5	1.3	.44	6.5	2.5
11	1.4	1.9	.60	.22	3.2	2.1	16	2.4	1.1	.36	5.4	.55
12	2.3	2.1	.44	.22	6.8	2.1	12	2.4	.93	.30	5.8	.26
13	7.0	1.9	.38	.22	9.1	1.8	8.7	6.3	.79	.27	5.1	.24
14	4.5	1.7	.36	.22	6.8	1.5	6.8	7.1	.69	.49	3.5	.24
15	3.2	1.5	.34	.22	5.4	1.3	6.0	4.6	.89	.57	2.8	.74
16	2.5	1.3	.33	.22	4.8	1.2	8.5	4.4	1.4	.29	9.9	.54
17	2.1	1.2	.32	.22	4.3	1.1	6.1	8.0	1.5	.22	34	.43
18	1.8	1.1	.31	.22	4.0	.93	5.2	6.7	1.1	.20	35	.38
19	1.7	1.1	.30	.22	4.1	.83	5.9	4.9	.70	.18	14	.35
20	1.6	1.2	.29	.22	5.0	.76	5.7	4.0	.73	.18	5.8	6.3
21	1.5	1.0	.29	.22	6.6	.71	4.6	3.5	1.6	.19	3.0	2.4
22	1.4	.96	.28	.22	9.2	.68	3.9	3.3	1.4	.22	2.0	1.4
23	1.3	1.0	.27	.22	10	.68	3.6	3.1	2.3	.16	1.4	2.9
24	1.3	.95	.27	.22	8.4	.78	4.2	2.7	1.3	.16	6.9	13
25	1.2	3.3	.27	.22	7.1	.90	5.4	2.4	1.0	.15	4.2	12
26	3.9	7.0	.26	.22	6.5	.88	5.1	2.4	4.9	.16	2.5	6.2
27	4.7	15	.26	.22	7.5	.98	5.0	2.6	3.4	.37	1.4	4.5
28	2.8	9.5	.26	.22	6.4	1.1	4.5	3.0	1.6	.32	.80	4.3
29	2.1	4.0	.25	.21	---	1.2	5.2	3.7	1.1	.22	.42	3.6
30	2.0	8.0	.25	.21	---	1.5	7.9	2.8	.81	1.9	.29	3.0
31	1.8	---	.25	.21	---	2.2	---	3.3	---	1.1	.21	---
TOTAL	78.1	83.91	46.10	6.93	151.16	55.03	291.3	124.7	47.14	14.57	247.23	74.28
MEAN	2.52	2.80	1.49	.22	5.40	1.78	9.71	4.02	1.57	.47	7.98	2.48
MAX	7.0	15	18	.24	10	5.0	25	8.0	4.9	1.9	38	13
MIN	1.2	.95	.25	.21	.21	.68	3.6	2.4	.69	.15	.16	.16
CFSM	1.49	1.66	.88	.13	3.19	1.05	5.75	2.38	.93	.28	4.72	1.47
IN.	1.72	1.85	1.01	.15	3.33	1.21	6.41	2.74	1.04	.32	5.44	1.64

WTR YR 1981 TOTAL 1220.44 MEAN 3.34 MAX 38 MIN .15 CFSM 1.98 IN. 26.9

01012520 BALD MOUNTAIN BROOK NEAR BALD MOUNTAIN, ME

LOCATION.--Lat 46°44'23", long 68°45'21", Aroostook County, Hydrologic Unit 01010003, on left bank 30 ft (9 m) downstream from logging route 42, 0.3 mi (0.5 km) west of its intersection with the Carr Pond Road and 18 mi (29 km) west of Portage.

DRAINAGE AREA.--1.69 mi^2 (4.38 km2).

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 820 ft (250 m), from topographic map.

REMARKS.--Records good except those for winter period, which are fair. No gage-height record Dec. 15 to Mar. 16.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 84 ft^3/s (2.38 m^3/s) Aug. 17. 1981, gage height, 6.27 ft (1.911 m); maximum gage height, 6.30 ft (1.920 m) Feb. 20, 1981 (backwater from ice); minimum discharge, 0.05 ft^3/s (0.001 m^3/s) July 17, 1982, gage height, 4.35 ft (1.326 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25 ft^3/s (0.71 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)
Apr. 2	1610	ice jam		* 6.16	1.878	Apr. 27	1240	* 51	1.44	5.82	1.774
Apr. 18	----	32	0.91	----	-----						

Minimum discharge, 0.05 ft^3/s (0.001 m^3/s) July 17, gage height, 4.35 ft (1.326 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	6.2	3.4	1.4	.48	.41	5.0	12	.59	.16	.08	.40
2	2.2	5.8	1.4	1.4	.48	.40	7.4	11	1.3	.12	.07	1.9
3	3.5	5.4	1.5	1.8	.50	.40	12	12	2.8	.14	.06	7.1
4	5.1	4.8	1.8	2.5	1.1	.40	7.8	13	1.6	.14	.06	4.4
5	3.5	4.2	1.8	3.2	2.7	.40	5.5	12	.97	.11	.07	1.6
6	2.5	3.9	2.4	4.2	2.3	.40	4.5	13	.71	.08	.08	1.1
7	4.3	4.3	7.4	3.6	1.9	.40	3.8	14	.51	.08	.07	2.5
8	15	4.3	7.7	3.0	1.6	.40	3.5	14	.46	.07	.08	1.4
9	11	3.8	5.8	2.6	1.4	.40	3.3	12	.24	.06	.08	.93
10	7.2	3.1	5.1	2.2	1.2	.41	3.2	9.4	.22	.06	.51	.74
11	5.8	2.7	4.5	1.9	1.1	.41	3.3	7.9	.20	.06	.24	.58
12	5.2	2.5	4.0	1.7	.96	.42	3.8	6.1	.16	.06	.12	.48
13	4.5	2.3	3.6	1.5	.87	.58	4.2	5.6	.16	.06	.14	.39
14	4.0	2.2	3.2	1.3	.80	.92	4.7	4.6	.22	.06	.24	.33
15	3.5	2.1	2.9	1.1	.74	.80	4.5	4.0	.22	.06	.22	.42
16	3.3	2.1	2.6	1.0	.69	.73	4.4	3.3	.77	.06	.11	1.6
17	3.1	2.1	2.5	.96	.65	.67	7.0	2.8	.69	.07	.08	4.0
18	2.8	3.0	2.3	.88	.62	.63	27	2.3	.27	.07	.07	1.8
19	8.4	3.7	2.2	.84	.58	.61	15	2.0	.18	.06	.07	1.2
20	7.3	2.8	2.1	.77	.55	.60	10	2.1	.20	.06	.07	.86
21	4.9	4.8	2.0	.74	.53	.79	15	2.1	.18	.06	.06	.69
22	3.9	7.5	1.9	.70	.50	.64	19	1.7	.24	.11	.06	.59
23	5.7	5.0	1.8	.66	.48	.52	13	1.4	.27	.14	.06	.51
24	20	3.3	1.8	.63	.46	.45	18	1.2	1.2	.08	.44	.55
25	14	2.6	1.7	.60	.45	.70	30	1.2	.51	.08	.48	.46
26	9.7	2.4	1.6	.57	.44	1.3	37	1.0	.27	.16	12	.41
27	9.9	2.3	1.6	.54	.43	2.2	43	.94	.16	.10	7.2	.69
28	16	2.3	1.5	.52	.42	4.0	35	.86	.12	.08	1.2	3.3
29	13	2.2	1.5	.51	---	6.8	25	.85	.14	.34	.78	1.7
30	9.2	2.3	1.5	.50	---	5.4	17	.77	.22	.20	.56	.92
31	7.2	---	1.5	.49	---	4.4	---	.69	---	.10	.47	---
TOTAL	218.3	106.0	86.6	44.31	24.93	37.59	391.9	175.81	15.78	3.09	25.83	43.55
MEAN	7.04	3.53	2.79	1.43	.89	1.21	13.1	5.67	.53	.10	.83	1.45
MAX	20	7.5	7.7	4.2	2.7	6.8	43	14	2.8	.34	12	7.1
MIN	2.2	2.1	1.4	.49	.42	.40	3.2	.69	.12	.06	.06	.33
CFSM	4.17	2.09	1.65	.85	.53	.72	7.73	3.36	.31	.06	.49	.86
IN.	4.81	2.33	1.91	.98	.55	.83	8.63	3.87	.35	.07	.57	.96

CAL YR 1981 TOTAL 1423.22 MEAN 3.90 MAX 38 MIN .15 CFSM 2.31 IN. 31.3
WTR YR 1982 TOTAL 1173.67 MEAN 3.22 MAX 43 MIN .06 CFSM 1.90 IN. 25.8

01012520 BALD MOUNTAIN BROOK NEAR BALD MOUNTAIN, ME

LOCATION.--Lat 46°44'23", long 68°45'21", Aroostook County, Hydrologic Unit 01010003, on left bank 30 ft downstream from logging route 42, 0.3 mi west of its intersection with the Carr Pond Road and 18 mi west of Portage.

DRAINAGE AREA.--1.69 mi^2 .

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 820 ft, from topographic map.

REMARKS.--Records good except those for winter period, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 198 ft^3/s Apr. 17, 1983, gage height, 7.57 ft; minimum, 0.05 ft^3/s July 17, 1982, gage height, 4.35 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 17	2215	* 198	7.57	May 31	0810	25	5.35
Apr. 25	2315	49	5.80	Jul. 22	0925	40	5.65

Minimum discharge, 0.11 ft^3/s Feb. 3, gage height, 4.41 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.34	2.1	.84	.14	.19	1.4	8.4	15	.36	1.3	2.5
2	3.6	.37	1.9	.74	.13	.19	1.3	8.9	10	.59	1.2	.94
3	1.9	1.1	2.2	.64	.13	.22	1.2	12	7.3	.93	1.1	.67
4	1.3	.80	5.4	.57	1.0	.27	1.1	10	5.9	.48	.85	.44
5	1.0	4.9	6.5	.53	3.3	.25	1.5	9.8	5.0	.63	.75	.30
6	.86	11	5.0	.48	2.1	.23	2.3	8.4	4.3	1.9	.69	.24
7	.77	5.2	5.0	.45	1.7	.21	4.0	7.1	6.7	.97	.88	.42
8	.91	3.5	3.5	.43	1.5	.20	6.1	6.4	5.7	.54	.66	.66
9	2.0	3.1	2.5	.41	1.4	.19	7.8	6.6	3.9	.48	.57	.35
10	1.5	2.5	1.8	.39	1.3	.18	13	7.8	3.1	.34	.44	.33
11	1.1	2.0	1.4	.64	1.1	.22	12	6.9	2.7	.31	.37	.30
12	.93	2.0	1.3	5.8	.92	.28	14	6.0	2.4	.28	.33	.28
13	.87	4.7	1.1	4.6	.74	1.3	13	6.5	2.2	.46	.29	.20
14	1.3	6.9	1.0	3.0	.61	7.4	13	8.1	2.0	.55	.24	.18
15	2.0	4.2	.92	2.1	.52	6.0	12	6.5	2.1	.50	.22	.17
16	1.5	3.1	1.3	1.5	.45	5.2	14	6.1	1.8	.56	.21	.16
17	1.2	2.6	4.6	1.1	.39	4.6	81	5.5	1.6	.36	.20	.21
18	.99	2.3	3.0	.88	.34	4.2	88	4.2	1.7	.25	.20	.49
19	.85	2.0	2.0	.72	.30	4.0	25	2.9	1.5	.20	.19	.42
20	.74	1.8	1.3	.60	.28	6.0	24	2.9	1.2	.23	.16	.33
21	.69	1.8	.90	.53	.26	8.5	18	3.6	1.0	.56	.15	.25
22	.64	3.1	.68	.48	.24	12	13	3.5	.85	25	.14	2.4
23	.54	5.1	.54	.45	.23	18	12	3.1	.75	10	.16	4.6
24	.51	6.5	.46	.52	.22	13	9.4	6.0	.66	5.3	.14	1.5
25	.49	5.5	.50	.58	.21	8.4	37	8.5	.58	5.0	.14	.86
26	.47	3.3	1.4	.50	.21	6.0	32	5.7	.50	3.4	.12	.69
27	.43	3.2	4.5	.35	.20	4.0	16	4.5	.64	2.4	1.1	.57
28	.44	6.2	3.3	.27	.20	3.0	12	10	.59	2.3	.59	.50
29	.42	5.2	2.0	.22	---	2.4	11	9.5	.44	1.9	.29	.44
30	.40	2.9	1.4	.19	---	2.0	9.4	7.4	.37	1.7	.22	.41
31	.38	---	1.0	.16	---	1.6	---	19	---	1.4	1.3	---
TOTAL	31.83	107.21	70.50	30.67	20.12	120.23	505.5	221.8	92.48	69.88	15.20	21.81
MEAN	1.03	3.57	2.27	.99	.72	3.88	16.8	7.15	3.08	2.25	.49	.73
MAX	3.6	11	6.5	5.8	3.3	18	88	19	15	25	1.3	4.6
MIN	.38	.34	.46	.16	.13	.18	1.1	2.9	.37	.20	.12	.16
CFSM	.61	2.11	1.35	.59	.43	2.29	9.97	4.23	1.82	1.33	.29	.43
IN.	.70	2.36	1.55	.68	.44	2.65	11.1	4.88	2.04	1.54	.33	.48

CAL YR 1982 TOTAL 972.32 MEAN 2.66 MAX 43 MIN .06 CFSM 1.58 IN. 21.4
WTR YR 1983 TOTAL 1307.21 MEAN 3.58 MAX 88 MIN .12 CFSM 2.12 IN. 28.8

01012520 BALD MOUNTAIN BROOK NEAR BALD MOUNTAIN, ME

LOCATION.--Lat 46°44'23", long 68°45'21", Aroostook County, Hydrologic Unit 01010003, on left bank 30 ft downstream from logging route 42, 0.3 mi west of its intersection with the Carr Pond Road and 18 mi west of Portage.

DRAINAGE AREA.--1.73 mi^2 , revised.

PERIOD OF RECORD.--October 1980 to September 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 820 ft, from topographic map.

REMARKS.--Records good except those for winter period, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 198 ft^3/s Apr. 17, 1983, gage height, 7.57 ft; minimum, 0.05 ft^3/s July 17, 1982, gage height, 4.35 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 26	0220	53	5.87	Jul. 16	0900	30	5.45
Apr. 18	0355	47	5.77	Aug. 15	1850	* 195	7.55
Apr. 25	0210	47	5.77				

Minimum discharge, 0.27 ft^3/s Aug 9-14, gage height, 4.49 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.38	.42	3.9	1.5	.52	.74	1.3	15	15	2.2	.75	3.1
2	.34	.40	3.4	1.4	.52	.68	1.4	9.1	8.0	1.9	.65	2.3
3	.31	.69	3.0	1.3	.52	.66	1.5	5.8	5.8	1.5	.55	1.9
4	.30	3.6	2.6	1.3	.52	.64	1.6	5.3	4.7	1.3	.48	1.8
5	1.0	2.9	2.4	1.2	1.2	.62	2.0	7.5	3.9	2.3	.43	2.4
6	6.9	3.8	2.2	1.2	1.1	.60	2.6	9.5	3.3	2.8	.38	2.0
7	4.3	4.6	5.0	1.1	.98	.58	6.5	6.4	2.9	2.0	.41	1.7
8	2.0	3.3	12	1.0	.87	.56	5.9	5.2	2.7	2.8	.42	1.5
9	1.6	2.4	7.0	1.0	.74	.54	5.5	5.5	2.5	2.0	.32	1.3
10	1.3	1.9	4.3	.95	.64	.53	5.2	5.3	2.3	1.4	.29	1.1
11	1.0	3.3	3.1	.91	.56	.52	4.8	4.2	1.9	1.2	.28	1.0
12	.92	6.5	2.5	.87	.50	.51	6.1	3.9	1.7	2.3	.29	.88
13	1.6	5.7	2.1	.84	.52	.50	7.8	4.5	1.9	2.1	.29	.76
14	2.1	3.6	11	.80	.60	.48	13	4.1	2.5	1.5	.51	.66
15	1.6	2.9	17	.77	1.5	.47	19	5.9	2.2	2.3	43	.58
16	1.1	2.5	9.0	.75	4.6	.46	25	4.8	1.6	19	35	.51
17	.93	4.0	5.9	.72	3.5	.65	35	3.5	1.2	8.5	16	.44
18	.86	4.4	4.7	.69	2.6	.60	30	2.8	1.1	4.9	9.7	.39
19	.78	3.3	4.0	.66	1.9	.53	25	2.5	7.3	3.6	6.7	.35
20	.71	2.8	3.6	.64	1.4	.43	23	2.5	5.1	3.0	5.6	.80
21	.62	2.7	3.2	.62	1.1	.92	19	2.4	2.6	2.6	4.7	.70
22	.54	3.4	2.9	.60	.86	.82	16	2.1	2.1	2.2	3.9	.62
23	.51	3.1	2.6	.59	.70	.71	13	1.9	1.6	2.2	3.5	.56
24	.57	2.9	2.4	.58	.58	.62	31	2.6	1.3	2.5	3.9	.51
25	.56	13	2.2	.57	.50	.55	41	2.2	1.9	2.0	3.9	.47
26	.48	35	2.1	.56	1.1	.50	26	1.8	5.2	1.6	3.0	.44
27	.46	13	1.9	.55	.97	1.9	26	1.7	5.8	1.8	2.6	.41
28	.46	7.8	1.8	.54	.87	1.7	26	1.4	4.0	1.6	2.3	.38
29	.60	5.5	1.7	.54	.78	1.5	20	1.8	3.0	1.3	2.1	.36
30	.54	4.5	1.6	.53	---	1.4	17	7.4	2.5	1.0	2.0	.35
31	.46	---	1.5	.53	---	1.2	---	14	---	.84	3.1	---
TOTAL	35.83	153.91	132.6	25.81	32.75	23.12	457.2	152.6	107.6	88.24	157.05	30.27
MEAN	1.16	5.13	4.28	.83	1.13	.75	15.2	4.92	3.59	2.85	5.07	1.01
MAX	6.9	35	17	1.5	4.6	1.9	41	15	15	19	43	3.1
MIN	.30	.40	1.5	.53	.50	.43	1.3	1.4	1.1	.84	.28	.35
CFSM	.68	3.04	2.53	.49	.67	.44	9.02	2.91	2.12	1.68	3.00	.60
IN.	.79	3.39	2.92	.57	.72	.51	10.1	3.36	2.37	1.94	3.46	.67

CAL YR 1983 TOTAL 1420.01 MEAN 3.89 MAX 88 MIN .12 CFSM 2.30 IN. 31.3
WTR YR 1984 TOTAL 1396.96 MEAN 3.82 MAX 43 MIN .28 CFSM 2.26 IN. 30.7

Table 3.--Daily-mean discharge at stream-gaging stations--Continued

01012525 BISHOP MOUNTAIN BROOK NEAR BISHOP MOUNTAIN, ME

LOCATION.--Lat 46°44'43", long 68°45'11", Aroostook County, Hydrologic Unit 01010003, on left bank 0.3 mi (0.5 km) north from logging route 42, 0.3 mi (0.5 km) west of its intersection with the Carr Pond Road and 18 mi (29 km) west of Portage.

DRAINAGE AREA.--1.04 mi^2 (2.69 km^2).

PERIOD OF RECORD.--Nov. 5, 1981 to Sept. 30, 1982.

GAGE.--Water-stage recorder. Altitude of gage is 820 ft (250 m), from topographic map.

REMARKS.--Records fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25 ft^3/s (0.71 m^3/s) and maximums (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)
Mar. 27	1205	ice jam		* 7.60	2.316	Apr. 27	0815	* 61	1.73	6.57	2.003
Apr. 18	----	26	0.74	--	--						

Minimum discharge, 0.05 ft^3/s (0.001 m^3/s) July 10-12, 15, gage height, 5.23 (1.594 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	.98	.68	.28	.23	3.2	7.2	.38	.30	.15	.80
2	---	---	1.1	.67	.27	.22	5.0	5.0	.50	.24	.14	7.3
3	---	---	1.2	1.1	.27	.22	7.0	3.5	2.0	.21	.12	8.9
4	---	---	1.3	1.8	1.0	.22	4.0	4.5	1.2	.22	.10	6.1
5	---	2.1	1.3	2.6	2.5	.22	3.2	3.7	.70	.18	.13	3.2
6	---	2.0	2.1	3.5	1.8	.22	2.7	5.0	.45	.14	.14	2.5
7	---	2.5	7.7	2.3	1.4	.22	2.3	6.0	.30	.13	.15	3.9
8	---	2.6	6.3	1.8	1.1	.22	2.1	7.4	.20	.11	.14	2.5
9	---	2.2	3.5	1.6	.86	.21	2.0	6.3	.15	.07	.15	1.8
10	---	1.9	2.4	1.4	.74	.21	2.0	4.9	.13	.06	1.2	1.4
11	---	1.5	2.1	1.2	.62	.21	2.2	4.0	.11	.05	.48	1.0
12	---	1.4	1.7	1.0	.52	.21	2.4	3.6	.10	.05	.26	.86
13	---	1.2	1.5	.90	.45	.35	2.7	3.0	.10	.05	.29	.66
14	---	1.1	1.4	.80	.39	.84	2.9	2.5	.14	.06	.57	.49
15	---	1.1	1.3	.73	.34	.72	2.8	2.2	.13	.05	.53	.60
16	---	1.1	1.2	.66	.31	.61	2.7	1.9	.60	.07	.34	2.2
17	---	1.3	1.1	.60	.28	.52	5.0	1.6	.50	.12	.18	3.3
18	---	2.8	1.1	.56	.26	.43	22	1.3	.25	.13	.18	2.1
19	---	3.7	1.0	.51	.25	.38	16	1.1	.11	.13	.12	1.6
20	---	2.4	.98	.47	.24	.37	12	1.2	.12	.10	.09	1.1
21	---	5.6	.95	.44	.24	.60	8.8	1.2	.11	.09	.06	.89
22	---	7.9	.92	.41	.24	.45	14	1.1	.15	.11	.06	.78
23	---	4.0	.92	.38	.24	.33	10	.90	.17	.23	.06	.71
24	---	2.5	.87	.36	.23	.26	11	.76	.80	.14	.50	.71
25	---	2.0	.84	.34	.23	.40	17	.74	.60	.13	1.5	.70
26	---	1.6	.80	.32	.23	.65	21	.60	.44	.22	14	.65
27	---	1.4	.77	.31	.23	1.5	33	.58	.33	.16	5.2	.87
28	---	1.3	.74	.30	.23	3.0	22	.54	.24	.14	3.6	1.9
29	---	1.2	.72	.29	---	5.0	16	.52	.26	.70	2.2	1.9
30	---	1.1	.70	.29	---	3.6	12	.46	.41	.40	1.5	2.1
31	---	---	.69	.28	---	2.4	---	.42	---	.20	1.1	---
TOTAL	---	---	50.18	28.60	15.75	25.02	269.0	83.72	11.68	4.99	35.24	63.52
MEAN	---	---	1.62	.92	.56	.81	8.97	2.70	.39	.16	1.14	2.12
MAX	---	---	7.7	3.5	2.5	5.0	33	7.4	2.0	.70	14	8.9
MIN	---	---	.69	.28	.23	.21	2.0	.42	.10	.05	.06	.49
CFSM	---	---	1.56	.89	.54	.78	8.62	2.60	.37	.15	1.09	2.04
IN.	---	---	1.79	1.02	.56	.89	9.62	2.99	.42	.18	1.26	2.27

Table 3.--Daily-mean discharge at stream-gaging stations--Continued

01012525 BISHOP MOUNTAIN BROOK NEAR BISHOP MOUNTAIN, ME

LOCATION.--Lat 46°44'43", long 68°45'11", Aroostook County, Hydrologic Unit 01010003, on left bank 0.3 mi north from logging route 42, 0.3 mi west of its intersection with the Carr Pond Road and 18 mi west of Portage.

DRAINAGE AREA.--1.04 mi^2 .

PERIOD OF RECORD.--November 1981 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 820 ft, from topographic map.

REMARKS.--Records good except those for winter period, which are fair. No gage height record Jan. 14 to Apr. 7.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125 ft^3/s Apr. 18, 1983. Maximum gage height, 7.60 ft Mar. 27, 1982 (backwater from ice); minimum daily discharge, 0.04 ft^3/s June 27, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 18	--	* 125	--	Jul. 22	0445	41	* 6.38

Minimum daily discharge, 0.04 ft^3/s June 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	.60	2.2	.41	.17	.16	1.5	5.2	4.5	.06	.96	3.1
2	8.4	.78	2.0	.34	.16	.16	1.2	5.6	3.0	.13	.91	1.5
3	5.3	1.9	4.0	.30	.15	.18	1.1	8.2	2.2	.21	.85	.83
4	4.0	1.7	9.2	.28	.90	.19	.98	7.0	2.1	.17	.70	.60
5	3.4	5.7	7.8	.26	2.5	.18	.93	6.0	1.9	.40	.61	.50
6	1.9	5.3	6.4	.24	1.9	.17	2.0	4.9	1.9	.81	.54	.37
7	1.7	3.1	6.1	.23	1.5	.16	3.5	4.0	3.7	.50	.53	.43
8	2.1	2.7	4.6	.22	1.2	.15	6.0	3.6	2.4	.29	.45	.50
9	4.5	2.4	3.5	.21	1.1	.14	14	4.4	1.6	.25	.40	.36
10	3.9	2.1	2.1	.20	1.0	.35	13	5.2	1.1	.18	.34	.41
11	2.8	1.9	1.6	1.0	.92	.80	9.9	3.8	1.1	.16	.27	.33
12	2.3	1.9	1.3	6.0	.78	1.5	12	3.3	.93	.15	.25	.30
13	2.1	5.2	1.0	4.5	.67	3.5	12	4.2	.90	.31	.25	.23
14	3.1	4.1	.83	3.0	.57	7.0	12	4.2	1.3	.43	.23	.18
15	4.9	2.8	.73	1.8	.48	6.0	11	3.4	2.0	.49	.21	.15
16	4.1	2.4	1.5	1.2	.40	5.0	12	3.3	.98	.54	.22	.13
17	3.1	2.2	5.0	.95	.35	4.1	57	2.5	.75	.41	.22	.11
18	2.4	2.1	2.1	.78	.30	3.3	70	2.3	.65	.25	.21	.34
19	2.0	1.9	1.2	.63	.27	3.1	10	2.1	.54	.20	.21	.29
20	1.5	1.8	.82	.54	.25	5.0	9.8	2.2	.38	.23	.18	.24
21	.93	2.3	.68	.48	.24	7.0	8.6	2.6	.42	1.0	.34	.19
22	.89	4.3	.57	.42	.22	10	7.9	2.5	.29	23	.17	.75
23	.79	6.8	.48	.40	.21	15	4.7	2.4	.22	8.8	.17	3.8
24	.74	8.8	.40	.43	.20	12	2.9	5.5	.12	5.8	.17	2.1
25	.71	6.7	.45	.50	.19	9.0	22	6.5	.08	5.5	.17	1.0
26	.71	4.5	1.7	.43	.18	7.0	18	3.9	.05	3.8	.18	.48
27	.66	3.8	7.6	.35	.18	5.4	14	3.0	.04	2.7	1.2	.40
28	.68	3.7	2.8	.29	.17	4.0	12	8.3	.08	2.7	1.1	.35
29	.66	3.0	1.5	.25	---	2.8	8.3	6.1	.05	2.2	.75	.31
30	.65	2.4	.80	.22	---	2.2	6.0	5.1	.05	1.8	.55	.28
31	.64	---	.51	.19	---	1.8	---	7.6	---	1.3	1.9	---
TOTAL	74.96	98.88	81.47	27.05	17.16	117.34	364.31	138.9	35.33	64.77	15.24	20.56
MEAN	2.42	3.30	2.63	.87	.61	3.79	12.1	4.48	1.18	2.09	.49	.69
MAX	8.4	8.8	9.2	6.0	2.5	15	70	8.3	4.5	23	1.9	3.8
MIN	.64	.60	.40	.19	.15	.14	.93	2.1	.04	.06	.17	.11
CFSM	2.33	3.17	2.53	.84	.59	3.64	11.7	4.31	1.13	2.01	.47	.66
IN.	2.68	3.54	2.91	.97	.61	4.20	13.0	4.97	1.26	2.32	.55	.74

CAL YR 1982 TOTAL 792.82 MEAN 2.17 MAX 33 MIN .05 CFSM 2.09 IN. 28.4
WTR YR 1983 TOTAL 1055.96 MEAN 2.89 MAX 70 MIN .04 CFSM 2.78 IN. 37.8

01012525 BISHOP MOUNTAIN BROOK NEAR BISHOP MOUNTAIN, ME

LOCATION.--Lat 46°44'43", long 68°45'11", Aroostook County, Hydrologic Unit 01010003, on left bank 0.3 mi north from logging route 42, 0.3 mi west of its intersection with the Carr Pond Road and 18 mi west of Portage.

DRAINAGE AREA.--1.15 mi^2, revised.

PERIOD OF RECORD.--November 1981 to September 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 820 ft, from topographic map.

REMARKS.--Records good except those for winter period, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft^3/s Aug. 15, 1984. Maximum gage height, 7.60 ft Mar. 27, 1982 (backwater from ice); minimum daily discharge, 0.04 ft^3/s June 27, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 25 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 25	1925	26	6.21	Aug. 15	1840	* 136	7.09
Apr. 24	1930	26	6.22				

Minimum discharge, 0.13 ft^3/s Aug. 6, 7, 9-14, gage height, 5.35 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.19	2.3	.90	.38	.44	.77	16	9.2	1.2	.31	.89
2	.22	.18	1.9	.86	.38	.42	.84	12	5.7	.88	.27	.63
3	.20	.38	1.7	.82	.38	.40	.90	8.6	3.9	.67	.23	.48
4	.19	2.4	1.6	.78	.38	.38	1.0	8.0	3.0	.55	.20	.46
5	.90	1.9	1.4	.75	.75	.37	1.2	10	2.5	.89	.17	.71
6	4.2	2.7	1.3	.72	.70	.36	1.6	11	2.1	1.0	.15	.61
7	2.4	3.0	3.0	.69	.62	.35	3.5	8.5	2.0	.86	.16	.46
8	1.4	2.0	7.0	.66	.52	.34	3.2	7.0	1.9	1.4	.17	.39
9	1.0	1.5	3.5	.63	.45	.33	3.0	8.3	1.7	.95	.15	.34
10	.78	1.1	1.7	.61	.39	.32	2.8	7.0	1.3	.67	.14	.30
11	.61	2.0	1.4	.59	.34	.32	2.7	5.8	1.0	.51	.14	.27
12	.58	4.9	1.3	.57	.30	.31	3.3	5.6	.86	1.2	.14	.25
13	.90	3.4	1.2	.55	.32	.30	4.2	5.7	.95	1.1	.15	.23
14	1.3	1.9	5.0	.53	.34	.29	6.0	5.5	1.2	.77	.22	.22
15	1.0	1.4	7.2	.51	.60	.28	8.4	7.4	1.3	1.1	24	.21
16	.70	1.2	5.9	.50	3.0	.28	12	5.2	.94	8.9	13	.20
17	.48	2.5	3.2	.49	2.2	.41	17	3.9	.69	4.1	4.7	.19
18	.35	2.7	2.5	.48	1.6	.35	15	3.3	.62	2.0	2.5	.18
19	.27	2.0	2.2	.47	1.2	.30	13	2.9	5.3	1.6	1.9	.17
20	.24	1.6	2.0	.46	.90	.26	13	2.8	2.8	1.2	1.6	.50
21	.20	1.7	1.9	.45	.71	.56	12	2.6	1.6	.89	1.3	.43
22	.18	2.2	1.7	.44	.58	.49	11	2.1	1.3	.76	1.0	.38
23	.17	1.9	1.6	.43	.45	.43	13	2.0	.95	.75	.91	.34
24	.19	1.8	1.4	.42	.35	.38	18	2.8	.73	.97	1.1	.31
25	.18	9.8	1.4	.42	.39	.33	18	2.3	1.1	.74	1.2	.29
26	.16	11	1.3	.41	.70	.30	15	1.9	3.5	.62	.85	.27
27	.16	6.2	1.2	.41	.56	1.1	16	1.7	3.5	.76	.68	.25
28	.16	4.0	1.1	.40	.50	.98	15	1.4	2.2	.75	.56	.23
29	.22	3.0	1.1	.39	.46	.90	15	1.8	1.8	.59	.47	.22
30	.22	2.6	1.0	.39	---	.82	15	7.2	1.5	.45	.45	.20
31	.20	---	.95	.38	---	.75	---	11	---	.36	.90	---
TOTAL	20.01	83.15	71.95	17.11	20.45	13.85	261.41	181.3	67.14	39.19	59.72	10.61
MEAN	.65	2.77	2.32	.55	.71	.45	8.71	5.85	2.24	1.26	1.93	.35
MAX	4.2	11	7.2	.90	3.0	1.1	18	16	9.2	8.9	24	.89
MIN	.16	.18	.95	.38	.30	.26	.77	1.4	.62	.36	.14	.17
CFSM	.62	2.67	2.23	.53	.68	.43	8.38	5.62	2.15	1.22	1.85	.34
IN.	.72	2.97	2.57	.61	.73	.50	9.35	6.48	2.40	1.40	2.14	.38

CAL YR 1983 TOTAL 975.76 MEAN 2.67 MAX 70 MIN .04 CFSM 2.57 IN. 34.9
WTR YR 1984 TOTAL 845.88 MEAN 2.31 MAX 24 MIN .14 CFSM 2.22 IN. 30.3

Table 3.--Daily-mean discharge at stream-gaging stations--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE, ME

LOCATION.--Lat 46°47'22", long 68°46'25", Aroostook County, Hydrologic Unit 01010003, on right bank 30 ft (9 m) upstream from Fox Brook tote Road and 20 mi (32 km) west of Portage.

DRAINAGE AREA.--70.3 mi^2 (182.1 km^2).

PERIOD OF RECORD.--July 16 to Sept. 30, 1982.

GAGE.--Water-stage recorder. Altitude of gage is 720 ft (219 m), from topographic map.

REMARKS.--Records fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft^3/s (8.50 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)
Aug. 26	1100	* 437	12.4	5.02	1.530	Sept. 3	1830	346	9.80	4.52	1.378

Minimum discharge, 2.5 ft^3/s (0.071 m^3/s) July 25, gage height, 1.26 ft (0.384 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	5.0	42
2										---	4.5	127
3										---	4.2	274
4										---	3.6	271
5										---	3.8	189
6										---	3.5	148
7										---	3.1	177
8										---	3.3	147
9										---	3.0	120
10										---	7.2	103
11										---	12	91
12										---	8.4	81
13										---	7.7	70
14										---	9.4	60
15										4.7	12	57
16										4.5	10	62
17										4.2	9.3	102
18										4.0	8.7	87
19										3.8	7.4	76
20										3.8	7.6	66
21										3.5	6.5	58
22										3.3	5.2	53
23										3.1	4.5	49
24										2.8	7.7	46
25										2.7	14	43
26										3.5	294	40
27										3.6	160	40
28										3.3	107	90
29										7.1	76	75
30										9.8	59	62
31										5.9	48	---
TOTAL										---	915.6	2906
MEAN										---	29.5	96.9
MAX										---	294	274
MIN										---	3.0	40
CFSM										---	.42	1.38
IN.										---	.48	1.54

01012570 FISH RIVER AT INLET FISH RIVER LAKE, ME

LOCATION.--Lat 46°47'22", long 68°46'25", Aroostook County, Hydrologic Unit 01010003, on right bank 30 ft upstream from Fox Brook Tote Road and 20 mi west of Portage.

DRAINAGE AREA.--70.3 mi^2

PERIOD OF RECORD.--July 16 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 720 ft, from topographic map.

REMARKS.--Records good except those for winter period, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1650 ft^3/s Apr. 18, 1983, gage height, 9.93 ft; minimum discharge 2.5 ft^3/s July 25, 1982, gage height, 1.26 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 550 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 18	1015	* 1650	9.93	May 31	1500	823	6.81
Apr. 26	0615	1240	8.47	Jul. 22	1430	554	5.70
May 28	1945	573	5.70				

Minimum discharge, 2.8 ft^3/s August 26, gage height, 1.29 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	29	150	95	19	18	130	663	772	24	56	36
2	127	29	149	85	17	17	115	627	669	24	52	24
3	102	37	149	68	16	20	105	673	565	26	47	22
4	87	38	225	53	45	25	98	655	487	24	42	30
5	78	110	282	45	120	23	120	628	416	30	37	20
6	72	403	260	39	100	21	155	579	361	63	33	16
7	66	305	264	34	80	19	210	519	417	46	33	14
8	63	264	230	31	73	17	270	461	374	35	29	19
9	86	243	190	29	70	16	360	434	310	33	27	17
10	81	212	170	28	65	15	490	460	264	28	24	16
11	72	185	155	70	61	17	430	419	227	25	21	17
12	66	169	140	245	56	20	490	383	198	23	19	16
13	62	231	125	200	52	54	430	372	173	23	17	14
14	64	313	120	140	49	170	425	386	154	22	15	12
15	71	268	116	100	45	150	437	352	148	21	14	10
16	69	246	124	86	42	140	481	330	127	21	13	8.6
17	64	219	191	74	39	130	845	296	112	20	12	7.7
18	59	196	155	63	36	125	1550	262	108	17	11	13
19	54	176	125	55	33	140	1310	233	97	16	10	17
20	50	157	110	49	31	180	1140	218	84	15	8.1	15
21	48	148	98	44	29	260	1020	234	72	17	7.0	13
22	46	176	90	39	28	370	884	226	63	404	4.5	65
23	42	211	84	36	26	500	777	213	55	320	4.3	107
24	40	264	82	40	24	410	719	302	49	204	3.8	55
25	41	265	87	45	23	340	1010	415	43	197	3.5	40
26	39	215	130	41	22	290	1210	377	38	157	3.1	34
27	36	190	194	36	21	250	1040	335	36	120	14	30
28	34	175	167	32	19	210	868	485	34	105	16	27
29	33	165	140	28	---	185	786	523	30	89	8.5	23
30	32	160	120	25	---	165	731	468	27	77	6.5	22
31	30	---	105	22	---	145	---	760	---	65	14	---
TOTAL	1875	5799	4727	1977	1241	4442	18636	13288	6510	2291	605.3	760.3
MEAN	60.5	193	152	63.8	44.3	143	621	429	217	73.9	19.5	25.3
MAX	127	403	282	245	120	500	1550	760	772	404	56	107
MIN	30	29	82	22	16	15	98	213	27	15	3.1	7.7
CFSM	.86	2.75	2.17	.91	.63	2.04	8.84	6.10	3.09	1.05	.28	.36
IN.	.99	3.07	2.50	1.05	.66	2.35	9.86	7.03	3.44	1.21	.32	.40

CAL YR 1982 TOTAL 16296.2 MEAN 95.9 MAX 403 MIN 2.7 CFSM 1.36 IN. 8.62
WTR YR 1983 TOTAL 62151.6 MEAN 170 MAX 1550 MIN 3.1 CFSM 2.42 IN. 32.9

01012570 FISH RIVER AT INLET FISH RIVER LAKE, ME

LOCATION.--Lat 46°47'22", long 68°46'25", Aroostook County, Hydrologic Unit 01010003, on right bank 30 ft upstream from Fox Brook Tote Road and 20 mi west of Portage.

DRAINAGE AREA.--70.3 mi^2

PERIOD OF RECORD.--July 1982 to June 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 720 ft, from topographic map.

REMARKS.--Records good except those for winter period, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1650 ft^3/s Apr. 18, 1983, gage height, 9.93 ft; minimum discharge 2.5 ft^3/s July 25, 1982, gage height, 1.26 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 550 ft^3/s and maximum (*) during period October 1983 to June 1984:

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 26	1315	954	7.34	May 01	0600	1480	7.93
Apr. 18	0430	* 1610	8.18	Jun. 01	0730	755	a 6.70

a Backwater from highway bridge construction.

Minimum discharge, 17 ft^3/s October 3, 4, gage height, 1.66 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	25	370	50	28	32	54	1440	680			
2	19	24	300	46	28	30	60	1290	550			
3	18	27	250	43	28	29	65	1050	460			
4	18	99	210	41	27	28	75	911	390			
5	27	98	190	40	27	28	92	851	320			
6	148	113	170	39	47	27	120	844	270			
7	125	152	280	38	42	26	150	838	225			
8	91	142	330	37	39	26	240	797	190			
9	79	125	285	36	35	25	310	841	150			
10	68	113	250	35	33	24	300	827	120			
11	59	135	215	34	31	24	290	720	100			
12	53	250	185	34	30	23	280	674	84			
13	57	275	160	33	29	23	330	674	---			
14	71	227	240	33	50	23	440	619	---			
15	67	192	350	32	77	22	600	654	---			
16	59	179	300	31	83	22	810	572	---			
17	52	242	255	31	73	26	1070	490	---			
18	48	264	210	30	64	24	1500	415	---			
19	45	228	185	30	55	21	1130	354	---			
20	41	202	160	30	48	20	985	309	---			
21	38	198	140	29	43	34	970	270	---			
22	36	226	125	29	39	30	858	234	---			
23	34	208	110	29	36	26	831	209	---			
24	33	195	100	29	33	24	1070	284	---			
25	31	342	94	29	37	23	1290	241	---			
26	29	859	85	28	43	22	1200	210	---			
27	27	739	76	28	37	100	1200	192	---			
28	26	608	70	28	34	88	1280	170	---			
29	28	515	76	28	33	78	1270	164	---			
30	29	435	68	28	---	70	1310	330	---			
31	27	---	56	28	---	60	---	500	---			
TOTAL	1504	7437	5895	1036	1209	1058	20180	17974	---			
MEAN	48.5	248	190	33.4	41.7	34.1	673	580	---			
MAX	148	859	370	50	83	100	1500	1440	---			
MIN	18	24	56	28	27	20	54	164	---			
CFSM	.69	3.53	2.70	.48	.59	.49	9.57	8.25	---			
IN.	.80	3.94	3.12	.55	.64	.56	10.7	9.51	---			

CAL YR 1983 TOTAL 64587 MEAN 177 MAX 1550 MIN 3.1 CFSM 2.52 IN. 34.2

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE ME SITE 6

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
AUG 1979										
07...	1500	--	41	6.8	21.0	55	1.5	8.3	0.3	K11
21...	0900	--	34	6.7	20.0	60	1.5	11.2	2.1	--
SEP										
04...	0900	--	42	6.8	20.0	50	1.5	9.1	.5	K6
18...	0900	--	38	6.8	18.0	70	1.8	8.7	--	K9
OCT										
22...	1000	--	42	6.3	10.0	70	1.6	9.6	1.2	--
JAN 1980										
29...	1100	--	54	6.8	0.0	--	1.3	14.8	--	--
FEB										
19...	1100	--	62	6.7	0.0	70	1.1	13.1	1.0	K3
MAR										
20...	1100	--	52	6.4	2.0	60	1.7	12.0	2.8	K3
APR										
23...	1100	--	38	6.3	2.0	40	5.8	12.2	1.3	<1
MAY										
20...	1020	--	30	7.0	14.0	35	1.5	9.8	2.1	K1
JUN										
17...	1120	--	35	6.3	15.0	50	3.7	8.5	.8	--
JUL										
13...	1120	--	39	6.1	20.0	55	3.3	7.4	--	--
AUG										
29...	1015	--	40	6.3	20.0	45	1.4	7.6	--	--
SEP										
29...	1020	--	34	6.9	8.0	50	2.3	11.0	--	--
OCT										
14...	1030	--	52	6.3	6.0	55	1.8	11.2	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
AUG 1979										
07...	10	--	--	0.01	<0.01	--	--	--	--	--
21...	10	--	--	.01	.01	--	--	--	--	--
SEP										
04...	8	--	--	<.01	<.01	--	--	--	--	--
18...	13	--	--	<.01	<.01	--	--	--	--	--
OCT										
22...	11	--	--	.03	.04	--	--	--	--	--
JAN 1980										
29...	--	28	--	--	--	--	--	--	--	0.02
FEB										
19...	28	73	--	.11	--	--	0.2	0.31	1.4	.01
MAR										
20...	12	50	--	.16	.03	0.27	.3	.46	2.0	.01
APR										
23...	4	--	--	.23	.03	.27	.3	.53	2.3	.02
MAY										
20...	5	37	--	.19	.02	.38	.4	.59	2.6	.01
JUN										
17...	11	67	--	.05	.02	.38	.4	.45	2.0	.01
JUL										
13...	10	60	--	--	--	--	--	--	--	--
AUG										
29...	11	48	--	--	--	--	--	--	--	.01
SEP										
29...	11	53	--	--	--	--	--	--	--	.01
OCT										
14...	14	56	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE ME SITE 6

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
AUG 1979								
07...	--	--	--	--	<6	<4	--	190
21...	--	--	--	--	--	--	--	--
SEP								
04...	--	--	--	--	--	--	--	--
18...	--	--	--	<2	--	--	--	--
OCT								
22...	--	--	--	<2	<6	<4	--	250
JAN 1980								
29...	--	--	--	<2	<6	<4	--	--
FEB								
19...	--	--	--	<2	<6	<4	--	250
MAR								
20...	--	--	--	--	--	<4	--	250
APR								
23...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	<2	<20	<4	--	--
JUN								
17...	--	--	--	<2	<5	2	--	220
JUL								
13...	--	--	--	--	<5	2	--	290
AUG								
29...	--	--	--	--	--	4	--	320
SEP								
29...	--	--	--	--	--	<4	--	200
OCT								
14...	--	--	<4	--	--	<6	--	190

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
AUG 1979								
07...	--	<20	--	1.3	<2	--	3	--
21...	--	--	--	--	--	--	4	--
SEP								
04...	--	--	--	--	--	--	2	--
18...	--	--	--	--	--	--	2	--
OCT								
22...	--	<20	--	<0.2	--	--	--	--
JAN 1980								
29...	--	<20	--	<.2	<2	--	--	--
FEB								
19...	--	<20	--	<.2	8	--	--	--
MAR								
20...	--	<20	--	--	2	--	4	--
APR								
23...	--	<30	--	--	4	--	3	--
MAY								
20...	--	30	--	--	30	--	3	--
JUN								
17...	--	<30	--	.3	20	--	7	--
JUL								
13...	--	--	--	--	5	--	--	--
AUG								
29...	--	--	--	--	6	--	--	--
SEP								
29...	--	--	--	--	6	--	--	
OCT								
14...	--	--	--	--	<5	--	--	

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE ME SITE 6

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
NOV 1980										
21...	1020	--	32	6.1	0.0	55	2.1	13.0	--	--
DEC										
12...	1045	--	50	6.1	0.0	65	1.5	13.1	--	--
JAN 1981										
20...	1100	--	53	6.1	0.0	60	1.8	11.6	--	--
FEB										
23...	1740	--	30	--	2.0	70	3.4	12.2	--	--
MAR										
25...	1015	--	31	6.1	2.0	40	2.3	11.8	--	--
APR										
14...	1020	--	23	6.1	2.0	45	3.1	11.4	--	--
MAY										
15...	1107	--	21	6.6	12.0	55	1.7	10.4	--	--
JUN										
10...	1000	--	31	6.6	13.0	50	1.7	9.3	--	--
JUL										
21...	1000	--	45	6.6	--	50	1.8	--	--	--
AUG										
24...	1210	--	30	6.1	19.0	100	1.4	7.9	--	--
SEP										
22...	1345	--	30	7.0	13.0	90	1.9	9.5	--	--
OCT										
20...	1345	--	--	6.3	6.0	90	2.1	13.2	--	--
NOV										
17...	1405	--	35	6.1	4.0	60	1.8	10.5	--	--
DEC										
15...	1240	--	58	6.2	1.0	60	1.5	13.4	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)
NOV 1980										
21...	11	66	--	--	--	--	--	--	--	0.01
DEC										
12...	10	61	--	--	--	--	--	--	--	.02
JAN 1981										
20...	14	--	--	--	--	--	--	--	--	.01
FEB										
23...	6	--	--	--	--	--	--	--	--	.02
MAR										
25...	--	--	--	--	--	--	--	--	--	.01
APR										
14...	10	45	--	--	--	--	--	--	--	.02
MAY										
15...	11	80	--	--	--	--	--	--	--	.01
JUN										
10...	13	66	--	--	--	--	--	--	--	.01
JUL										
21...	11	48	--	--	--	--	--	--	--	.02
AUG										
24...	5	45	--	--	--	--	--	--	--	--
SEP										
22...	8	65	--	--	--	--	--	--	--	--
OCT										
20...	6	42	--	--	--	--	--	--	--	.01
NOV										
17...	7	86	--	--	--	--	--	--	--	.01
DEC										
15...	9	36	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE ME SITE 6

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
NOV 1980								
21...	--	--	--	--	--	<1	--	--
DEC								
12...	--	--	--	--	--	2	--	220
JAN 1981								
20...	--	--	--	--	--	--	--	190
FEB								
23...	--	--	--	--	--	1	--	330
MAR								
25...	--	--	--	--	--	1	--	210
APR								
14...	--	--	--	--	--	1	--	260
MAY								
15...	--	--	--	--	--	<1	--	200
JUN								
10...	--	--	--	--	--	1	--	160
JUL								
21...	--	--	--	--	--	<1	--	240
AUG								
24...	180	--	--	<4	--	1	--	250
SEP								
22...	--	--	--	--	--	<2	--	280
OCT								
20...	--	--	--	--	--	2	--	260
NOV								
17...	--	--	--	--	--	1	--	240
DEC								
15...	--	--	--	--	--	<1	--	180

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
NOV 1980								
21...	--	<2	--	--	<4	--	--	--
DEC								
12...	--	--	--	--	5	--	--	--
JAN 1981								
20...	--	--	--	--	5	--	--	--
FEB								
23...	--	--	--	--	4	--	--	--
MAR								
25...	--	--	--	--	S3	--	3	--
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	3	--
JUN								
10...	--	--	--	--	--	--	6	--
JUL								
21...	--	--	--	--	<5	--	5	--
AUG								
24...	--	<4	--	<0.002	<4	--	--	--
SEP								
22...	--	--	--	--	9	--	--	--
OCT								
20...	--	--	--	--	5	--	--	--
NOV								
17...	--	<1	--	--	6	--	--	--
DEC								
15...	--	<1	--	--	5	--	--	--

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE ME SITE 6

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JAN 1982										
21...	1400	--	34	6.6	0.0	55	1.5	13.4	--	--
FEB										
18...	1215	--	22	6.9	0.0	50	1.3	--	--	--
MAR										
18...	1430	--	58	6.6	3.0	50	2.1	12.4	--	--
22...	1430	--	--	--	--	--	--	--	--	--
APR										
18...	1545	--	42	6.4	0.5	40	5.0	12.4	--	--
MAY										
26...	1200	--	26	6.8	13.5	35	1.5	10.4	--	--
JUL										
20...	1240	0.24	42	7.0	22.0	35	1.2	8.4	--	--
AUG										
11...	1300	.71	36	7.2	19.5	35	1.4	--	--	--
OCT										
20...	1300	14	25	6.6	11.0	50	1.3	10.0	--	--
NOV										
23...	1200	45	35	6.8	2.0	60	3.1	12.4	--	--
DEC										
08...	1215	52	29	6.7	0.5	50	1.1	13.0	--	--
JAN 1983										
29...	1240	E4.9	33	6.4	0.0	--	2.0	--	--	--
FEB										
19...	1410	E3.6	30	6.1	0.0	45	1.6	13.2	--	--
MAR										
25...	1430	53	75	6.0	0.0	40	12	13.0	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
JAN 1982										
21...	8	54	--	--	--	--	--	--	--	0.01
FED										
18...	9	53	--	--	--	--	--	--	--	.01
MAR										
18...	8	95	26	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	.01
APR										
18...	4	59	--	--	--	--	--	--	--	--
MAY										
26...	9	60	--	--	--	--	--	--	--	--
JUL										
20...	16	45	21	--	--	--	--	--	--	.02
AUG										
11...	6	42	--	--	--	--	--	--	--	.01
OCT										
20...	9	63	--	--	--	--	--	--	--	--
NOV										
23...	7	57	--	--	--	--	--	--	--	.01
DEC										
08...	7	51	--	--	--	--	--	--	--	.01
JAN 1983										
29...	--	57	--	--	--	--	--	--	--	--
FEB										
19...	9	--	--	--	--	--	--	--	--	.01
MAR										
25...	10	--	--	--	--	--	--	--	--	.02

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE ME SITE 6

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JAN 1982								
21...	--	--	--	--	--	1	--	180
FEB								
18...	--	--	--	--	--	4	--	160
MAR								
18...	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	2	--	170
APR								
18...	420	--	--	--	--	1	1	440
MAY								
26...	150	<100	--	--	--	<1	--	140
JUL								
20...	--	--	--	--	--	<1	--	120
AUG								
11...	--	--	--	--	--	3	--	160
OCT								
20...	--	--	--	--	--	<1	--	130
NOV								
23...	--	--	--	--	--	<1	--	230
DEC								
08...	--	--	--	--	--	<1	--	170
JAN 1983								
29...	--	--	--	--	--	<1	--	150
FEB								
19...	--	--	--	--	--	1	--	160
MAR								
25...	--	--	--	--	--	1	--	730

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JAN 1982								
21...	--	--	--	--	5	--	--	--
FEB								
18...	--	--	--	--	14	--	--	--
MAR								
18...	--	--	--	--	--	--	3	--
22...	--	<1	--	--	9	--	--	--
APR								
18...	--	<1	--	--	<8	<8	40	--
MAY								
26...	80	<1	<1	--	<5	--	--	--
JUL								
20...	--	--	--	--	<5	--	1	<0.01
AUG								
11...	--	--	--	--	<8	--	1	<.01
OCT								
20...	--	--	--	--	--	--	2	.08
NOV								
23...	--	--	--	--	<5	--	6	.73
DEC								
08...	--	--	--	--	<5	--	2	.28
JAN 1983								
29...	--	--	--	--	<5	--	2	.03
FEB								
19...	--	--	--	--	9	--	--	--
MAR								
25...	--	--	--	--	<5	--	--	--

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE ME SITE 6

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
APR 1983										
19...	1400	253	16	6.6	3.5	40	11	11.6	--	--
26...	1100	206	--	--	--	--	--	--	--	--
MAY										
19...	1200	37	--	--	--	--	--	--	--	--
JUN										
14...	1530	23	--	6.8	24.0	30	1.7	9.0	--	--
JUL										
19...	1600	5.4	40	6.9	22.0	35	--	8.4	--	--
AUG										
30...	1150	3.6	29	--	20.0	40	2.1	8.1	--	--
OCT										
06...	1200	62	--	6.3	11.0	70	2.5	10.1	--	--
25...	1415	5.4	28	7.1	7.5	50	0.9	--	--	--
MAR 1984										
29...	1630	E14	33	6.7	1.5	40	3.7	12.0	--	--
APR										
30...	1500	E210	15	6.8	5.5	50	.9	11.4	--	--
MAY										
17...	1554	E76	29	--	10.0	50	1.6	10.2	--	--
30...	1200	48	24	6.8	--	65	2.2	--	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
APR 1983										
19...	3	--	--	--	--	--	--	--	--	--
26...	15	--	--	--	--	--	--	--	--	0.03
MAY										
19...	--	--	--	--	--	--	--	--	--	.01
JUN										
14...	8	--	--	--	--	--	--	--	--	--
JUL										
19...	12	--	--	--	--	--	--	--	--	.02
AUG										
30...	13	--	--	--	--	--	--	--	--	.02
OCT										
06...	10	87	--	--	--	--	--	--	--	--
25...	10	40	--	--	--	--	--	--	--	.01
MAR 1984										
29...	9	61	--	--	--	--	--	--	--	--
APR										
30...	3	45	--	--	--	--	--	--	--	--
MAY										
17...	7	55	--	--	--	--	--	--	--	--
30...	4	41	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012515 CLAYTON STREAM AT OUTLET CLAYTON LAKE ME SITE 6

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
APR 1983								
19...	--	--	--	--	--	<1	--	690
26...	--	--	--	--	--	<1	--	590
MAY								
19...	--	--	--	--	--	1	--	180
JUN								
14...	--	--	--	--	--	--	--	--
JUL								
19...	--	--	--	--	--	1	--	200
AUG								
30...	--	--	--	--	--	1	--	180
OCT								
06...	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	<1	--	140
MAR 1984								
29...	--	--	--	--	--	1	--	220
APR								
30...	--	--	--	--	--	<1	--	100
MAY								
17...	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	<1	--	160

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
APR 1983								
19...	--	--	--	--	6	--	--	--
26...	--	--	--	--	<5	--	--	--
MAY								
19...	--	<1	--	--	<5	--	--	--
JUN								
14...	--	--	--	--	--	--	--	--
JUL								
19...	--	--	--	--	15	--	--	--
AUG								
30...	--	--	--	--	9	--	6	0.05
OCT								
06...	--	--	--	--	--	--	3	.54
25...	--	--	--	--	<5	--	1	.01
MAR 1984								
29...	--	<1	--	--	<5	--	4	.15
APR								
30...	--	<1	--	--	<5	--	4	2.3
MAY								
17...	--	--	--	--	--	--	2	.41
30...	--	<1	--	--	<5	--	5	.65

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012520 BALD MOUNTAIN BROOK NR BALD MOUNTAIN ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JUN 1979										
11...	0900	--	35	7.0	13.0	--	0.5	8.9	0.8	K2
26...	0900	--	48	6.8	13.0	--	.8	10.0	.6	K14
JUL										
17...	0915	--	--	6.9	17.0	--	1.1	9.2	.6	K8
24...	0915	--	78	--	20.0	--	1.5	8.8	.5	K5
AUG										
07...	0900	--	66	7.1	18.0	>70	1.3	8.5	.4	K13
21...	0930	--	53	6.9	18.0	>70	2.6	11.5	1.5	--
SEP										
04...	0930	--	68	7.0	18.0	50	1.5	9.0	.5	K7
18...	0930	--	46	6.5	13.0	70	1.8	9.4	--	--
OCT										
22...	1100	--	58	6.9	10.0	55	1.0	10.1	.5	--
FEB 1980										
19...	1330	--	115	6.7	0.0	20	3.7	10.9	.7	K1
APR										
23...	1130	--	32	6.5	1.0	45	2.7	12.1	.4	--
MAY										
20...	1315	--	30	7.0	6.0	35	2.1	10.6	2.3	K1
JUN										
17...	1400	--	49	6.8	10.0	35	1.4	11.2	<.1	--
JUL										
13...	1330	--	50	6.3	14.0	60	2.9	9.5	--	--
AUG										
14...	1145	--	78	7.0	14.0	35	1.3	9.6	--	--
SEP										
29...	1145	--	48	6.7	5.0	70	2.6	11.8	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
JUN 1979										
11...	20	--	--	<0.01	<0.01	--	--	--	--	<0.01
26...	9	--	--	<.01	<.01	--	--	--	--	--
JUL										
17...	17	--	--	.01	<.01	--	0.3	0.31	1.4	.01
24...	22	--	--	.03	<.01	--	--	--	--	--
AUG										
07...	18	--	--	.04	<.01	--	--	--	--	--
21...	18	--	--	.06	<.01	--	--	--	--	--
SEP										
04...	20	--	--	.04	<.01	--	--	--	--	--
18...	21	--	--	<.01	<.01	--	--	--	--	--
OCT										
22...	14	--	--	.04	<.01	--	--	--	--	--
FEB 1980										
19...	30	78	--	.22	--	--	.1	.32	1.4	.02
APR										
23...	6	67	--	.32	<.01	--	.4	.72	3.2	.02
MAY										
20...	5	42	--	.42	.03	0.07	.1	.52	2.3	.01
JUN										
17...	11	86	--	.37	.01	.19	.2	.57	2.5	.01
JUL										
13...	11	68	--	--	--	--	--	--	--	.01
AUG										
14...	26	88	--	--	--	--	--	--	--	.01
SEP										
29...	18	72	--	--	--	--	--	--	--	.03

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012520 BALD MOUNTAIN BROOK NR BALD MOUNTAIN ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUN 1979								
11...	--	--	--	2	<6	<4	--	--
26...	--	--	--	--	--	--	--	--
JUL								
17...	--	--	--	2	<6	<4	--	240
24...	--	--	--	2	<6	<4	--	120
AUG								
07...	--	--	--	--	<6	<4	--	200
21...	--	--	--	--	--	--	--	--
SEP								
04...	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--
OCT								
22...	--	--	--	2	<6	<4	--	120
FEB 1980								
19...	--	--	--	2	6	4	--	260
APR								
23...	--	--	--	2	<5	<10	--	--
MAY								
20...	--	--	--	2	<20	<4	--	--
JUN								
17...	--	--	--	2	<5	8	--	100
JUL								
13...	--	--	--	--	<5	<2	--	160
AUG								
14...	--	--	--	--	--	<4	--	120
SEP								
29...	--	--	--	--	--	<4	--	320

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUN 1979								
11...	--	<20	--	--	20	--	--	--
26...	--	--	--	--	--	--	3	0.0
JUL								
17...	--	<20	--	0.4	<2	--	2	0.0
24...	--	<20	--	.3	2	--	2	0.0
AUG								
07...	--	<20	--	.3	<2	--	1	0.0
21...	--	--	--	--	--	--	2	0.0
SEP								
04...	--	--	--	--	--	--	1	0.0
18...	--	--	--	--	--	--	--	--
OCT								
22...	--	<20	--	<.2	--	--	1	0.0
FEB 1980								
19...	--	20	--	.2	8	--	--	--
APR								
23...	--	<30	--	--	4	--	5	0.0
MAY								
20...	--	30	--	--	10	--	2	0.0
JUN								
17...	--	<30	--	<.2	8	--	1	0.0
JUL								
13...	--	--	--	--	3	--	--	--
AUG								
14...	--	--	--	--	2	--	--	--
SEP								
29...	--	--	--	--	<2	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012520 BALD MOUNTAIN BROOK NR BALD MOUNTAIN ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
OCT 1980										
14...	1145	E4.5	55	6.2	5.0	50	6.4	11.3	--	--
NOV										
21...	1145	1.1	185	6.6	0.0	35	1.8	13.4	--	--
DEC										
12...	1330	0.46	55	6.2	0.0	45	1.6	13.2	--	--
JAN 1981										
20...	1230	E.22	68	6.6	0.0	30	5.4	13.7	--	--
FEB										
23...	1230	E10	25	6.0	2.0	90	7.5	12.1	--	--
MAR										
18...	1015	E.93	55	6.6	2.0	20	0.7	13.2	--	--
APR										
14...	1315	E6.8	41	6.1	0.0	45	2.1	12.0	--	--
MAY										
15...	1405	4.6	31	6.1	6.0	90	1.5	11.5	--	--
JUN										
10...	1415	1.3	42	6.9	9.0	20	.9	11.0	--	--
JUL										
21...	1415	.19	97	7.1	--	45	3.5	--	--	--
AUG										
24...	1430	E6.9	40	6.1	13.0	80	1.2	8.2	--	--
SEP										
22...	1305	1.3	30	7.0	9.0	90	1.6	10.1	--	--
OCT										
20...	1305	6.9	41	6.3	6.0	80	1.5	12.4	--	--
NOV										
17...	1230	2.1	66	6.6	3.0	30	1.9	11.0	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
OCT 1980										
14...	24	71	--	--	--	--	--	--	--	0.02
NOV										
21...	16	64	--	--	--	--	--	--	--	<.01
DEC										
12...	12	58	--	--	--	--	--	--	--	.01
JAN 1981										
20...	29	--	--	--	--	--	--	--	--	.01
FEB										
23...	5	--	--	--	--	--	--	--	--	.03
MAR										
18...	18	83	--	--	--	--	--	--	--	<.01
APR										
14...	12	49	--	--	--	--	--	--	--	.01
MAY										
15...	9	57	--	--	--	--	--	--	--	.01
JUN										
10...	19	66	--	--	--	--	--	--	--	<.01
JUL										
21...	35	99	--	--	--	--	--	--	--	--
AUG										
24...	9	51	--	--	--	--	--	--	--	--
SEP										
22...	11	70	--	--	--	--	--	--	--	--
OCT										
20...	6	65	--	--	--	--	--	--	--	.01
NOV										
17...	12	88	--	--	--	--	--	--	--	<.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012520 BALD MOUNTAIN BROOK NR BALD MOUNTAIN ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT 1980								
14...	--	--	<4	--	--	2	--	460
NOV								
21...	--	--	--	--	--	<1	--	--
DEC								
12...	--	--	--	--	--	1	--	160
JAN 1981								
20...	--	--	--	--	--	--	--	280
FEB								
23...	--	--	--	--	--	3	--	740
MAR								
18...	--	--	--	--	--	3	--	90
APR								
14...	--	--	--	--	--	3	--	230
MAY								
15...	--	--	--	--	--	<1	--	160
JUN								
10...	--	--	--	--	--	1	--	120
JUL								
21...	--	--	--	--	--	2	--	290
AUG								
24...	100	--	--	--	--	16	--	150
SEP								
22...	--	--	--	--	--	<2	--	280
OCT								
20...	--	--	--	--	--	1	--	170
NOV								
17...	--	--	--	--	--	<8	--	220

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT 1980								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	<4	--	--	--
DEC								
12...	--	--	--	--	<2	--	--	--
JAN 1981								
20...	--	--	--	--	5	--	--	--
FEB								
23...	--	--	--	--	<3	--	9	0.24
MAR								
18...	--	--	--	--	19	--	3	.01
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	1	.01
JUN								
10...	--	--	--	--	--	--	4	.01
JUL								
21...	--	--	--	--	<5	--	6	.00
AUG								
24...	--	<4	--	<0.2	15	--	--	--
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
20...	--	--	--	--	<5	--	--	--
NOV								
17...	--	<1	--	--	12	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012520 BALD MOUNTAIN BROOK NR BALD MOUNTAIN ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
DEC 1981										
15...	1200	E2.9	40	6.7	0.0	35	1.1	13.3	--	--
JAN 1982										
21...	1430	E0.74	48	6.8	0.0	25	1.0	12.4	--	--
FEB										
18...	1145	E.62	49	6.8	0.0	25	1.1	--	--	--
MAR										
18...	1400	E.63	150	7.0	2.0	40	2.5	12.8	--	--
APR										
18...	1105	E27	55	6.2	.5	60	2.8	10.6	--	--
18...	1305	E27	--	--	--	--	--	--	--	--
18...	1520	E27	--	--	--	--	--	--	--	--
19...	1705	E27	--	--	--	--	--	--	--	--
MAY										
03...	1340	12	--	--	1.5	--	--	11.8	--	--
26...	1305	.96	42	6.7	11.0	25	0.8	10.2	--	--
JUL										
20...	1258	.06	105	7.1	19.5	35	3.0	10.8	--	--
AUG										
11...	1330	.16	65	7.0	14.5	60	2.7	8.8	--	--
SEP										
13...	1530	.38	89	7.1	18.0	50	1.9	9.4	--	--
OCT										
20...	1430	.69	49	6.7	9.0	55	1.2	11.8	--	--
NOV										
22...	1430	3.3	50	6.5	2.0	85	15	12.6	--	--
DEC										
08...	1240	3.3	42	6.5	0.0	55	3.6	13.2	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
DEC 1981										
15...	10	71	--	--	--	--	--	--	--	<0.01
JAN 1982										
21...	15	81	--	--	--	--	--	--	--	<.01
FEB										
18...	19	62	--	--	--	--	--	--	--	.01
MAR										
18...	16	119	32	--	--	--	--	--	--	.01
APR										
18...	7	82	--	--	--	--	--	--	--	.02
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
MAY										
03...	--	--	--	--	--	--	--	--	--	--
26...	14	63	--	--	--	--	--	--	--	--
JUL										
20...	40	112	29	--	--	--	--	--	--	.01
AUG										
11...	29	80	--	--	--	--	--	--	--	.03
SEP										
13...	13	91	46	--	--	--	--	--	--	.01
OCT										
20...	16	72	--	--	--	--	--	--	--	--
NOV										
22...	7	76	--	--	--	--	--	--	--	--
DEC										
08...	5	69	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012520 BALD MOUNTAIN BROOK NR BALD MOUNTAIN ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
DEC 1981								
15...	--	--	--	--	--	<1	--	90
JAN 1982								
21...	--	--	--	--	--	<1	--	80
FEB								
18...	--	--	--	--	--	1	--	50
MAR								
18...	--	--	--	--	--	1	--	130
APR								
18...	320	--	--	--	--	1	--	350
18...	330	--	--	--	--	1	--	300
18...	280	--	--	--	--	1	--	250
19...	360	--	--	--	--	1	--	320
MAY								
03...	290	<100	--	--	--	1	2	270
26...	110	<100	--	--	--	1	1	120
JUL								
20...	--	--	--	--	--	<1	--	150
AUG								
11...	--	--	--	--	--	12	--	250
SEP								
13...	--	--	--	--	--	2	--	190
OCT								
20...	--	--	--	--	--	--	--	--
NOV								
22...	--	--	--	--	--	1	--	890
DEC								
08...	--	--	--	--	--	<1	--	240

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
DEC 1981								
15...	--	<1	--	--	<5	--	--	--
JAN 1982								
21...	--	--	--	--	<5	--	--	--
FEB								
18...	--	--	--	--	6	--	--	--
MAR								
18...	--	--	--	--	5	--	1	0.00
APR								
18...	--	<1	--	--	<8	--	5	--
18...	--	<1	--	--	<8	--	--	--
18...	--	<1	--	--	<8	--	--	--
19...	--	<1	--	--	<8	--	--	--
MAY								
03...	60	<1	<1	--	<5	<5	1	--
26...	60	<1	<1	--	<5	<5	--	--
JUL								
20...	--	<1	--	--	<1	--	2	0.00
AUG								
11...	--	--	--	--	<8	--	2	0.00
SEP								
13...	--	--	--	--	<5	--	2	0.00
OCT								
20...	--	--	--	--	--	--	1	0.00
NOV								
22...	--	--	--	--	10	--	7	.06
DEC								
08...	--	--	--	--	6	--	2	.02

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012520 BALD MOUNTAIN BROOK NR BALD MOUNTAIN ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JAN 1983										
29...	1100	E0.22	--	--	0.0	--	1.6	--	--	--
FEB										
19...	1300	E.30	49	6.2	0.0	35	1.3	12.8	--	--
MAR										
25...	1430	E8.4	75	6.4	0.0	45	8.6	12.6	--	--
APR										
19...	1300	23	23	6.9	2.5	40	9.0	12.2	--	--
26...	1240	29	--	--	--	--	--	--	--	--
MAY										
19...	1230	2.8	--	--	--	--	--	--	--	--
JUN										
14...	1435	1.8	--	6.8	15.0	45	2.1	9.0	--	--
JUL										
19...	1610	.22	70	7.1	16.5	40	--	8.4	--	--
AUG										
30...	1035	.20	55	--	13.0	35	2.6	9.8	--	--
OCT										
06...	1115	6.9	--	6.1	9.0	70	1.6	9.9	--	--
25...	1330	.51	48	6.6	3.6	35	1.5	11.8	--	--
MAR 1984										
29...	1700	1.6	45	7.0	.5	45	8.9	12.6	--	--
APR										
30...	1540	16	18	6.7	4.5	50	0.8	11.2	--	--
MAY										
17...	1034	3.5	30	--	3.0	40	1.2	13.2	--	--
17...	1500	3.5	29	--	6.0	50	1.2	11.0	--	--
30...	1230	7.2	32	6.6	8.5	80	1.6	8.6	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)
JAN 1983										
29...	--	--	--	--	--	--	--	--	--	<0.01
FEB										
19...	23	57	--	--	--	--	--	--	--	<.01
MAR										
25...	12	--	--	--	--	--	--	--	--	.02
APR										
19...	4	--	--	--	--	--	--	--	--	--
26...	16	33	--	--	--	--	--	--	--	.04
MAY										
19...	--	--	--	--	--	--	--	--	--	.02
JUN										
14...	10	--	--	--	--	--	--	--	--	.01
JUL										
19...	32	--	--	--	--	--	--	--	--	.01
AUG										
30...	28	--	--	--	--	--	--	--	--	.01
OCT										
06...	8	118	--	--	--	--	--	--	--	.01
25...	21	54	--	--	--	--	--	--	--	.01
MAR 1984										
29...	13	74	--	--	--	--	--	--	--	--
APR										
30...	2	49	--	--	--	--	--	--	--	--
MAY										
17...	8	63	--	--	--	--	--	--	--	--
17...	6	68	--	--	--	--	--	--	--	--
30...	4	50	--	--	--	--	--	--	--	.02

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012520 BALD MOUNTAIN BROOK NR BALD MOUNTAIN ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JAN 1983								
29...	--	--	--	--	--	<1	--	80
FEB								
19...	--	--	--	--	--	<1	--	100
MAR								
25...	--	--	--	--	--	2	--	920
APR								
19...	--	--	--	--	--	<1	--	580
26...	--	--	--	--	--	1	--	330
MAY								
19...	--	--	--	--	--	1	--	170
JUN								
14...	--	--	--	--	--	1	--	170
JUL								
19...	--	--	--	--	--	3	--	100
AUG								
30...	--	--	--	--	--	1	--	160
OCT								
06...	--	--	--	--	--	1	--	280
25...	--	--	--	--	--	<1	--	140
MAR 1984								
29...	--	--	--	--	--	2	--	580
APR								
30...	--	--	--	--	--	--	--	--
MAY								
17...	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	1	--	150

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JAN 1983								
29...	--	--	--	--	<5	--	1	0.00
FEB								
19...	--	--	--	--	<5	--	--	--
MAR								
25...	--	--	--	--	8	--	--	--
APR								
19...	--	--	--	--	5	--	--	--
26...	--	--	--	--	10	--	5	.39
MAY								
19...	--	2	--	--	<5	--	--	--
JUN								
14...	--	--	--	--	<10	--	--	--
JUL								
19...	--	--	--	--	6	--	--	--
AUG								
30...	--	--	--	--	<5	--	4	0.00
OCT								
06...	--	--	--	--	12	--	3	.06
25...	--	--	--	--	38	--	6	.01
MAR 1984								
29...	--	<1	--	--	9	--	6	.02
APR								
30...	--	--	--	--	--	--	2	.08
MAY								
17...	--	--	--	--	--	--	1	.01
17...	--	--	--	--	--	--	2	.02
30...	--	<1	--	--	6	--	2	.04

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012525 BISHOP MOUNTAIN BROOK NR BISHOP MTN ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
AUG 1980										
29...	1245	--	60	6.7	16.0	25	1.0	8.8	--	--
SEP										
29...	1245	--	38	6.2	5.0	70	2.1	10.8	--	--
OCT										
14...	1245	--	61	6.2	5.0	65	2.6	11.0	--	--
NOV										
21...	1300	--	155	6.8	0.0	40	1.5	12.9	--	--
DEC										
12...	1400	--	115	6.0	0.0	60	1.4	13.1	--	--
JAN 1981										
20...	1315	--	58	6.6	0.0	30	2.3	13.8	--	--
FEB										
23...	1355	--	22	6.0	2.0	80	4.2	11.4	--	--
MAR										
18...	1115	--	46	6.5	1.0	30	1.9	13.1	--	--
APR										
14...	1345	--	55	6.1	0.0	45	2.6	11.8	--	--
MAY										
15...	1220	--	28	6.1	6.0	70	1.0	10.7	--	--
JUN										
10...	1440	--	40	6.2	10.0	45	2.1	8.9	--	--
JUL										
21...	1440	--	88	6.3	16.0	180	3.2	--	--	--
AUG										
24...	1345	--	33	6.1	14.0	80	1.2	7.6	--	--
SEP										
22...	1250	--	25	6.8	10.0	90	2.0	9.4	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
AUG 1980										
29...	21	57	--	--	--	--	--	--	--	0.02
SEP										
29...	10	64	--	--	--	--	--	--	--	.03
OCT										
14...	12	81	--	--	--	--	--	--	--	.01
NOV										
21...	13	77	--	--	--	--	--	--	--	.01
DEC										
12...	16	59	--	--	--	--	--	--	--	.02
JAN 1981										
20...	23	--	--	--	--	--	--	--	--	.01
FEB										
23...	6	--	--	--	--	--	--	--	--	.02
MAR										
18...	17	54	--	--	--	--	--	--	--	.01
APR										
14...	12	51	--	--	--	--	--	--	--	.01
MAY										
15...	8	108	--	--	--	--	--	--	--	--
JUN										
10...	18	70	--	--	--	--	--	--	--	.01
JUL										
21...	44	92	--	--	--	--	--	--	--	.02
AUG										
24...	8	52	--	--	--	--	--	--	--	--
SEP										
22...	11	58	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012525 BISHOP MOUNTAIN BROOK NR BISHOP MTN ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
OCT 1981										
20...	1250	--	39	6.1	5.0	90	1.8	11.4	--	--
NOV										
17...	1210	1.3	58	6.4	3.0	40	2.7	10.6	--	--
DEC										
15...	1130	E1.3	34	6.2	0.0	45	1.3	12.9	--	--
JAN 1982										
21...	1110	E0.44	44	6.7	0.0	45	2.0	12.2	--	--
FEB										
18...	1100	E.26	37	7.0	0.0	35	2.0	--	--	--
MAR										
18...	1300	E.43	59	6.5	3.0	50	4.5	12.0	--	--
APR										
18...	1135	E22	--	6.1	--	100	18	--	--	--
18...	1335	E22	--	--	--	--	--	--	--	--
18...	1605	E22	--	--	--	--	--	--	--	--
19...	1535	E16	--	--	--	--	--	--	--	--
MAY										
03...	1450	E3.5	--	--	1.0	--	--	--	--	--
26...	1400	E.60	33	6.5	10.0	35	1.8	10.8	--	--
JUL										
20...	1035	.13	93	6.7	21.0	80	1.9	6.7	--	--
AUG										
11...	1400	.42	70	6.6	17.0	70	1.5	7.2	--	--
SEP										
13...	1400	.55	58	5.9	19.0	100	2.2	8.4	--	--
OCT										
20...	1400	1.8	38	6.9	10.0	60	1.3	10.4	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
OCT 1981										
20...	6	62	--	--	--	--	--	--	--	0.01
NOV										
17...	9	78	--	--	--	--	--	--	--	.01
DEC										
15...	7	54	--	--	--	--	--	--	--	.01
JAN 1982										
21...	15	64	--	--	--	--	--	--	--	.01
FEB										
18...	16	70	--	--	--	--	--	--	--	.01
MAR										
18...	29	117	30	--	--	--	--	--	--	.01
APR										
18...	3	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
MAY										
03...	--	--	--	--	--	--	--	--	--	--
26...	11	61	--	--	--	--	--	--	--	--
JUL										
20...	42	99	35	--	--	--	--	--	--	.02
AUG										
11...	34	--	--	--	--	--	--	--	--	.02
SEP										
13...	6	76	47	--	--	--	--	--	--	.02
OCT										
20...	13	59	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012525 BISHOP MOUNTAIN BROOK NR BISHOP MTN ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
NOV 1982										
22...	1600	8.2	40	6.4	3.0	80	3.6	12.4	--	--
DEC										
08...	1130	4.6	30	6.1	1.0	60	1.4	13.2	--	--
JAN 1983										
29...	1030	E0.38	53	6.4	0.0	--	2.3	--	--	--
FEB										
19...	1345	E.27	42	6.1	0.0	25	2.2	12.6	--	--
MAR										
25...	1430	E9.0	75	6.3	0.0	55	9.1	12.8	--	--
APR										
19...	1130	9.9	20	7.1	4.0	40	14	11.4	--	--
26...	1330	E18	--	--	--	--	--	--	--	--
MAY										
19...	1200	2.1	--	--	--	--	--	--	--	--
JUN										
14...	1250	.80	38	6.8	16.0	40	1.5	10.0	--	--
JUL										
19...	1555	.25	58	6.6	22.5	60	--	7.0	--	--
AUG										
30...	1020	.53	39	--	15.0	70	3.4	7.6	--	--
OCT										
06...	1400	E4.2	--	6.0	9.0	70	2.8	9.1	--	--
25...	1155	.18	38	7.0	4.0	55	2.7	12.1	--	--
MAR 1984										
29...	1645	E .90	37	6.3	1.0	35	3.1	10.8	--	--
APR										
30...	1355	14	16	6.5	5.5	50	0.6	10.6	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
NOV 1982										
22...	5	61	--	--	--	--	--	--	--	0.01
DEC										
08...	4	63	--	--	--	--	--	--	--	.01
JAN 1983										
29...	--	80	--	--	--	--	--	--	--	.01
FEB										
19...	26	55	--	--	--	--	--	--	--	<.01
MAR										
25...	14	--	--	--	--	--	--	--	--	.02
APR										
19...	5	--	--	--	--	--	--	--	--	--
26...	13	45	--	--	--	--	--	--	--	.04
MAY										
19...	--	--	--	--	--	--	--	--	--	.01
JUN										
14...	16	--	--	--	--	--	--	--	--	.01
JUL										
19...	20	--	--	--	--	--	--	--	--	.02
AUG										
30...	22	--	--	--	--	--	--	--	--	.02
OCT										
06...	8	112	--	--	--	--	--	--	--	.02
25...	16	55	--	--	--	--	--	--	--	.01
MAR 1984										
29...	10	62	--	--	--	--	--	--	--	--
APR										
30...	3	46	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012525 BISHOP MOUNTAIN BROOK NR BISHOP MTN ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
AUG 1980								
29...	--	--	--	--	--	<4	--	560
SEP								
29...	--	--	--	--	--	<4	--	410
OCT								
14...	--	--	<4	--	--	<6	--	270
NOV								
21...	--	--	--	--	--	<1	--	--
DEC								
12...	--	--	--	--	--	2	--	160
JAN 1981								
20...	--	--	--	--	--	--	--	130
FEB								
23...	--	--	--	--	--	<1	--	380
MAR								
18...	--	--	--	--	--	3	--	140
APR								
14...	--	--	--	--	--	1	--	230
MAY								
15...	--	--	--	--	--	<1	--	160
JUN								
10...	--	--	--	--	--	<1	--	190
JUL								
21...	--	--	--	--	--	<2	--	850
AUG								
24...	<100	--	--	<4	--	16	--	60
SEP								
22...	--	--	--	--	--	<2	--	430

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
AUG 1980								
29...	--	--	--	--	7	--	--	--
SEP								
29...	--	--	--	--	5	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	<4	--	--	--
DEC								
12...	--	--	--	--	7	--	--	--
JAN 1981								
20...	--	--	--	--	4	--	--	--
FEB								
23...	--	--	--	--	<3	--	4	0.0
MAR								
18...	--	--	--	--	13	--	3	0.0
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	1	0.0
JUN								
10...	--	--	--	--	--	--	6	0.0
JUL								
21...	--	--	--	--	<5	--	6	0.0
AUG								
24...	--	<4	--	<2.0	<4	--	3	0.0
SEP								
22...	--	--	--	--	<5	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012525 BISHOP MOUNTAIN BROOK NR BISHOP MTN ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT 1981								
20...	--	--	--	--	--	5	--	140
NOV								
17...	--	--	--	--	--	1	--	260
DEC								
15...	--	--	--	--	--	<1	--	160
JAN 1982								
21...	--	--	--	--	--	<1	--	180
FEB								
18...	--	--	--	--	--	1	--	150
MAR								
18...	--	--	--	--	--	1	--	340
APR								
18...	1900	--	--	--	--	4	--	1700
18...	1600	--	--	--	--	1	--	1700
18...	1300	--	--	--	--	1	--	1400
19...	740	--	--	--	--	1	--	850
MAY								
03...	210	<100	--	--	--	<1	2	240
26...	240	<100	--	--	--	<1	2	230
JUL								
20...	--	--	--	--	--	1	--	710
AUG								
11...	--	--	--	--	--	6	--	660
SEP								
13...	--	--	--	--	--	2	--	560
OCT								
20...	--	--	--	--	--	<1	--	260

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT 1981								
20...	--	--	--	--	<5	--	--	--
NOV								
17...	--	<1	--	--	<5	--	--	--
DEC								
15...	--	<1	--	--	<5	--	--	--
JAN 1982								
21...	--	--	--	--	<5	--	--	--
FEB								
18...	--	--	--	--	5	--	--	--
MAR								
18...	--	--	--	--	<5	--	1	0.00
APR								
18...	--	<1	--	--	9	--	10	.59
18...	--	<1	--	--	<8	--	--	--
18...	--	<1	--	--	10	--	--	--
19...	--	<1	--	--	<8	--	--	--
MAY								
03...	80	<1	1	--	<5	<5	2	.02
26...	140	<1	3	--	<5	<5	--	--
JUL								
20...	--	--	--	--	6	--	2	.00
AUG								
11...	--	--	--	--	<8	--	6	.01
SEP								
13...	--	--	--	--	<5	--	2	.00
OCT								
20...	--	--	--	--	13	--	2	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012525 BISHOP MOUNTAIN BROOK NR BISHOP MTN ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
NOV 1982								
22...	--	--	--	--	--	<1	--	310
DEC								
08...	--	--	--	--	--	1	--	180
JAN 1983								
29...	--	--	--	--	--	<1	--	150
FEB								
19...	--	--	--	--	--	1	--	180
MAR								
25...	--	--	--	--	--	1	--	620
APR								
19...	--	--	--	--	--	<1	--	880
26...	--	--	--	--	--	1	--	710
MAY								
19...	--	--	--	--	--	1	--	150
JUN								
14...	--	--	--	--	--	1	--	150
JUL								
19...	--	--	--	--	--	2	--	270
AUG								
30...	--	--	--	--	--	1	--	540
OCT								
06...	--	--	--	--	--	1	--	400
25...	--	--	--	--	--	<1	--	250
MAR 1984								
29...	--	--	--	--	--	<1	--	200
APR								
30...	--	--	--	--	--	--	--	--

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
NOV 1982								
22...	--	--	--	--	<5	--	2	0.04
DEC								
08...	--	--	--	--	<5	--	1	.01
JAN 1983								
29...	--	--	--	--	<5	--	3	.00
FEB								
19...	--	--	--	--	<5	--	--	--
MAR								
25...	--	--	--	--	<5	--	--	--
APR								
19...	--	--	--	--	8	--	--	--
26...	--	--	--	--	6	--	10	.49
MAY								
19...	--	<1	--	--	<5	--	--	--
JUN								
14...	--	--	--	--	11	--	--	--
JUL								
19...	--	--	--	--	6	--	--	--
AUG								
30...	--	--	--	--	<5	--	5	.01
OCT								
06...	--	--	--	--	7	--	--	--
25...	--	--	--	--	<5	--	1	.00
MAR 1984								
29...	--	<1	--	--	<5	--	4	.01
APR								
30...	--	--	--	--	--	--	2	.07

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012525 BISHOP MOUNTAIN BROOK NR BISHOP MTN ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
MAY 1984										
30...	1310	7.5	27	6.50	9.0	80	2.4	8.9	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
MAY 1984										
30...	4	50	--	--	--	--	--	--	--	0.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012525 BISHOP MOUNTAIN BROOK NR BISHOP MTN ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
MAY 1984								
30...	--	--	--	--	--	1	--	200

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
MAY 1984								
30...	--	<1	--	--	<5	--	2	0.04

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012530 CLAYTON STREAM AT SHELDON RIDGE ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JAN 1980										
29...	1130	--	58	6.8	0.0	--	1.6	14.2	--	K3
FEB										
19...	1130	--	80	6.7	0.0	60	5.0	12.8	1.0	K1
MAR										
20...	1130	--	50	6.4	0.0	60	5.8	12.6	3.7	K8
APR										
23...	1130	--	40	6.3	2.0	35	5.1	12.2	1.1	<1
MAY										
20...	1100	--	35	7.0	14.0	40	1.8	10.0	2.1	K2
JUN										
17...	1200	--	45	6.8	14.0	40	1.8	10.2	0.6	--
JUL										
13...	1200	--	39	6.8	20.0	55	2.4	8.7	--	--
AUG										
29...	1100	--	45	7.0	17.0	45	1.2	9.5	--	--
SEP										
29...	1100	--	40	6.7	7.0	45	1.6	11.2	--	--
OCT										
14...	1100	--	62	6.6	6.0	60	3.0	11.6	--	--
NOV										
21...	1100	--	42	6.2	0.0	50	2.6	12.9	--	--
DEC										
12...	1130	--	75	6.1	0.0	65	1.6	12.7	--	--
FEB 1981										
23...	1755	--	32	--	2.0	70	3.7	12.3	--	--
MAR										
25...	1040	--	33	6.2	1.0	50	2.6	12.9	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)
JAN 1980										
29...	--	20	--	--	--	--	--	--	--	0.01
FEB										
19...	22	74	--	0.15	--	--	0.2	0.35	1.5	.02
MAR										
20...	9	65	--	--	--	--	.4	--	--	.03
APR										
23...	4	28	--	.28	0.03	0.27	.3	.58	2.6	.02
MAY										
20...	7	55	--	.22	<.01	--	.2	.42	1.9	.02
JUN										
17...	12	68	--	.14	<.01	--	.2	.34	1.5	.04
JUL										
13...	10	54	--	--	--	--	--	--	--	.01
AUG										
29...	15	48	--	--	--	--	--	--	--	.01
SEP										
29...	17	53	--	--	--	--	--	--	--	.02
OCT										
14...	11	65	--	--	--	--	--	--	--	.01
NOV										
21...	12	66	--	--	--	--	--	--	--	.01
DEC										
12...	10	62	--	--	--	--	--	--	--	.02
FEB 1981										
23...	10	--	--	--	--	--	--	--	--	--
MAR										
25...	--	--	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012530 CLAYTON STREAM AT SHELDON RIDGE ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JAN 1980								
29...	--	--	--	<2	<6	<4	--	--
FEB								
19...	--	--	--	<2	<6	<4	--	450
MAR								
20...	--	--	--	--	--	<4	--	--
APR								
23...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	<2	<20	<4	--	--
JUN								
17...	--	--	--	<2	<5	2	--	180
JUL								
13...	--	--	--	--	<5	<2	--	200
AUG								
29...	--	--	--	--	--	<4	--	180
SEP								
29...	--	--	--	--	--	<4	--	170
OCT								
14...	--	--	<4	--	--	1	--	230
NOV								
21...	--	--	--	--	--	1	--	--
DEC								
12...	--	--	--	--	--	2	--	220
FEB 1981								
23...	--	--	--	--	--	--	--	--
MAR								
25...	--	--	--	--	--	1	--	220

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JAN 1980								
29...	--	<20	--	<0.2	2	--	--	--
FEB								
19...	--	<20	--	<.2	6	--	--	--
MAR								
20...	--	<20	--	--	3	--	7	0.0
APR								
23...	--	<30	--	--	4	--	5	0.0
MAY								
20...	--	<30	--	--	11	--	3	0.0
JUN								
17...	--	<30	--	<.2	120	--	2	0.0
JUL								
13...	--	--	--	--	2	--	--	--
AUG								
29...	--	--	--	--	4	--	--	--
SEP								
29...	--	--	--	--	<2	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	--	--	--	--
DEC								
12...	--	--	--	--	4	--	--	--
FEB 1981								
23...	--	--	--	--	--	--	2	0.0
MAR								
25...	--	--	--	--	<3	--	4	0.0

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012530 CLAYTON STREAM AT SHELDON RIDGE ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
APR 1981										
14...	1100	--	23	6.1	2.0	50	2.6	12.4	--	--
MAY										
15...	1130	--	29	6.6	12.0	55	1.8	10.4	--	--
JUN										
10...	1030	--	32	6.7	12.0	45	1.3	10.2	--	--
JUL										
21...	1030	--	56	7.1	--	40	2.0	--	--	--
AUG										
24...	1235	--	32	6.2	18.0	90	1.5	8.3	--	--
SEP										
22...	1430	--	30	6.9	13.0	90	1.2	9.8	--	--
OCT										
20...	1430	--	--	6.3	7.0	90	1.6	13.2	--	--
NOV										
17...	1345	--	50	6.2	4.0	50	1.6	11.2	--	--
DEC										
12...	1300	--	49	6.2	1.0	65	1.8	13.4	--	--
JAN 1982										
21...	1230	--	30	6.7	0.0	50	1.5	12.8	--	--
FEB										
18...	1100	--	25	7.0	0.0	45	1.5	--	--	--
MAR										
18...	1230	--	51	6.5	3.0	50	1.9	12.6	--	--
APR										
19...	1230	--	45	6.5	.5	60	5.8	12.6	--	--
MAY										
26...	1500	--	27	6.5	14.0	35	1.0	10.6	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
APR 1981										
14...	8	47	--	--	--	--	--	--	--	0.01
MAY										
15...	9	81	--	--	--	--	--	--	--	.01
JUN										
10...	18	51	--	--	--	--	--	--	--	.01
JUL										
21...	20	67	--	--	--	--	--	--	--	.02
AUG										
24...	9	56	--	--	--	--	--	--	--	--
SEP										
22...	8	67	--	--	--	--	--	--	--	--
OCT										
20...	6	60	--	--	--	--	--	--	--	.02
NOV										
17...	7	75	--	--	--	--	--	--	--	<.01
DEC										
12...	8	32	--	--	--	--	--	--	--	.02
JAN 1982										
21...	10	61	--	--	--	--	--	--	--	.01
FEB										
18...	9	61	--	--	--	--	--	--	--	.01
MAR										
18...	10	95	29	--	--	--	--	--	--	.01
APR										
19...	4	68	--	--	--	--	--	--	--	--
MAY										
26...	7	50	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012530 CLAYTON STREAM AT SHELDON RIDGE ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
APR 1981								
14...	--	--	--	--	--	1	--	220
MAY								
15...	--	--	--	--	--	1	--	210
JUN								
10...	--	--	--	--	--	5	--	250
JUL								
21...	--	--	--	--	--	2	--	200
AUG								
24...	190	--	--	<4	--	12	--	240
SEP								
22...	--	--	--	--	--	<2	--	630
OCT								
20...	--	--	--	--	--	8	--	240
NOV								
17...	--	--	--	--	--	1	--	240
DEC								
12...	--	--	--	--	--	<1	--	230
JAN 1982								
21...	--	--	--	--	--	2	--	320
FEB								
18...	--	--	--	--	--	1	--	170
MAR								
18...	--	--	--	--	--	1	--	170
APR								
19...	580	--	--	--	--	1	--	510
MAY								
26...	260	<100	--	--	--	2	<1	270

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
APR 1981								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	8	0.0
JUN								
10...	--	--	--	--	--	--	3	0.0
JUL								
21...	--	--	--	--	5	--	4	0.0
AUG								
24...	--	<4	--	<0.2	<4	--	5	0.0
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
20...	--	--	--	--	<5	--	--	--
NOV								
17...	--	<1	--	--	6	--	--	--
DEC								
12...	--	<1	--	--	<5	--	--	--
JAN 1982								
21...	--	--	--	--	<5	--	--	--
FEB								
18...	--	--	--	--	6	--	--	--
MAR								
18...	--	<1	--	--	<5	--	2	0.0
APR								
19...	--	<1	--	--	25	--	12	0.0
MAY								
26...	70	<1	<1	--	<5	<5	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012530 CLAYTON STREAM AT SHELDON RIDGE ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JUL 1982										
20...	1150	--	75	7.0	23.0	35	1.0	9.2	--	--
AUG										
11...	1400	--	55	6.9	16.5	45	1.6	8.8	--	--
SEP										
13...	1430	--	46	6.8	20.0	55	1.8	8.9	--	--
OCT										
20...	1430	--	45	7.2	10.0	60	1.5	10.8	--	--
NOV										
22...	1300	--	42	6.4	3.0	65	2.8	12.3	--	--
DEC										
08...	1115	--	30	6.4	1.5	65	1.9	13.4	--	--
JAN 1983										
29...	1205	--	38	6.3	0.0	--	2.1	--	--	--
FEB										
19...	1345	--	29	6.1	0.0	45	1.2	12.6	--	--
MAR										
25...	1400	--	70	6.0	0.0	40	11	13.0	--	--
APR										
19...	1200	--	18	7.0	4.0	50	13	11.8	--	--
MAY										
19...	1200	--	--	--	--	--	--	--	--	--
JUN										
14...	1305	--	38	6.8	--	35	1.6	--	--	--
JUL										
19...	1520	--	40	6.8	22.0	40	--	8.4	--	--
AUG										
30...	1105	--	29	--	20.5	40	1.6	8.3	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)
JUL 1982										
20...	23	75	26	--	--	--	--	--	--	0.02
AUG										
11...	12	45	--	--	--	--	--	--	--	.01
SEP										
13...	8	71	50	--	--	--	--	--	--	.02
OCT										
20...	10	59	--	--	--	--	--	--	--	--
NOV										
22...	7	62	--	--	--	--	--	--	--	.02
DEC										
08...	3	64	--	--	--	--	--	--	--	.01
JAN 1983										
29...	--	58	--	--	--	--	--	--	--	.01
FEB										
19...	14	55	--	--	--	--	--	--	--	<.01
MAR										
25...	10	--	--	--	--	--	--	--	--	.02
APR										
19...	3	--	--	--	--	--	--	--	--	--
MAY										
19...	--	--	--	--	--	--	--	--	--	.01
JUN										
14...	12	--	--	--	--	--	--	--	--	.01
JUL										
19...	23	--	--	--	--	--	--	--	--	.01
AUG										
30...	14	--	--	--	--	--	--	--	--	<.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012530 CLAYTON STREAM AT SHELDON RIDGE ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUL 1982								
20...	--	--	--	--	--	<1	--	80
AUG								
11...	--	--	--	--	--	3	--	150
SEP								
13...	--	--	--	--	--	2	--	240
OCT								
20...	--	--	--	--	--	<1	--	180
NOV								
22...	--	--	--	--	--	<1	--	270
DEC								
08...	--	--	--	--	--	<1	--	200
JAN 1983								
29...	--	--	--	--	--	<1	--	170
FEB								
19...	--	--	--	--	--	<1	--	150
MAR								
25...	--	--	--	--	--	1	--	740
APR								
19...	--	--	--	--	--	<1	--	700
MAY								
19...	--	--	--	--	--	2	--	260
JUN								
14...	--	--	--	--	--	<1	--	210
JUL								
19...	--	--	--	--	--	1	--	200
AUG								
30...	--	--	--	--	--	1	--	160

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUL 1982								
20...	--	--	--	--	<5	--	1	0.0
AUG								
11...	--	--	--	--	<8	--	1	0.0
SEP								
13...	--	--	--	--	<5	--	3	0.0
OCT								
20...	--	--	--	--	11	--	3	0.0
NOV								
22...	--	--	--	--	<5	--	4	0.0
DEC								
08...	--	--	--	--	<5	--	4	0.0
JAN 1983								
29...	--	--	--	--	<5	--	2	0.0
FEB								
19...	--	--	--	--	8	--	--	--
MAR								
25...	--	--	--	--	<5	--	--	--
APR								
19...	--	--	--	--	8	--	--	--
MAY								
19...	--	2	--	--	<5	--	--	--
JUN								
14...	--	--	--	--	<11	--	--	--
JUL								
19...	--	--	--	--	7	--	--	--
AUG								
30...	--	--	--	--	12	--	2	0.0

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012530 CLAYTON STREAM AT SHELDON RIDGE ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
OCT 1983										
06...	0930	--	--	6.4	9.0	60	3.5	10.2	--	--
25...	1300	--	30	7.1	4.0	45	0.9	--	--	--
MAR 1984										
29...	1515	--	34	6.9	2.5	45	2.9	12.2	--	--
APR										
30...	1425	--	17	6.7	7.5	50	1.0	11.0	--	--
MAY										
18...	1312	--	28	--	11.0	50	1.6	12.0	--	--
30...	1245	--	27	6.6	10.0	100	2.2	--	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
OCT 1983										
06...	16	80	--	--	--	--	--	--	--	0.02
25...	13	38	--	--	--	--	--	--	--	.01
MAR 1984										
29...	8	56	--	--	--	--	--	--	--	--
APR										
30...	2	47	--	--	--	--	--	--	--	--
MAY										
18...	8	51	--	--	--	--	--	--	--	--
30...	3	43	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012530 CLAYTON STREAM AT SHELDON RIDGE ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT 1983								
06...	--	--	--	--	--	1	--	370
25...	--	--	--	--	--	<1	--	160
MAR 1984								
29...	--	--	--	--	--	<1	--	200
APR								
30...	--	--	--	--	--	<1	--	60
MAY								
18...	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	1	--	210

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT 1983								
06...	--	--	--	--	5	--	9	0.0
25...	--	--	--	--	<5	--	1	0.0
MAR 1984								
29...	--	<1	--	--	<6	--	4	0.0
APR								
30...	--	<1	--	--	<5	--	5	0.0
MAY								
18...	--	--	--	--	--	--	2	0.0
30...	--	<1	--	--	<5	--	3	0.0

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed (Continued)

01012545 MOOSE POND STREAM AT INLET CARR POND ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JUN 1979										
12...	1000	--	50	7.1	13.0	--	0.3	9.4	0.9	K6
26...	0930	--	62	7.1	13.0	--	.7	9.9	.6	24
JUL										
17...	0930	--	--	7.1	17.0	--	.6	9.8	.4	K13
24...	0930	--	84	--	18.0	--	6.7	9.1	.8	K11
AUG										
07...	0930	--	81	7.0	17.0	20	.5	8.3	.2	K13
21...	1000	--	62	6.9	17.0	30	1.3	12.5	1.3	--
SEP										
04...	1000	--	74	7.2	18.0	20	1.0	9.6	<.1	K5
18...	1000	--	58	6.9	13.0	40	1.2	9.2	--	K5
OCT										
22...	1130	--	74	7.1	11.0	20	.9	9.8	.5	--
JAN 1980										
29...	1330	--	91	7.0	0.0	--	.7	13.2	--	--
MAY										
20...	1400	--	45	7.0	15.0	20	1.6	9.4	.9	<1
JUN										
17...	1445	--	57	7.0	12.0	25	1.2	11.0	.4	--
JUL										
13...	1430	--	63	6.9	16.0	30	1.0	9.1	--	--
AUG										
29...	1330	--	70	7.2	14.0	20	.5	9.5	--	--
SEP										
29...	1330	--	49	6.9	6.0	40	.9	11.6	--	--
OCT										
14...	1330	--	55	6.8	4.0	50	6.4	11.4	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
JUN 1979										
12...	13	--	--	0.01	<0.01	--	--	--	--	<0.01
26...	15	--	--	.02	<.01	--	--	--	--	--
JUL										
17...	28	--	--	.05	.02	0.08	0.1	0.15	0.66	<.01
24...	28	--	--	.07	<.01	--	--	--	--	--
AUG										
07...	26	--	--	.06	<.01	--	--	--	--	--
21...	1	--	--	.05	.04	--	--	--	--	--
SEP										
04...	26	--	--	.04	<.01	--	--	--	--	--
18...	26	--	--	<.01	<.01	--	--	--	--	--
OCT										
22...	24	--	--	.03	.01	--	--	--	--	--
JAN 1980										
29...	--	--	--	--	--	--	--	--	--	<.01
MAY										
20...	10	--	--	.14	<.01	--	.2	.34	1.5	.01
JUN										
17...	22	--	--	.12	<.01	--	.1	.22	.97	.01
JUL										
13...	22	--	--	--	--	--	--	--	--	<.01
AUG										
29...	28	66	--	--	--	--	--	--	--	<.01
SEP										
29...	30	68	--	--	--	--	--	--	--	.01
OCT										
14...	24	71	--	--	--	--	--	--	--	.02

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed (Continued)

01012545 MOOSE POND STREAM AT INLET CARR POND ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUN 1979								
12...	--	--	--	<2	<6	<4	--	--
26...	--	--	--	--	--	--	--	--
JUL								
17...	--	--	--	<2	<6	<4	--	70
24...	--	--	--	<2	<6	<4	--	50
AUG								
07...	--	--	--	--	<6	<4	--	80
21...	--	--	--	--	--	--	--	--
SEP								
04...	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--
OCT								
22...	--	--	--	--	<6	<4	--	50
JAN 1980								
29...	--	--	--	<2	<6	<4	--	--
MAY								
20...	--	--	--	<2	<20	<4	--	--
JUN								
17...	--	--	--	<2	<5	4	--	220
JUL								
13...	--	--	--	--	<5	<2	--	40
AUG								
29...	--	--	--	--	--	6	--	120
SEP								
29...	--	--	--	--	--	<4	--	70
OCT								
14...	--	--	<4	--	--	2	--	460

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUN 1979								
12...	--	<20	--	--	7	--	3	0.0
26...	--	--	--	--	--	--	2	0.0
JUL								
17...	--	<20	--	0.6	2	--	1	0.0
24...	--	<20	--	.3	2	--	--	--
AUG								
07...	--	<20	--	.2	<2	--	2	0.0
21...	--	--	--	--	--	--	--	--
SEP								
04...	--	--	--	--	--	--	1	0.0
18...	--	--	--	--	--	--	1	0.0
OCT								
22...	--	<20	--	<.2	--	--	1	0.0
JAN 1980								
29...	--	<20	--	<.2	4	--	--	--
MAY								
20...	--	<30	--	--	24	--	1	0.0
JUN								
17...	--	<30	--	<.2	6	--	2	0.0
JUL								
13...	--	--	--	--	5	--	--	--
AUG								
29...	--	--	--	--	9	--	--	--
SEP								
29...	--	--	--	--	<2	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed (Continued)

01012545 MOOSE POND STREAM AT INLET CARR POND ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
DEC 1980										
12...	1445	--	39	7.0	0.0	10	0.7	12.9	--	--
FEB 1981										
23...	1545	--	30	6.2	3.0	45	3.8	12.6	--	--
MAR										
18...	1240	--	53	6.7	2.0	10	.8	13.2	--	--
APR										
14...	1410	--	60	6.7	2.0	25	1.4	12.0	--	--
MAY										
15...	1530	--	30	6.9	9.0	45	1.1	10.6	--	--
JUN										
10...	1215	--	50	7.0	9.0	15	1.2	10.8	--	--
JUL										
21...	1215	--	82	7.1	14.0	25	1.0	--	--	--
AUG										
24...	1730	--	40	6.7	13.0	40	2.3	9.7	--	--
SEP										
22...	1210	--	60	7.4	8.0	30	.7	11.4	--	--
OCT										
20...	1210	--	40	6.7	5.0	40	1.0	12.2	--	--
NOV										
17...	1015	--	40	6.8	4.0	10	1.2	10.5	--	--
MAR 1982										
26...	0830	--	60	7.0	--	20	1.0	--	--	--
APR										
19...	1430	--	48	6.7	2.0	40	3.5	--	--	--
JUN										
01...	1135	--	67	6.9	12.0	35	.8	8.6	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
DEC 1980										
12...	23	--	--	--	--	--	--	--	--	0.01
FEB 1981										
23...	12	--	--	--	--	--	--	--	--	.02
MAR										
18...	24	40	--	--	--	--	--	--	--	<.01
APR										
14...	14	48	--	--	--	--	--	--	--	.02
MAY										
15...	17	52	--	--	--	--	--	--	--	<.01
JUN										
10...	20	67	--	--	--	--	--	--	--	.01
JUL										
21...	36	65	--	--	--	--	--	--	--	.01
AUG										
24...	10	--	--	--	--	--	--	--	--	--
SEP										
22...	21	71	--	--	--	--	--	--	--	--
OCT										
20...	12	64	--	--	--	--	--	--	--	.01
NOV										
17...	17	68	--	--	--	--	--	--	--	<.01
MAR 1982										
26...	26	75	--	--	--	--	--	--	--	--
APR										
19...	--	61	--	--	--	--	--	--	--	--
JUN										
01...	22	84	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed (Continued)

01012545 MOOSE POND STREAM AT INLET CARR POND ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
DEC 1980								
12...	--	--	--	--	--	2	--	100
FEB 1981								
23...	--	--	--	--	--	2	--	380
MAR								
18...	--	--	--	--	--	1	--	60
APR								
14...	--	--	--	--	--	2	--	400
MAY								
15...	--	--	--	--	--	1	--	100
JUN								
10...	--	--	--	--	--	2	--	100
JUL								
21...	--	--	--	--	--	2	--	100
AUG								
24...	<100	--	--	<4	--	12	--	150
SEP								
22...	--	--	--	--	--	<2	--	40
OCT								
20...	--	--	--	--	--	3	--	70
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	--	--
APR								
19...	560	--	--	--	--	2	--	510
JUN								
01...	<100	<100	--	--	--	<1	<1	70

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
DEC 1980								
12...	--	--	--	--	10	--	--	--
FEB 1981								
23...	--	--	--	--	7	--	10	0.0
MAR								
18...	--	--	--	--	S5	--	2	0.0
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	--	--
JUN								
10...	--	--	--	--	--	--	--	--
JUL								
21...	--	--	--	--	<5	--	3	0.0
AUG								
24...	--	<4	--	<0.2	<4	--	--	--
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
20...	--	--	--	--	<5	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	2	0.0
APR								
19...	--	<1	--	--	<8	--	17	0.0
JUN								
01...	40	<1	<1	--	5	<5	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012550 CARR POND STREAM AT OUTLET CARR POND ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JAN 1980										
29...	1415	--	66	7.0	0.0	--	0.6	14.6	--	--
FEB										
19...	1415	--	71	6.7	0.0	40	.9	13.5	0.7	<1
MAR										
20...	1315	--	58	7.1	0.0	40	3.3	12.8	.7	<1
APR										
23...	1315	--	26	6.7	3.0	30	2.8	13.2	.6	<1
MAY										
20...	1500	--	45	7.0	15.0	25	1.5	10.6	1.6	--
JUN										
17...	1545	--	42	7.1	17.0	35	1.3	10.5	<.1	--
JUL										
13...	1500	--	50	7.0	22.0	30	2.6	9.0	--	--
AUG										
29...	1430	--	53	7.4	24.0	35	1.6	8.9	--	--
SEP										
29...	1430	--	49	7.0	12.0	30	1.3	9.8	--	--
OCT										
14...	1430	--	63	7.0	9.0	25	1.4	10.2	--	--
NOV										
21...	1430	--	76	7.1	1.0	30	1.0	13.2	--	--
DEC										
12...	1600	--	120	6.7	0.0	40	1.2	13.0	--	--
JAN 1981										
20...	1500	--	54	6.6	1.0	35	1.7	13.9	--	--
FEB										
23...	1445	--	40	6.7	3.0	40	2.2	12.6	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
JAN 1980										
29...	--	4	--	--	--	--	--	--	--	0.01
FEB										
19...	21	65	--	0.05	--	--	0.2	0.25	1.1	<.01
MAR										
20...	17	63	--	.07	0.02	0.18	.2	.27	1.2	.01
APR										
23...	9	38	--	.09	<.01	--	.2	.29	1.3	.01
MAY										
20...	13	98	--	.08	<.01	--	.1	.18	0.80	.01
JUN										
17...	15	79	--	.04	<.01	--	.1	.14	.62	.01
JUL										
13...	15	58	--	--	--	--	--	--	--	.01
AUG										
29...	17	50	--	--	--	--	--	--	--	<.01
SEP										
29...	20	53	--	--	--	--	--	--	--	.02
OCT										
14...	23	62	--	--	--	--	--	--	--	.01
NOV										
21...	21	65	--	--	--	--	--	--	--	.01
DEC										
12...	25	54	--	--	--	--	--	--	--	.01
JAN 1981										
20...	26	--	--	--	--	--	--	--	--	.01
FEB										
23...	21	--	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012550 CARR POND STREAM AT OUTLET CARR POND ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JAN 1980								
29...	--	--	--	<2	<6	<4	--	--
FEB								
19...	--	--	--	<2	<6	<4	--	60
MAR								
20...	--	--	--	--	--	<4	--	--
APR								
23...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	<2	<20	<4	--	--
JUN								
17...	--	--	--	<2	<5	3	--	60
JUL								
13...	--	--	--	--	<5	<2	--	60
AUG								
29...	--	--	--	--	--	<4	--	30
SEP								
29...	--	--	--	--	--	<4	--	20
OCT								
14...	--	--	<4	--	--	1	--	20
NOV								
21...	--	--	--	--	--	<1	--	--
DEC								
12...	--	--	--	--	--	<1	--	80
JAN 1981								
20...	--	--	--	--	--	--	--	30
FEB								
23...	--	--	--	--	--	<1	--	160

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JAN 1980								
29...	--	<20	--	0.4	<2	--	--	--
FEB								
19...	--	<20	--	<.2	14	--	--	--
MAR								
20...	--	<20	--	--	<2	--	1	0.0
APR								
23...	--	<30	--	--	2	--	2	0.0
MAY								
20...	--	<30	--	--	22	--	1	0.0
JUN								
17...	--	<30	--	<.2	2	--	3	0.0
JUL								
13...	--	--	--	--	2	--	--	--
AUG								
29...	--	--	--	--	<2	--	--	--
SEP								
29...	--	--	--	--	<2	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	<4	--	--	--
DEC								
12...	--	--	--	--	<2	--	--	--
JAN 1981								
20...	--	--	--	--	<4	--	--	--
FEB								
23...	--	--	--	--	<3	--	1	0.0

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012550 CARR POND STREAM AT OUTLET CARR POND ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
MAR 1981										
18...	1155	--	50	6.5	2.0	20	1.0	13.8	--	--
APR										
14...	1500	--	61	6.7	1.0	35	1.4	12.0	--	--
MAY										
15...	1510	--	30	6.9	13.0	35	0.9	9.2	--	--
JUN										
10...	1315	--	43	7.4	13.0	20	1.3	10.8	--	--
JUL										
21...	1315	--	58	7.1	21.0	25	1.1	--	--	--
AUG										
24...	1550	--	50	7.0	19.0	60	.9	8.6	--	--
SEP										
22...	1145	--	32	7.0	15.0	50	1.1	8.8	--	--
OCT										
20...	1145	--	42	6.8	6.0	50	1.1	12.2	--	--
NOV										
17...	1110	--	85	6.8	4.0	30	1.3	10.5	--	--
MAR 1982										
26...	0830	--	34	7.0	--	40	.6	--	--	--
APR										
18...	1400	--	--	6.7	4.5	30	3.0	10.8	--	--
MAY										
03...	1300	--	--	--	2.0	--	15	12.1	--	--
JUN										
01...	1200	--	48	7.2	21.0	35	1.3	10.3	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)
MAR 1981										
18...	20	69	--	--	--	--	--	--	--	0.01
APR										
14...	18	47	--	--	--	--	--	--	--	.01
MAY										
15...	22	57	--	--	--	--	--	--	--	<.01
JUN										
10...	23	56	--	--	--	--	--	--	--	.01
JUL										
21...	16	70	--	--	--	--	--	--	--	.01
AUG										
24...	14	37	--	--	--	--	--	--	--	--
SEP										
22...	--	62	--	--	--	--	--	--	--	--
OCT										
20...	15	45	--	--	--	--	--	--	--	.01
NOV										
17...	13	82	--	--	--	--	--	--	--	.01
MAR 1982										
26...	15	71	49	--	--	--	--	--	--	--
APR										
18...	14	74	--	--	--	--	--	--	--	--
MAY										
03...	--	--	--	--	--	--	--	--	--	--
JUN										
01...	15	52	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012550 CARR POND STREAM AT OUTLET CARR POND ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
MAR 1981								
18...	--	--	--	--	--	1	--	60
APR								
14...	--	--	--	--	--	1	--	180
MAY								
15...	--	--	--	--	--	<1	--	80
JUN								
10...	--	--	--	--	--	<1	--	70
JUL								
21...	--	--	--	--	--	<2	--	50
AUG								
24...	<100	--	--	<4	--	6	--	60
SEP								
22...	--	--	--	--	--	<2	--	70
OCT								
20...	--	--	--	--	--	1	--	80
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	--	--
APR								
18...	150	--	--	--	--	1	--	210
MAY								
03...	120	<100	--	--	--	<1	<1	100
JUN								
01...	130	<100	--	--	--	<1	1	90

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
MAR 1981								
18...	--	--	--	--	S3	--	1	0.0
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	2	0.0
JUN								
10...	--	--	--	--	--	--	6	0.0
JUL								
21...	--	--	--	--	<5	--	3	0.0
AUG								
24...	--	<4	--	<0.2	4	--	--	--
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
20...	--	--	--	--	<5	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	1	0.0
APR								
18...	--	<1	--	--	<8	--	5	0.0
MAY								
03...	40	<1	<1	--	<5	<5	1	0.0
JUN								
01...	50	<1	<1	--	<5	<5	--	--

Table 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012560 NORTH BRANCH FOX BROOK NR FISH RIVER LK, ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JUN 1979										
11...	1100	--	43	7.2	12.0	--	0.4	9.6	0.6	K6
26...	1100	--	58	7.1	14.0	--	1.0	10.0	.4	K4
JUL										
17...	1130	--	--	7.2	18.0	--	1.0	9.8	.8	68
24...	1130	--	72	7.2	20.0	--	.5	8.9	.2	K7
AUG										
07...	1130	--	75	7.2	17.0	10	1.4	8.6	<.1	21
21...	1100	--	62	7.1	17.0	10	.6	12.6	.2	--
SEP										
04...	1130	--	74	7.2	18.0	5	.8	11.2	<.1	K2
18...	1130	--	54	7.2	14.0	25	1.5	9.8	--	K9
OCT										
22...	1030	--	60	7.1	10.0	20	.7	10.5	.4	--
JAN 1980										
29...	1300	--	62	7.0	0.0	--	1.6	--	--	--
FEB										
19...	1300	--	71	6.9	0.0	10	1.1	13.2	.4	--
APR										
23...	1100	--	35	6.8	2.0	25	2.1	13.3	.6	--
MAY										
20...	1130	--	35	7.1	10.0	20	1.2	10.5	.9	K1
JUN										
17...	1300	--	45	6.9	14.0	20	1.1	11.0	<.1	--
APR 1982										
22...	1200	--	--	--	--	--	--	--	--	--
MAY										
03...	1135	--	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)
JUN 1979										
11...	13	--	--	0.01	<0.01	--	--	--	--	0.03
26...	17	--	--	.01	<.01	--	--	--	--	--
JUL										
17...	24	--	--	.10	<.01	--	<0.10	--	--	<.01
24...	26	--	--	.13	<.01	--	--	--	--	--
AUG										
07...	26	--	--	.16	.01	--	--	--	--	--
21...	28	--	--	.13	<.01	--	--	--	--	--
SEP										
04...	20	--	--	.12	<.01	--	--	--	--	--
18...	27	--	--	.04	<.01	--	--	--	--	--
OCT										
22...	20	--	--	.05	.01	--	--	--	--	--
JAN 1980										
29...	--	54	--	--	--	--	--	--	--	.10
FEB										
19...	24	55	--	.24	--	--	.10	0.34	1.5	.01
APR										
23...	9	33	--	.13	.02	0.08	.10	.23	1.0	.01
MAY										
20...	10	25	--	.11	<.01	--	.10	.21	0.93	.01
JUN										
17...	19	84	--	.13	.01	--	<.10	--	--	<.01
APR 1982										
22...	--	32	--	--	--	--	--	--	--	--
MAY										
03...	--	--	--	--	--	--	--	--	--	--

Table 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012560 NORTH BRANCH FOX BROOK NR FISH RIVER LK, ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUN 1979								
11...	--	--	--	<2	<6	<4	--	--
26...	--	--	--	--	--	--	--	--
JUL								
17...	--	--	--	<2	<6	<4	--	150
24...	--	--	--	<2	<6	<4	--	40
AUG								
07...	--	--	--	--	<6	<4	--	30
21...	--	--	--	--	--	--	--	--
SEP								
04...	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--
OCT								
22...	--	--	--	<2	<6	66	--	320
JAN 1980								
29...	--	--	--	<2	<6	<4	--	--
FEB								
19...	--	--	--	<2	<6	10	--	80
APR								
23...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	<2	<20	<4	--	--
JUN								
17...	--	--	--	<2	<5	<2	--	130
APR 1982								
22...	1200	--	--	--	--	2	--	1100
MAY								
03...	120	<100	--	--	--	<1	<1	100

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUN 1979								
11...	--	<20	--	--	3	--	3	0.0
26...	--	--	--	--	--	--	2	0.0
JUL								
17...	--	20	--	0.3	<2	--	2	0.0
24...	--	<20	--	<.2	6	--	1	0.0
AUG								
07...	--	<20	--	.5	<2	--	2	0.0
21...	--	--	--	--	--	--	3	0.0
SEP								
04...	--	--	--	--	--	--	3	0.0
18...	--	--	--	--	--	--	<1	--
OCT								
22...	--	<20	--	<.2	--	--	--	--
JAN 1980								
29...	--	<20	--	<.2	11	--	--	--
FEB								
19...	--	<20	--	.2	18	--	--	--
APR								
23...	--	<30	--	--	<2	--	5	0.0
MAY								
20...	--	<30	--	--	21	--	2	0.0
JUN								
17...	--	<30	--	<.2	2	--	2	0.0
APR 1982								
22...	--	<1	--	--	<8	--	11	0.0
MAY								
03...	40	<1	<1	--	<5	<5	--	--

Table 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012560 NORTH BRANCH FOX BROOK NR FISH RIVER LK, ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JUN 1982										
01...	1645	--	52	7.1	16.5	25	0.5	9.1	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
JUN 1982										
01...	17	49	--	--	--	--	--	--	--	--

Table 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watersheds--Continued

01012560 NORTH BRANCH FOX BROOK NR FISH RIVER LK, ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUN 1982								
01...	120	<100	--	--	--	2	<1	60

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUN 1982								
01...	40	1	<1	--	<5	<5	--	--

TABLE 4.--Physical characteristics and concentrations of common chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JUN 1979										
12...	1300	--	42	--	16.0	--	0.8	9.2	0.5	K19
26...	1130	--	52	6.9	16.0	--	1.1	9.9	.6	K15
JUL										
17...	1300	--	--	6.9	18.0	--	2.7	9.3	.9	150
24...	1300	--	67	--	24.0	--	2.0	8.8	.8	54
AUG										
07...	1300	--	64	7.1	18.0	50	2.6	8.4	<.1	41
21...	1330	--	50	6.8	18.0	40	1.2	12.0	1.6	--
SEP										
04...	1400	--	50	7.0	21.0	50	2.0	9.1	.3	28
18...	1300	--	52	6.8	16.0	60	1.8	9.2	--	--
OCT										
22...	1430	--	55	6.9	12.0	35	1.8	10.2	.8	--
JAN 1980										
29...	1445	--	65	--	0.0	--	1.0	14.0	--	K4
FEB										
19...	1445	--	77	6.7	0.0	30	1.3	12.1	.6	K6
MAR										
20...	1430	--	58	6.4	0.0	40	3.6	12.0	2.7	<1
APR										
23...	1430	--	38	6.4	2.0	30	3.0	12.8	.9	<1
MAY										
20...	1630	--	35	7.0	12.0	30	1.3	10.5	1.1	<1
JUN										
17...	1630	--	46	6.9	14.0	35	2.2	10.8	.8	--
JUL										
13...	1630	--	52	6.9	18.0	50	3.3	9.6	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)
JUN 1979										
12...	10	--	--	0.02	<0.01	--	--	--	--	0.01
26...	15	--	--	<.01	<.01	--	--	--	--	--
JUL										
17...	19	--	--	.14	.01	0.09	0.1	0.24	1.1	.01
24...	22	--	--	.03	.01	--	--	--	--	--
AUG										
07...	21	--	--	.08	.02	--	--	--	--	--
21...	20	--	--	.05	.01	--	--	--	--	--
SEP										
04...	17	--	--	.02	<.01	--	--	--	--	--
18...	23	--	--	.03	<.01	--	--	--	--	--
OCT										
22...	9	--	--	.04	.01	--	--	--	--	--
JAN 1980										
29...	--	16	--	--	--	--	--	--	--	.01
FEB										
19...	22	73	--	.18	--	--	.1	.28	1.2	<.01
MAR										
20...	2	50	--	.45	.03	.17	.2	.65	2.9	.01
APR										
23...	9	--	--	.18	.01	.19	.2	.38	1.7	.01
MAY										
20...	9	47	--	.21	.02	.28	.3	.51	2.3	.01
JUN										
17...	21	71	--	.12	<.01	--	.1	.22	0.97	.01
JUL										
13...	17	--	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUN 1979								
12...	--	--	--	<2	<6	<4	--	--
26...	--	--	--	--	--	--	--	--
JUL								
17...	--	--	--	<2	<6	<4	--	250
24...	--	--	--	<2	<6	<4	--	210
AUG								
07...	--	--	--	<2	<6	<4	--	220
21...	--	--	--	--	--	--	--	--
SEP								
04...	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--
OCT								
22...	--	--	--	<2	<6	<4	--	130
JAN 1980								
29...	--	--	--	<2	<6	<4	--	--
FEB								
19...	--	--	--	<2	<6	6	--	160
MAR								
20...	--	--	--	--	--	<4	--	--
APR								
23...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	<2	<20	4	--	--
JUN								
17...	--	--	--	<2	<5	2	--	230
JUL								
13...	--	--	--	--	<5	<2	--	250

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUN 1979								
12...	--	<20	--	--	19	--	5	0.0
26...	--	--	--	--	--	--	4	0.0
JUL								
17...	--	<20	--	0.3	2	--	4	0.0
24...	--	<20	--	<.2	2	--	2	0.0
AUG								
07...	--	<20	--	.4	4	--	2	0.0
21...	--	--	--	--	--	--	3	0.0
SEP								
04...	--	--	--	--	--	--	3	0.0
18...	--	--	--	--	--	--	--	--
OCT								
22...	--	<20	--	<.2	--	--	--	--
JAN 1980								
29...	--	30	--	<.2	5	--	--	--
FEB								
19...	--	<20	--	<.2	7	--	--	--
MAR								
20...	--	<20	--	--	<2	--	3	0.0
APR								
23...	--	<30	--	--	<2	--	65	0.0
MAY								
20...	--	<30	--	--	20	--	3	0.0
JUN								
17...	--	<30	--	<.2	2	--	4	0.0
JUL								
13...	--	--	--	--	4	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
AUG 1980										
29...	1600	--	60	7.0	22.0	45	3.2	8.5	--	--
SEP										
29...	1600	--	50	6.7	6.0	30	1.7	11.3	--	--
OCT										
14...	1600	--	70	6.7	5.0	40	1.1	11.4	--	--
NOV										
21...	1600	--	47	6.4	0.0	35	1.5	12.8	--	--
DEC										
12...	1630	--	78	6.6	0.0	42	1.2	12.9	--	--
JAN 1981										
20...	1545	--	80	6.7	0.0	30	2.6	13.5	--	--
FEB										
23...	1645	--	30	6.3	2.0	65	3.5	12.5	--	--
MAR										
18...	1300	--	73	6.5	1.0	20	1.1	12.4	--	--
APR										
14...	1630	--	30	6.5	--	40	2.0	--	--	--
MAY										
15...	1605	--	30	6.7	11.0	45	1.8	10.3	--	--
JUN										
10...	1100	--	40	6.7	10.0	30	2.4	10.3	--	--
JUL										
21...	1100	--	69	7.0	16.0	35	2.6	--	--	--
AUG										
24...	1730	--	46	6.3	18.0	70	1.5	8.2	--	--
SEP										
22...	1110	--	30	7.2	11.0	60	1.7	10.0	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
AUG 1980										
29...	21	85	--	--	--	--	--	--	--	0.01
SEP										
29...	18	60	--	--	--	--	--	--	--	.02
OCT										
14...	20	61	--	--	--	--	--	--	--	.01
NOV										
21...	17	63	--	--	--	--	--	--	--	.01
DEC										
12...	19	51	--	--	--	--	--	--	--	.01
JAN 1981										
20...	28	--	--	--	--	--	--	--	--	.02
FEB										
23...	9	--	--	--	--	--	--	--	--	.01
MAR										
18...	16	74	--	--	--	--	--	--	--	.01
APR										
14...	14	35	--	--	--	--	--	--	--	.01
MAY										
15...	15	56	--	--	--	--	--	--	--	.02
JUN										
10...	18	59	--	--	--	--	--	--	--	--
JUL										
21...	31	58	--	--	--	--	--	--	--	--
AUG										
24...	12	51	--	--	--	--	--	--	--	.01
SEP										
22...	15	56	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
AUG 1980								
29...	--	--	--	--	--	<4	--	350
SEP								
29...	--	--	--	--	--	<4	--	170
OCT								
14...	--	--	<4	--	--	<6	--	110
NOV								
21...	--	--	--	--	--	<1	--	--
DEC								
12...	--	--	--	--	--	--	--	250
JAN 1981								
20...	--	--	--	--	--	5	--	310
FEB								
23...	--	--	--	--	--	1	--	130
MAR								
18...	--	--	--	--	--	1	--	180
APR								
14...	--	--	--	--	--	1	--	280
MAY								
15...	--	--	--	--	--	2	--	270
JUN								
10...	--	--	--	--	--	<2	--	830
JUL								
21...	--	--	--	--	--	<2	--	220
AUG								
24...	<100	--	--	<4	--	1	--	210
SEP								
22...	--	--	--	--	--	--	--	--

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
AUG 1980								
29...	--	--	--	--	4	--	--	--
SEP								
29...	--	--	--	--	3	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	10	--	--	--
DEC								
12...	--	--	--	--	20	--	--	--
JAN 1981								
20...	--	--	--	--	<3	--	--	--
FEB								
23...	--	--	--	--	7	--	1	0.0
MAR								
18...	--	--	--	--	--	--	2	0.0
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	51	--	3	0.0
JUN								
10...	--	--	--	--	6	--	7	0.0
JUL								
21...	--	--	--	--	<5	--	18	0.0
AUG								
24...	--	<4	--	<2.0	<4	--	--	--
SEP								
22...	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
OCT 1981										
20...	1110	--	45	6.7	5.0	65	1.9	13.0	--	--
NOV										
17...	0930	--	41	6.6	3.0	30	1.6	11.2	--	--
MAR 1982										
26...	1000	--	32	6.8	--	35	1.3	--	--	--
APR										
18...	1140	--	45	6.6	0.0	--	6.5	12.6	--	--
MAY										
03...	1245	--	--	--	2.0	--	--	12.5	--	--
JUN										
01...	1630	--	52	6.7	19.0	35	1.8	9.0	--	--
SEP										
13...	1230	71	53	6.8	18.5	45	1.5	9.1	--	--
OCT										
20...	1230	50	34	6.8	8.0	45	1.3	10.6	--	--
NOV										
22...	1300	180	32	6.6	4.0	35	2.3	12.6	--	--
DEC										
08...	1335	E230	29	6.7	.5	50	1.1	13.0	--	--
JAN 1983										
29...	0930	E28	43	6.3	0.0	--	2.2	--	--	--
FEB										
19...	1150	E33	36	6.0	0.0	30	1.2	11.8	--	--
MAR										
25...	1315	E340	50	6.2	0.0	40	5.0	13.0	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
OCT 1981										
20...	9	74	--	--	--	--	--	--	--	--
NOV										
17...	13	87	--	--	--	--	--	--	--	<0.01
MAR 1982										
26...	15	60	40	--	--	--	--	--	--	--
APR										
18...	7	78	--	--	--	--	--	--	--	--
MAY										
03...	--	--	--	--	--	--	--	--	--	--
JUN										
01...	16	48	--	--	--	--	--	--	--	--
SEP										
13...	12	63	39	--	--	--	--	--	--	.01
OCT										
20...	18	74	--	--	--	--	--	--	--	--
NOV										
22...	11	49	--	--	--	--	--	--	--	.01
DEC										
08...	7	51	--	--	--	--	--	--	--	<.01
JAN 1983										
29...	--	66	--	--	--	--	--	--	--	<.01
FEB										
19...	18	52	--	--	--	--	--	--	--	<.01
MAR										
25...	13	--	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT 1981								
20...	--	--	--	--	--	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	--	--
APR								
18...	550	--	--	--	--	1	--	530
MAY								
03...	200	<100	--	--	--	1	2	190
JUN								
01...	<100	<100	--	--	--	1	2	120
SEP								
13...	--	--	--	--	--	3	--	160
OCT								
20...	--	--	--	--	--	<1	--	130
NOV								
22...	--	--	--	--	--	1	--	130
DEC								
08...	--	--	--	--	--	<1	--	120
JAN 1983								
29...	--	--	--	--	--	<1	--	130
FEB								
19...	--	--	--	--	--	1	--	120
MAR								
25...	--	--	--	--	--	1	--	330

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT 1981								
20...	--	--	--	--	--	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	1	0.0
APR								
18...	--	1	--	--	<8	--	18	0.0
MAY								
03...	50	<1	<1	--	<5	6	6	0.0
JUN								
01...	90	<1	<1	--	<5	5	--	--
SEP								
13...	--	--	--	--	<5	--	2	.38
OCT								
20...	--	--	--	--	<6	--	2	.27
NOV								
22...	--	--	--	--	<5	--	3	1.5
DEC								
08...	--	--	--	--	<5	--	2	1.2
JAN 1983								
29...	--	--	--	--	<5	--	2	.15
FEB								
19...	--	--	--	--	5	--	--	--
MAR								
25...	--	--	--	--	<5	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
APR 1983										
19...	1000	1330	24	6.2	2.0	30	12	12.8	--	--
26...	1515	1210	--	--	--	--	--	--	--	--
MAY										
19...	1500	231	--	--	--	--	--	--	--	--
JUN										
14...	1055	152	35	7.0	18.0	35	2.1	9.2	--	--
JUL										
19...	1630	15	62	7.1	23.5	40	--	8.6	--	--
AUG										
30...	0910	6	56	--	18.0	35	1.6	8.6	--	--
OCT										
06...	1005	158	--	6.3	13.5	30	2.8	9.1	--	--
25...	1430	32	38	7.0	5.0	30	1.4	11.1	--	--
MAR 1984										
29...	1200	E78	38	7.0	0.5	25	1.2	11.4	--	--
APR										
25...	0955	1310	19	7.2	1.5	50	1.3	--	--	--
MAY										
17...	1100	495	40	--	7.0	45	1.6	12.0	--	--
30...	1140	324	34	7.3	10.0	50	5.7	10.2	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
APR 1983										
19...	6	--	--	--	--	--	--	--	--	--
26...	15	10	--	--	--	--	--	--	--	0.01
MAY										
19...	--	--	--	--	--	--	--	--	--	.01
JUN										
14...	16	--	--	--	--	--	--	--	--	.01
JUL										
19...	23	--	--	--	--	--	--	--	--	.02
AUG										
30...	28	--	--	--	--	--	--	--	--	<.01
OCT										
06...	17	94	--	--	--	--	--	--	--	.01
25...	18	40	--	--	--	--	--	--	--	.01
MAR 1984										
29...	8	50	--	--	--	--	--	--	--	--
APR										
25...	4	44	--	--	--	--	--	--	--	--
MAY										
17...	11	70	--	--	--	--	--	--	--	--
30...	6	46	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01012570 FISH RIVER AT INLET FISH RIVER LAKE ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
APR 1983								
19...	--	--	--	--	--	<1	--	740
26...	--	--	--	--	--	2	--	420
MAY								
19...	--	--	--	--	--	1	--	140
JUN								
14...	--	--	--	--	--	1	--	150
JUL								
19...	--	--	--	--	--	1	--	200
AUG								
30...	--	--	--	--	--	<1	--	200
OCT								
06...	--	--	--	--	--	1	--	450
25...	--	--	--	--	--	<1	--	120
MAR 1984								
29...	--	--	--	--	--	<1	--	100
APR								
25...	--	--	--	--	--	--	--	--
MAY								
17...	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	1	--	290

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
APR 1983								
19...	--	--	--	--	<5	--	--	--
26...	--	--	--	--	<5	--	6	20
MAY								
19...	--	<1	--	--	<5	--	--	--
JUN								
14...	--	--	--	--	<11	--	--	--
JUL								
19...	--	--	--	--	8	--	--	--
AUG								
30...	--	--	--	--	<5	--	2	0.03
OCT								
06...	--	--	--	--	24	--	10	4.0
25...	--	--	--	--	<5	--	2	.17
MAR 1984								
29...	--	<1	--	--	<5	--	1	.21
APR								
25...	--	--	--	--	--	--	4	14
MAY								
17...	--	--	--	--	--	--	2	2.7
30...	--	<1	--	--	<5	--	1	.88

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016410 MACHIAS RIVER AT RUSSELL CROSSING ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
OCT 1979										
12...	0930	--	50	7.1	10.0	60	2.0	11.1	0.4	--
JAN 1980										
01...	0930	--	64	6.8	0.0	--	1.9	14.0	--	--
FEB										
19...	0900	--	75	6.8	0.0	40	2.3	12.0	.7	K2
MAR										
20...	0945	--	260	6.7	0.0	40	2.4	12.0	2.0	<1
APR										
04...	0930	--	35	6.7	2.0	45	5.7	13.1	3.4	<1
MAY										
20...	1000	--	34	6.8	12.0	35	2.3	10.0	1.4	K1
JUN										
17...	1030	--	35	7.0	14.0	35	2.3	10.5	.8	--
JUL										
13...	1030	--	42	6.9	18.0	35	1.5	9.0	--	--
AUG										
29...	0930	--	50	7.2	18.0	35	1.7	9.7	--	--
SEP										
29...	0930	--	38	6.9	6.0	45	3.3	11.6	--	--
OCT										
14...	0915	--	42	6.2	5.0	65	2.5	11.8	--	--
NOV										
21...	0930	--	37	6.7	0.0	40	1.6	13.4	--	--
DEC										
12...	0945	--	130	6.8	0.0	35	1.2	13.2	--	--
JAN 1981										
20...	0945	--	58	6.5	0.0	45	2.3	12.0	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
OCT 1979										
12...	13	--	--	0.06	0.01	--	--	--	--	--
JAN 1980										
01...	--	--	--	--	--	--	--	--	--	0.01
FEB										
19...	23	62	--	.31	--	--	0.1	0.41	1.8	.02
MAR										
20...	18	67	--	.34	.01	0.19	.2	.54	2.4	.01
APR										
04...	4	38	--	.20	.03	.27	.3	.50	2.2	.02
MAY										
20...	8	55	--	.23	<.01	--	.2	.43	1.9	--
JUN										
17...	14	65	--	.10	<.01	--	.2	.30	1.3	.01
JUL										
13...	16	55	--	--	--	--	--	--	--	.01
AUG										
29...	19	50	--	--	--	--	--	--	--	<.01
SEP										
29...	21	60	--	--	--	--	--	--	--	--
OCT										
14...	14	67	--	--	--	--	--	--	--	.01
NOV										
21...	16	63	--	--	--	--	--	--	--	.01
DEC										
12...	14	51	--	--	--	--	--	--	--	.01
JAN 1981										
20...	20	--	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016410 MACHIAS RIVER AT RUSSELL CROSSING ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT 1979								
12...	--	--	--	<2	<6	<4	--	240
JAN 1980								
01...	--	--	--	<2	<6	<4	--	--
FEB								
19...	--	--	--	<2	<6	<4	--	950
MAR								
20...	--	--	--	--	--	<4	--	--
APR								
04...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	<2	<20	<4	--	--
JUN								
17...	--	--	--	<2	<5	<2	--	160
JUL								
13...	--	--	--	--	<5	2	--	180
AUG								
29...	--	--	--	--	--	<4	--	120
SEP								
29...	--	--	--	--	--	<4	--	300
OCT								
14...	--	--	<4	--	--	<6	--	230
NOV								
21...	--	--	--	--	--	<1	--	--
DEC								
12...	--	--	--	--	--	2	--	150
JAN 1981								
20...	--	--	--	--	--	--	--	150

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT 1979								
12...	--	20	--	<0.2	--	--	--	--
JAN 1980								
01...	--	<20	--	.2	<2	--	--	--
FEB								
19...	--	<20	--	<.2	5	--	--	--
MAR								
20...	--	<20	--	--	<2	--	1	0.0
APR								
04...	--	<30	--	--	3	--	2	0.0
MAY								
20...	--	<30	--	--	52	--	3	0.0
JUN								
17...	--	<30	--	<.2	4	--	2	0.0
JUL								
13...	--	--	--	--	4	--	--	--
AUG								
29...	--	--	--	--	7	--	--	--
SEP								
29...	--	--	--	--	2	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	<4	--	--	--
DEC								
12...	--	--	--	--	3	--	--	--
JAN 1981								
20...	--	--	--	--	6	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016410 MACHIAS RIVER AT RUSSELL CROSSING ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
FEB 1981										
23...	1820	--	38	--	2.0	45	2.8	12.2	--	--
MAR										
25...	0930	--	30	6.7	2.0	35	1.0	14.1	--	--
APR										
14...	0930	--	25	6.2	1.0	35	3.1	12.2	--	--
MAY										
15...	0910	--	29	6.7	9.0	50	1.5	11.8	--	--
JUN										
10...	0845	--	33	6.8	11.0	45	2.2	10.4	--	--
JUL										
21...	0845	--	56	7.3	--	40	1.0	--	--	--
AUG										
24...	1125	--	32	6.6	17.0	90	1.4	8.9	--	--
SEP										
22...	1600	--	52	7.3	9.0	60	5.3	11.3	--	--
OCT										
20...	1600	--	--	6.6	7.0	60	2.4	11.2	--	--
NOV										
17...	1450	--	50	6.7	3.0	30	1.5	10.4	--	--
MAR 1982										
26...	1130	--	31	7.0	--	35	2.5	--	--	--
APR										
18...	1720	--	50	6.6	2.5	40	2.0	10.8	--	--
JUN										
01...	1800	--	41	6.7	20.0	35	1.5	9.2	--	--
OCT										
06...	1400	--	--	6.6	12.5	60	6.1	9.8	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
FEB 1981										
23...	12	--	--	--	--	--	--	--	--	0.02
MAR										
25...	--	--	--	--	--	--	--	--	--	.01
APR										
14...	7	102	--	--	--	--	--	--	--	.01
MAY										
15...	12	60	--	--	--	--	--	--	--	.01
JUN										
10...	16	55	--	--	--	--	--	--	--	.01
JUL										
21...	22	57	--	--	--	--	--	--	--	.01
AUG										
24...	9	44	--	--	--	--	--	--	--	--
SEP										
22...	12	68	--	--	--	--	--	--	--	--
OCT										
20...	8	54	--	--	--	--	--	--	--	.01
NOV										
17...	11	84	--	--	--	--	--	--	--	<.01
MAR 1982										
26...	14	62	41	--	--	--	--	--	--	--
APR										
18...	9	67	--	--	--	--	--	--	--	--
JUN										
01...	12	52	--	--	--	--	--	--	--	--
OCT										
06...	14	86	--	--	--	--	--	--	--	.03

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016410 MACHIAS RIVER AT RUSSELL CROSSING ME

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
FEB 1981								
23...	--	--	--	--	--	1	--	300
MAR								
25...	--	--	--	--	--	2	--	110
APR								
14...	--	--	--	--	--	1	--	260
MAY								
15...	--	--	--	--	--	<1	--	160
JUN								
10...	--	--	--	--	--	<1	--	220
JUL								
21...	--	--	--	--	--	<10	--	130
AUG								
24...	260	--	--	<4	--	12	--	270
SEP								
22...	--	--	--	--	--	2	--	280
OCT								
20...	--	--	--	--	--	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	--	--
APR								
18...	250	--	--	--	--	<1	--	220
JUN								
01...	130	<100	--	--	--	<1	13	100
OCT								
06...	--	--	--	--	--	<1	--	580

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
FEB 1981								
23...	--	--	--	--	<3	--	5	0.0
MAR								
25...	--	--	--	--	S5	--	3	0.0
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	3	0.0
JUN								
10...	--	--	--	--	--	--	5	0.0
JUL								
21...	--	--	--	--	--	--	4	0.0
AUG								
24...	--	<4	--	<0.2	<4	--	--	--
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
20...	--	--	--	--	--	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	2	0.0
APR								
18...	--	<1	--	--	<8	--	6	0.0
JUN								
01...	70	<1	7	--	<5	5	--	--
OCT								
06...	--	--	--	--	6	--	9	0.0

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed (Continued)

01016460 GREENLAW STREAM AT INLET GREENLAW POND ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
JUN 1980										
17...	0930	--	42	6.9	2.0	25	1.0	9.3	<0.1	--
JUL										
13...	0930	--	48	6.9	20.0	25	3.2	8.2	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
JUN 1980										
17...	16	69	--	<0.01	0.01	0.19	0.2	--	--	0.01
JUL										
13...	18	46	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed (Continued)

01016460 GREENLAW STREAM AT INLET GREENLAW POND ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUN 1980								
17...	--	--	--	<2	<5	2	--	10
JUL								
13...	--	--	--	--	<5	<2	--	50

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUN 1980								
17...	--	<30	--	0.2	<2	--	1	0.0
JUL								
13...	--	--	--	--	5	--	--	--

TABLE 4.--Physical characteristics and concentrations of commcnd chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016480 GREENLAW STREAM AT GREENLAW CROSSING ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
OCT 1979										
22...	0900	--	63	7.1	12.0	60	1.4	10.0	0.4	--
JAN 1980										
29...	0915	--	104	7.1	0.0	--	1.6	14.6	--	--
FEB										
19...	0900	--	120	7.1	1.0	20	1.0	12.4	.6	K3
MAR										
20...	0930	--	93	6.7	0.0	30	5.9	12.8	2.6	K3
APR										
04...	0900	--	40	6.7	1.0	40	1.3	13.3	.9	K2
MAY										
20...	0845	--	40	6.9	8.0	40	0.9	11.0	1.4	<1
JUN										
17...	0845	--	55	7.1	12.0	45	1.6	10.8	.5	--
JUL										
13...	0900	--	49	6.8	18.0	70	2.2	11.1	--	--
AUG										
29...	0845	--	70	7.1	14.0	45	1.6	10.2	--	--
SEP										
29...	0915	--	40	6.7	4.0	110	1.4	12.0	--	--
OCT										
14...	0845	--	45	6.7	5.0	120	2.6	12.2	--	--
NOV										
21...	0845	--	41	6.7	0.0	50	1.0	12.9	--	--
DEC										
12...	0900	--	110	6.3	0.0	55	1.0	13.0	--	--
JAN 1981										
20...	0915	--	150	6.7	0.0	30	1.0	12.3	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
OCT 1979										
22...	24	--	--	0.03	0.01	--	--	--	--	--
JAN 1980										
29...	--	--	--	--	--	--	--	--	--	0.01
FEB										
19...	46	93	--	.22	--	--	<0.1	--	--	<.01
MAR										
20...	18	52	--	.47	.04	0.16	.2	0.67	3.0	.01
APR										
04...	12	38	--	.14	.01	.19	.2	.34	1.5	.01
MAY										
20...	11	64	--	.09	<.01	--	.2	.29	1.3	.01
JUN										
17...	22	88	--	.10	<.01	--	.2	.30	1.3	.02
JUL										
13...	21	41	--	--	--	--	--	--	--	--
AUG										
29...	32	85	--	--	--	--	--	--	--	.01
SEP										
29...	18	77	--	--	--	--	--	--	--	.01
OCT										
14...	19	85	--	--	--	--	--	--	--	.01
NOV										
21...	23	80	--	--	--	--	--	--	--	.01
DEC										
12...	17	52	--	--	--	--	--	--	--	.01
JAN 1981										
20...	48	--	--	--	--	--	--	--	--	<.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016480 GREENLAW STREAM AT GREENLAW CROSSING ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT 1979								
22...	--	--	--	<2	<6	<4	--	150
JAN 1980								
29...	--	--	--	<2	<6	<4	--	--
FEB								
19...	--	--	--	<2	<6	<4	--	60
MAR								
20...	--	--	--	--	--	<4	--	--
APR								
04...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	<2	<20	5	--	--
JUN								
17...	--	--	--	<2	<5	<2	--	140
JUL								
13...	--	--	--	--	<5	<2	--	400
AUG								
29...	--	--	--	--	--	<4	--	160
SEP								
29...	--	--	--	--	--	<4	--	160
OCT								
14...	--	--	<4	--	--	<1	--	250
NOV								
21...	--	--	--	--	--	<1	--	--
DEC								
12...	--	--	--	--	--	2	--	140
JAN 1981								
20...	--	--	--	--	--	--	--	60

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT 1979								
22...	--	<20	--	<0.2	--	--	--	--
JAN 1980								
29...	--	<20	--	<.2	<2	--	--	--
FEB								
19...	--	<20	--	<.2	4	--	--	--
MAR								
20...	--	<20	--	--	3	--	10	0.0
APR								
04...	--	<30	--	--	6	--	3	0.0
MAY								
20...	--	<30	--	--	41	--	2	0.0
JUN								
17...	--	<30	--	.2	3	--	2	0.0
JUL								
13...	--	--	--	--	3	--	--	--
AUG								
29...	--	--	--	--	6	--	--	--
SEP								
29...	--	--	--	--	2	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	<4	--	--	--
DEC								
12...	--	--	--	--	4	--	--	--
JAN 1981								
20...	--	--	--	--	<4	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016480 GREENLAW STREAM AT GREENLAW CROSSING ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
FEB 1981										
23...	1840	--	30	--	2.0	60	4.0	11.5	--	--
MAR										
18...	1840	--	62	6.7	2.0	20	1.2	12.9	--	--
APR										
14...	0845	--	30	6.7	1.0	40	1.4	12.8	--	--
MAY										
15...	0850	--	31	6.7	7.0	90	0.9	12.3	--	--
JUN										
10...	0820	--	45	6.9	10.0	40	1.6	10.9	--	--
JUL										
21...	0820	--	84	7.3	--	45	1.2	--	--	--
AUG										
24...	1050	--	42	6.7	17.0	85	1.0	8.9	--	--
SEP										
22...	1630	--	--	7.4	8.0	90	1.9	11.4	--	--
OCT										
20...	1630	--	--	6.6	6.0	110	1.2	12.0	--	--
NOV										
17...	1515	--	49	6.7	4.0	30	2.9	10.0	--	--
MAR 1982										
26...	1210	--	39	6.8	--	40	1.5	--	--	--
APR										
18...	1345	--	48	6.5	1.5	50	2.9	11.6	--	--
MAY										
03...	1200	--	--	--	4.0	--	--	12.4	--	--
JUN										
01...	1820	--	67	7.1	19.0	35	.8	8.5	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
FEB 1981										
23...	16	--	--	--	--	--	--	--	--	0.02
MAR										
18...	26	73	--	--	--	--	--	--	--	<.01
APR										
14...	13	54	--	--	--	--	--	--	--	.01
MAY										
15...	14	92	--	--	--	--	--	--	--	.01
JUN										
10...	28	61	--	--	--	--	--	--	--	.01
JUL										
21...	37	62	--	--	--	--	--	--	--	.01
AUG										
24...	14	54	--	--	--	--	--	--	--	--
SEP										
22...	18	66	--	--	--	--	--	--	--	--
OCT										
20...	11	67	--	--	--	--	--	--	--	.01
NOV										
17...	15	98	--	--	--	--	--	--	--	<.01
MAR 1982										
26...	6	76	49	--	--	--	--	--	--	--
APR										
18...	9	70	--	--	--	--	--	--	--	--
MAY										
03...	--	--	--	--	--	--	--	--	--	--
JUN										
01...	26	--	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016480 GREENLAW STREAM AT GREENLAW CROSSING ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
FEB 1981								
23...	--	--	--	--	--	1	--	400
MAR								
18...	--	--	--	--	--	3	--	90
APR								
14...	--	--	--	--	--	1	--	120
MAY								
15...	--	--	--	--	--	1	--	160
JUN								
10...	--	--	--	--	--	1	--	130
JUL								
21...	--	--	--	--	--	<10	--	140
AUG								
24...	110	--	--	<4	--	6	--	150
SEP								
22...	--	--	--	--	--	<8	--	170
OCT								
20...	--	--	--	--	--	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	--	--
APR								
18...	270	--	--	--	--	1	--	260
MAY								
03...	--	--	--	--	--	--	--	--
JUN								
01...	<100	<100	--	--	--	<1	<1	80

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
FEB 1981								
23...	--	--	--	--	<3	--	2	0.0
MAR								
18...	--	--	--	--	S10	--	4	0.0
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	4	0.0
JUN								
10...	--	--	--	--	--	--	--	--
JUL								
21...	--	--	--	--	--	--	1	0.0
AUG								
24...	--	<4	--	<0.2	<4	--	--	--
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
20...	--	--	--	--	--	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
26...	--	--	--	--	--	--	2	0.0
APR								
18...	--	<1	--	--	<8	--	8	0.0
MAY								
03...	--	--	--	--	--	--	1	0.0
JUN								
01...	110	<1	<1	--	<5	<5	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016480 GREENLAW STREAM AT GREENLAW CROSSING ME

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (FTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
OCT 1982										
06...	1430	--	--	6.3	10.5	70	2.2	9.9	--	--

DATE	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHOROUS TOTAL (MG/L AS P)
OCT 1982										
06...	16	94	--	--	--	--	--	--	--	0.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

01016480 GREENLAW STREAM AT GREENLAW CROSSING ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
OCT 1982								
06...	--	--	--	--	--	<1	--	250

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT 1982								
06...	--	--	--	--	6	--	3	0.0

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464308068461100 CLAYTON LAKE IN TOWNSHIP 12 RANGE 8 ME

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (FTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)
JAN 1980										
29...	1030	--	56	7.0	0.0	--	1.9	--	--	--
FEB										
19...	1030	--	53	6.7	0.0	70	1.0	13.2	0.8	<1
MAR										
20...	1030	--	62	6.7	0.0	90	--	12.7	.5	--
APR										
23...	1030	--	30	6.3	1.0	35	2.3	12.8	1.5	<1
MAY										
20...	1000	--	30	6.6	13.0	40	1.4	10.3	1.3	<1
JUN										
17...	1100	--	30	6.7	16.0	45	2.0	10.2	.7	--
JUL										
13...	1100	--	33	7.0	20.0	45	3.4	8.9	--	--
AUG										
29...	1000	--	40	6.4	22.0	35	0.9	8.6	--	--
SEP										
29...	1000	--	35	6.8	11.0	45	2.6	11.4	--	--
OCT										
14...	1000	--	48	6.6	13.0	55	2.2	10.6	--	--
NOV										
21...	1000	--	28	6.2	1.0	45	2.0	12.5	--	--
DEC										
12...	1015	--	145	6.4	1.0	50	1.4	12.7	--	--
JAN 1981										
20...	1030	--	90	6.7	0.0	45	2.6	13.3	--	--
FEB										
23...	1715	--	18	--	2.0	15	2.6	12.2	--	--

DATE	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHOROUS TOTAL (MG/L AS P)
JAN 1980										
29...	--	--	--	--	--	--	--	--	--	0.02
FEB										
19...	14	--	--	0.08	--	--	0.2	0.28	1.2	.01
MAR										
20...	16	--	--	.25	0.01	0.29	.3	.55	2.4	.03
APR										
23...	5	26	--	.18	.04	.16	.2	.38	1.7	.02
MAY										
20...	8	40	--	.21	.02	.48	.5	.71	3.1	.02
JUN										
17...	13	74	--	.08	.06	.24	.3	.38	1.7	.02
JUL										
13...	10	68	--	--	--	--	--	--	--	.01
AUG										
29...	10	37	--	--	--	--	--	--	--	<.01
SEP										
29...	14	47	--	--	--	--	--	--	--	.04
OCT										
14...	13	58	--	--	--	--	--	--	--	.01
NOV										
21...	15	68	--	--	--	--	--	--	--	.01
DEC										
12...	10	42	--	--	--	--	--	--	--	.02
JAN 1981										
20...	23	--	--	--	--	--	--	--	--	.01
FEB										
23...	13	--	--	--	--	--	--	--	--	.02

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464308068461100 CLAYTON LAKE IN TOWNSHIP 12 RANGE 8 ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JAN 1980								
29...	--	--	--	<2	<6	8	--	--
FEB								
19...	--	--	--	<2	<6	<4	--	180
MAR								
20...	--	--	--	<2	<6	--	--	--
APR								
23...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	2	<20	8	--	--
JUN								
17...	--	--	--	130	<5	2	--	180
JUL								
13...	--	--	--	--	<5	<2	--	230
AUG								
29...	--	--	--	--	--	<4	--	150
SEP								
29...	--	--	--	--	--	<4	--	250
OCT								
14...	--	--	<4	--	--	<1	--	160
NOV								
21...	--	--	--	--	--	2	--	--
DEC								
12...	--	--	--	--	--	2	--	160
JAN 1981								
20...	--	--	--	--	--	--	--	310
FEB								
23...	--	--	--	--	--	2	--	250

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JAN 1980								
29...	--	--	--	<0.2	59	--	--	--
FEB								
19...	--	<20	--	.2	5	--	--	--
MAR								
20...	--	<20	--	<.2	--	--	--	--
APR								
23...	--	<30	--	--	8	--	<1	--
MAY								
20...	--	30	--	--	51	--	1	0.0
JUN								
17...	--	<30	--	<.2	3	--	3	0.0
JUL								
13...	--	--	--	--	3	--	--	--
AUG								
29...	--	--	--	--	11	--	--	--
SEP								
29...	--	--	--	--	2	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	--	--	--	--
DEC								
12...	--	--	--	--	6	--	--	--
JAN 1981								
20...	--	--	--	--	16	--	--	--
FEB								
23...	--	--	--	--	8	--	1	0.0

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464308068461100 CLAYTON LAKE IN TOWNSHIP 12 RANGE 8 ME

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (FTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
MAR 1981										
19...	1515	--	29	6.5	0.0	35	1.9	13.0	--	--
APR										
14...	1000	--	20	6.1	0.0	45	2.2	12.0	--	--
MAY										
15...	1000	--	32	6.7	12.0	60	1.6	10.2	--	--
JUN										
10...	0930	--	31	6.7	14.0	45	1.8	9.2	--	--
JUL										
21...	0930	--	42	6.7	--	45	1.2	--	--	--
AUG										
24...	1250	--	32	6.2	19.0	100	1.4	8.3	--	--
SEP										
22...	1500	--	30	7.0	14.0	90	1.6	9.1	--	--
OCT										
30...	1500	--	--	6.3	7.0	90	2.2	13.2	--	--
NOV										
17...	1435	--	59	6.1	3.0	50	1.8	10.4	--	--

DATE	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHOROUS TOTAL (MG/L AS P)
MAR 1981										
19...	11	29	--	--	--	--	--	--	--	0.01
APR										
14...	6	41	--	--	--	--	--	--	--	.01
MAY										
15...	10	96	--	--	--	--	--	--	--	.01
JUN										
10...	13	66	--	--	--	--	--	--	--	.02
JUL										
21...	12	53	--	--	--	--	--	--	--	.01
AUG										
24...	7	53	--	--	--	--	--	--	--	--
SEP										
22...	8	64	--	--	--	--	--	--	--	--
OCT										
30...	6	54	--	--	--	--	--	--	--	--
NOV										
17...	9	78	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464308068461100 CLAYTON LAKE IN TOWNSHIP 12 RANGE 8 ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
MAR 1981								
19...	--	--	--	--	--	2	--	170
APR								
14...	--	--	--	--	--	1	--	170
MAY								
15...	--	--	--	--	--	<1	--	190
JUN								
10...	--	--	--	--	--	2	--	160
JUL								
21...	--	--	--	--	--	3	--	120
AUG								
24...	--	--	--	--	--	--	--	--
SEP								
22...	--	--	--	--	--	<2	--	820
OCT								
30...	--	--	--	--	--	1	--	--
NOV								
17...	--	--	--	--	--	--	--	--

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
MAR 1981								
19...	--	--	--	--	<3	--	4	0.0
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	1	0.0
JUN								
10...	--	--	--	--	--	--	4	0.0
JUL								
21...	--	--	--	--	<5	--	4	0.0
AUG								
24...	--	--	--	--	--	--	3	0.0
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
30...	--	--	--	--	--	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464553068430100 CARR POND IN TOWNSHIP 13 RANGE 8 ME

WATER QUALITY DATA

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (FTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)
JUN 1979										
12...	1100	--	45	7.4	16.0	--	0.7	9.8	0.9	--
26...	1030	--	52	7.1	20.0	35	1.0	9.8	.7	--
JUL										
17...	1030	--	22	7.1	23.0	--	.6	9.0	.6	--
24...	1100	--	56	--	26.0	30	1.2	8.7	.6	--
AUG										
07...	1045	--	57	7.0	24.0	40	--	8.0	<.1	--
SEP										
04...	1030	--	70	7.1	20.0	40	1.3	9.1	.4	--
18...	1015	--	56	6.8	16.0	40	1.2	9.7	--	--
OCT										
22...	1300	--	57	6.7	12.0	35	1.0	9.8	.8	--
JAN 1980										
29...	1400	--	71	7.1	0.0	--	1.1	--	--	--
FEB										
19...	1400	--	74	6.7	0.0	40	.6	12.8	.6	<1
MAR										
20...	1300	--	70	6.7	0.0	35	--	14.0	1.0	--
APR										
23...	1300	--	12	6.7	2.0	20	1.9	12.6	.9	--
MAY										
20...	1445	--	45	7.1	16.0	25	1.0	10.5	1.0	<1
JUN										
17...	1530	--	48	7.1	17.0	35	1.6	10.5	1.4	--
JUL										
13...	1445	--	45	7.1	20.0	20	1.5	9.0	--	--

DATE	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHOROUS TOTAL (MG/L AS P)
JUN 1979										
12...	10	--	--	--	--	--	--	--	--	0.01
26...	13	--	--	0.01	0.02	--	--	--	--	.01
JUL										
17...	19	--	--	.03	.01	0.09	0.1	0.13	0.58	.01
24...	17	--	--	.01	.01	--	--	--	--	.01
AUG										
07...	16	--	--	.01	.01	--	--	--	--	.02
SEP										
04...	16	--	--	<.01	<.01	--	--	--	--	--
18...	28	--	--	.01	<.01	--	--	--	--	.01
OCT										
22...	16	--	--	.03	.01	--	--	--	--	.02
JAN 1980										
29...	--	--	--	--	--	--	--	--	--	.01
FEB										
19...	21	--	--	.06	--	--	<.1	--	--	.01
MAR										
20...	1	--	--	.35	.07	.53	.6	.95	4.2	<.01
APR										
23...	3	--	--	.07	.02	.18	.2	.27	1.2	.01
MAY										
20...	14	--	--	.11	<.01	--	.2	.31	1.4	.02
JUN										
17...	15	--	--	.08	<.01	--	.1	.18	.8	.02
JUL										
13...	15	--	--	--	--	--	--	--	--	.02

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464553068430100 CARR POND IN TOWNSHIP 13 RANGE 8 ME

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUN 1979								
12...	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--
JUL								
17...	--	--	--	<2	<5	<4	--	50
24...	--	--	--	--	--	--	--	--
AUG								
07...	--	--	--	<2	<6	<4	--	80
SEP								
04...	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--
OCT								
22...	--	--	--	<2	<6	<4	--	60
JAN 1980								
29...	--	--	--	<2	<6	<4	--	--
FEB								
19...	--	--	--	<2	<6	<4	--	60
MAR								
20...	--	--	--	<2	<6	--	--	--
APR								
23...	--	--	--	<2	<5	<10	--	--
MAY								
20...	--	--	--	<2	<20	<4	--	--
JUN								
17...	--	--	--	<2	<5	<2	--	60
JUL								
13...	--	--	--	--	<5	<2	--	40

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUN 1979								
12...	--	--	--	--	--	--	<1	--
26...	--	--	--	--	--	--	3	0.0
JUL								
17...	--	<20	--	0.3	2	--	1	0.0
24...	--	--	--	--	--	--	2	0.0
AUG								
07...	--	310	--	--	2	--	--	--
SEP								
04...	--	--	--	--	--	--	3	0.0
18...	--	--	--	--	--	--	1	0.0
OCT								
22...	--	70	--	<.2	--	--	1	0.0
JAN 1980								
29...	--	<20	--	<.2	16	--	--	--
FEB								
19...	--	<20	--	<.2	6	--	--	--
MAR								
20...	--	<20	--	<.2	--	--	--	--
APR								
23...	--	<30	--	--	6	--	4	0.0
MAY								
20...	--	<30	--	--	15	--	1	0.0
JUN								
17...	--	<30	--	<.2	2	--	1	0.0
JUL								
13...	--	--	--	--	2	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464553068430100 CARR POND IN TOWNSHIP 13 RANGE 8 ME

WATER QUALITY DATA

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (FTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)
AUG 1980										
29...	1415	--	48	7.4	--	25	0.8	8.8	--	--
SEP										
29...	1415	--	48	6.9	14.0	25	1.2	10.8	--	--
OCT										
14...	1400	--	50	6.9	8.0	25	.9	10.3	--	--
NOV										
21...	1415	--	65	7.0	1.0	30	1.2	12.4	--	--
DEC										
12...	1530	--	125	6.8	1.0	40	1.0	12.2	--	--
JAN 1981										
20...	1430	--	95	6.6	0.0	35	1.1	13.3	--	--
FEB										
23...	1430	--	15	6.7	2.0	10	1.5	12.6	--	--
MAR										
18...	1415	--	75	6.5	1.0	70	1.0	13.4	--	--
APR										
14...	1445	--	65	6.7	1.0	35	1.4	12.0	--	--
MAY										
15...	1500	--	38	7.0	9.0	30	.6	10.6	--	--
JUN										
10...	1245	--	45	7.1	12.0	20	1.1	10.3	--	--
JUL										
21...	1245	--	58	7.3	21.0	25	1.0	--	--	--
SEP										
22...	1145	--	31	7.1	14.0	50	1.5	8.4	--	--
OCT										
20...	1145	--	48	6.7	7.0	55	1.3	10.8	--	--

DATE	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHOROUS TOTAL (MG/L AS P)
AUG 1980										
29...	16	50	--	--	--	--	--	--	--	0.01
SEP										
29...	24	60	--	--	--	--	--	--	--	.02
OCT										
14...	22	58	--	--	--	--	--	--	--	.01
NOV										
21...	22	53	--	--	--	--	--	--	--	.01
DEC										
12...	20	59	--	--	--	--	--	--	--	.01
JAN 1981										
20...	23	--	--	--	--	--	--	--	--	.01
FEB										
23...	21	--	--	--	--	--	--	--	--	.01
MAR										
18...	20	71	--	--	--	--	--	--	--	.01
APR										
14...	18	55	--	--	--	--	--	--	--	.01
MAY										
15...	24	93	--	--	--	--	--	--	--	.01
JUN										
10...	23	55	--	--	--	--	--	--	--	.01
JUL										
21...	25	52	--	--	--	--	--	--	--	.01
SEP										
22...	14	60	--	--	--	--	--	--	--	--
OCT										
20...	16	48	--	--	--	--	--	--	--	.02

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464553068430100 CARR POND IN TOWNSHIP 13 RANGE 8 ME

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
AUG 1980								
29...	--	--	--	--	--	<4	--	50
SEP								
29...	--	--	--	--	--	<4	--	30
OCT								
14...	--	--	<4	--	--	8	--	30
NOV								
21...	--	--	--	--	--	6	--	--
DEC								
12...	--	--	--	--	--	1	--	90
JAN 1981								
20...	--	--	--	--	--	--	--	50
FEB								
23...	--	--	--	--	--	2	--	50
MAR								
18...	--	--	--	--	--	1	--	80
APR								
14...	--	--	--	--	--	1	--	100
MAY								
15...	--	--	--	--	--	<1	--	80
JUN								
10...	--	--	--	--	--	4	--	70
JUL								
21...	--	--	--	--	--	<2	--	50
SEP								
22...	--	--	--	--	--	<2	--	80
OCT								
20...	--	--	--	--	--	1	--	80

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
AUG 1980								
29...	--	--	--	--	3	--	--	--
SEP								
29...	--	--	--	--	<2	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	13	--	--	--
DEC								
12...	--	--	--	--	5	--	--	--
JAN 1981								
20...	--	--	--	--	8	--	--	--
FEB								
23...	--	--	--	--	16	--	--	--
MAR								
18...	--	--	--	--	<3	--	--	--
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	--	--
JUN								
10...	--	--	--	--	--	--	--	--
JUL								
21...	--	--	--	--	22	--	2	0.0
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
20...	--	--	--	--	<5	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464553068430100 CARR POND IN TOWNSHIP 13 RANGE 8 ME

WATER QUALITY DATA

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (FTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)
MAR 1982										
26...	0800	3.3	33	7.0	--	35	0.5	--	--	--
26...	0810	49.2	33	6.9	--	40	.6	--	--	--
JUN										
01...	1200	1.0	48	6.8	2.0	35	.8	9.4	--	--
01...	1210	65.6	50	6.7	6.0	35	1.3	9.2	--	--

DATE	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHOROUS TOTAL (MG/L AS P)
MAR 1982										
26...	16	62	--	--	--	--	--	--	--	--
26...	14	64	--	--	--	--	--	--	--	--
JUN										
01...	15	54	--	--	--	--	--	--	--	--
01...	12	86	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464553068430100 CARR POND IN TOWNSHIP 13 RANGE 8 ME

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
MAR 1982								
26...	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--
JUN								
01...	<100	<100	--	--	--	2	<1	60
01...	<100	<100	--	--	--	6	4	70

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
MAR 1982								
26...	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	1	0.0
JUN								
01...	50	<1	<1	--	<5	<5	--	--
01...	60	<1	<1	--	<5	9	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464843068455200 FISH RIVER LAKE IN TOWNSHIP 13 RANGE 8 ME

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (FTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML)
JUN 1979										
26...	1300	--	42	7.0	20.0	35	1.8	9.5	0.5	--
JUL										
17...	1400	--	--	7.0	22.0	--	3.3	9.4	.5	--
24...	1400	--	46	--	24.0	30	1.2	9.1	.4	--
AUG										
07...	1400	--	46	7.1	24.0	30	--	7.9	--	--
21...	1300	--	40	7.1	20.0	30	1.2	11.2	1.8	--
SEP										
04...	1330	--	47	--	22.0	35	1.5	8.9	.6	--
OCT										
22...	1330	--	50	6.5	10.0	40	1.5	10.4	1.0	--
MAR 1980										
20...	1400	--	40	4.5	0.0	30	--	14.2	3.1	--
APR										
23...	1400	--	29	6.7	4.0	25	2.9	12.6	.5	--
MAY										
20...	1540	--	40	7.0	18.0	25	2.1	10.0	1.7	--
JUL										
13...	1545	--	42	6.7	20.0	30	1.3	9.7	--	--
AUG										
29...	1515	--	45	7.1	21.0	25	1.0	8.9	--	--
SEP										
29...	1515	--	49	6.7	12.0	30	1.4	9.8	--	--
OCT										
14...	1515	--	70	7.0	8.0	35	2.3	10.8	--	--
NOV										
21...	1515	--	40	6.8	1.0	25	1.1	13.2	--	--

DATE	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHOROUS TOTAL (MG/L AS P)
JUN 1979										
26...	10	--	--	<0.01	0.01	--	--	--	--	0.01
JUL										
17...	--	--	--	<.10	.34	0.06	0.4	--	--	.05
24...	12	--	--	<.10	.02	--	--	--	--	.01
AUG										
07...	11	--	--	.01	<.01	--	--	--	--	.01
21...	12	--	--	.01	.01	--	--	--	--	.02
SEP										
04...	12	--	--	.01	.01	--	--	--	--	.01
OCT										
22...	12	--	--	.02	.01	--	--	--	--	.02
MAR 1980										
20...	--	--	--	.79	.14	.16	.3	1.1	4.8	.02
APR										
23...	17	--	--	.12	.02	.18	.2	0.32	1.4	.01
MAY										
20...	10	--	--	.01	<.01	--	.2	.21	0.93	.02
JUL										
13...	12	--	--	--	--	--	--	--	--	.01
AUG										
29...	19	40	--	--	--	--	--	--	--	<.01
SEP										
29...	21	43	--	--	--	--	--	--	--	.03
OCT										
14...	14	46	--	--	--	--	--	--	--	.01
NOV										
21...	43	58	--	--	--	--	--	--	--	.01

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464843068455200 FISH RIVER LAKE IN TOWNSHIP 13 RANGE 8 ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
JUN 1979								
26...	--	--	--	--	--	--	--	--
JUL								
17...	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--
AUG								
07...	--	--	--	--	<6	<4	--	90
21...	--	--	--	--	--	--	--	--
SEP								
04...	--	--	--	--	--	--	--	--
OCT								
22...	--	--	--	<2	<6	<4	--	200
MAR 1980								
20...	--	--	--	<2	<6	--	--	--
APR								
23...	--	--	--	<2	<6	<10	--	--
MAY								
20...	--	--	--	<2	<20	<4	--	--
JUL								
13...	--	--	--	--	--	--	--	--
AUG								
29...	--	--	--	--	--	4	--	40
SEP								
29...	--	--	--	--	--	<4	--	80
OCT								
14...	--	--	<4	--	--	<1	--	90
NOV								
21...	--	--	--	--	--	3	--	--

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JUN 1979								
26...	--	--	--	--	--	--	6	0.0
JUL								
17...	--	--	--	--	--	--	8	0.0
24...	--	--	--	--	--	--	1	0.0
AUG								
07...	--	60	--	0.2	3	--	--	--
21...	--	--	--	--	--	--	2	0.0
SEP								
04...	--	--	--	--	--	--	3	0.0
OCT								
22...	--	90	--	<.2	--	--	4	0.0
MAR 1980								
20...	--	<20	--	.2	--	--	--	--
APR								
23...	--	<30	--	--	17	--	4	0.0
MAY								
20...	--	<30	--	--	21	--	2	0.0
JUL								
13...	--	--	--	--	--	--	--	--
AUG								
29...	--	--	--	--	4	--	--	--
SEP								
29...	--	--	--	--	<2	--	--	--
OCT								
14...	--	--	--	--	<5	--	--	--
NOV								
21...	--	<2	--	--	15	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464843068455200 FISH RIVER LAKE IN TOWNSHIP 13 RANGE 8 ME

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (FTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)
FEB 1981										
23...	1145	--	30	6.7	1.0	35	2.1	12.2	--	--
MAR										
19...	1215	--	--	6.5	0.0	25	1.4	13.2	--	--
APR										
14...	1540	--	55	6.7	1.0	35	2.1	11.4	--	--
MAY										
15...	1700	--	30	6.6	13.0	30	1.2	10.6	--	--
JUN										
10...	1130	--	36	6.9	13.0	20	1.4	10.2	--	--
JUL										
21...	1130	--	49	7.1	21.0	30	1.5	--	--	--
SEP										
22...	0950	--	28	--	--	55	1.6	--	--	--
OCT										
20...	0950	--	28	--	7.0	60	1.4	8.0	--	--
NOV										
17...	0845	--	28	6.8	1.0	30	1.3	10.6	--	--
MAR 1982										
25...	1245	3.28	30	7.0	0.0	45	0.6	12.2	--	--
25...	1300	39.4	32	6.7	2.5	40	1.5	5.7	--	--
JUN										
01...	1200	0.0	39	6.8	16.0	35	--	11.0	--	--
01...	1205	39.4	39	6.7	9.0	35	--	4.0	--	--

DATE	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHOROUS TOTAL (MG/L AS P)
FEB 1981										
23...	17	--	--	--	--	--	--	--	--	0.02
MAR										
19...	17	58	--	--	--	--	--	--	--	.01
APR										
14...	17	74	--	--	--	--	--	--	--	.01
MAY										
15...	17	52	--	--	--	--	--	--	--	.01
JUN										
10...	23	47	--	--	--	--	--	--	--	.01
JUL										
21...	19	54	--	--	--	--	--	--	--	.01
SEP										
22...	11	52	--	--	--	--	--	--	--	--
OCT										
20...	12	71	--	--	--	--	--	--	--	.02
NOV										
17...	15	73	--	--	--	--	--	--	--	.01
MAR 1982										
25...	15	57	--	--	--	--	--	--	--	--
25...	16	54	--	--	--	--	--	--	--	--
JUN										
01...	24	70	--	--	--	--	--	--	--	--
01...	10	56	--	--	--	--	--	--	--	--

TABLE 4.--Physical characteristics and concentrations of commond chemical constituents in lakes and streams of the Bald Mountain watershed--Continued

464843068455200 FISH RIVER LAKE IN TOWNSHIP 13 RANGE 8 ME

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
FEB 1981								
23...	--	--	--	--	--	3	--	240
MAR								
19...	--	--	--	--	--	1	--	160
APR								
14...	--	--	--	--	--	1	--	260
MAY								
15...	--	--	--	--	--	2	--	90
JUN								
10...	--	--	--	--	--	<6	--	80
JUL								
21...	--	--	--	--	--	<2	--	40
SEP								
22...	--	--	--	--	--	<2	--	190
OCT								
20...	--	--	--	--	--	5	--	140
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
25...	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--
JUN								
01...	<100	<100	--	--	--	<1	2	80
01...	<100	<100	--	--	--	3	<1	120

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
FEB 1981								
23...	--	--	--	--	14	--	4	0.0
MAR								
19...	--	--	--	--	<3	--	2	0.0
APR								
14...	--	--	--	--	--	--	--	--
MAY								
15...	--	--	--	--	--	--	2	0.0
JUN								
10...	--	--	--	--	--	--	6	0.0
JUL								
21...	--	--	--	--	<5	--	6	0.0
SEP								
22...	--	--	--	--	<5	--	--	--
OCT								
20...	--	--	--	--	<5	--	--	--
NOV								
17...	--	--	--	--	--	--	--	--
MAR 1982								
25...	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--
JUN								
01...	50	<1	2	--	<5	<5	--	--
01...	80	<1	70	--	9	22	--	--

E Mean daily discharge
K Based on a non-ideal colony count
S Estimated

Table 5.--Summary of selected chemical and physical characteristics of water

01012515 Clayton Stream at Outlet Clayton Lake

Property	Number of analyses	Mean	Range
Temperature (°C)	50	8.5	0.0-24.0
Turbidity (NTU)	51	2.4	0.9-12.0
Color (Platinum cobalt units)	50	53	30-100
Specific conductance (µS/cm)	49	37	15-75
Dissolved oxygen (mg/L)	46	10.9	7.4-14.8
pH (standard units)	49	[1/] 6.5	6.0-7.2
Alkalinity (mg/L as $CaCO_3$)	50	10	3-28
Total solids, residue at 105 °C (mg/L)	37	56	28-95
Total ammonia nitrogen (mg/L as N)	9	0.02	<0.01-0.04
Total nitrogen NO_2+NO_3 (mg/L as N)	10	0.08	<0.01-0.23
Total phosphorus (mg/L as P)	36	0.01	<0.01-0.03
Total cadmium (µg/L as Cd)	8	all values below detection limits	
Total chromium (µg/L as Cr)	8	all values below detection limits	
Total copper (µg/L as Cu)	46	2	<1-<10
Total iron (µg/L as Fe)	44	240	100-730
Total lead (µg/L as Pb)	19	11	<1-30
Total zinc (µg/L as Zn)	43	7	<2-30

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

01012520 Bald Mountain Brook near Bald Mountain

Property	Number of analyses	Mean	Range
Temperature (°C)	53	7.7	0.0-20.0
Turbidity (NTU)	53	2.7	0.5-15.0
Color (Platinum cobalt units)	49	50	20-90
Specific conductance (µS/cm)	50	57	18-185
Dissolved oxygen (mg/L)	51	11.0	7.2-13.7
pH (standard units)	49	[1/] 6.7	6.0-7.8
Alkalinity (mg/L as $CaCO_3$)	54	16	2-40
Total solids, residue at 105 °C (mg/L)	38	72	33-119
Total ammonia nitrogen (mg/L as N)	12	<0.01	<0.01-0.03
Total nitrogen NO_2+NO_3 (mg/L as N)	13	0.12	<0.01-0.42
Total phosphorus (mg/L as P)	39	0.01	<0.01-0.04
Total cadmium (µg/L as Cd)	8	2	2-2
Total chromium (µg/L as Cr)	10	7	<5-20
Total copper (µg/L as Cu)	53	3	<1-16
Total iron (µg/L as Fe)	50	256	50-920
Total lead (µg/L as Pb)	23	10	<1-30
Total zinc (µg/L as Zn)	50	8	<1-20
Total aluminum (µg/L as Al)	7	256	100-360

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

0102525 Bishop Mountain Brook near Bishop Mountain

Property	Number of analyses	Mean	Range
Temperature (°C)	40	6.6	0.0-22.5
Turbidity (NTU)	39	3.1	0.6-18.0
Color (Platinum cobalt units)	39	61	25-180
Specific conductance (µS/cm)	38	50	16-155
Dissolved oxygen (mg/L)	36	10.7	6.7-13.8
pH (standard units)	39	[1/] 6.4	5.9-7.1
Alkalinity (mg/L as $CaCO_3$)	40	14	3-44
Total solids, residue at 105 °C (mg/L)	32	68	45-117
Total phosphorus (mg/L as P)	33	0.01	<0.01-0.04
Total copper (µg/L as Cu)	44	2	<1-16
Total iron (µg/L as Fe)	44	425	60-1700
Total lead (µg/L as Pb)	13	all values below detection limits	
Total zinc (µg/L as Zn)	42	6	<3-13
Total aluminum µg/L as Al)	7	870	<100-1900

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

01012530 Clayton Stream at Sheldon Ridge

Property	Number of analyses	Mean	Range
Temperature (°C)	45	7.4	0.0-23.0
Turbidity (NTU)	46	2.6	0.9-13.0
Color (Platinum cobalt units)	45	54	35-100
Specific conductance (µS/cm)	45	41	17-80
Dissolved oxygen (mg/L)	41	11.3	8.3-14.2
pH (standard units)	44	[1/] 6.6	6.0-7.2
Alkalinity (mg/L as $CaCO_3$)	44	10	2-23
Total solids, residue at 105 °C (mg/L)	40	58	20-95
Total phosphorus (mg/L as P)	38	0.01	<0.01-0.04
Total cadmium (µg/L as Cd)	6	all samples below detection limits	
Total chromium (µg/L as Cr)	6	all samples below detection limits	
Total copper (µg/L as Cu)	46	2	<1-12
Total iron (µg/L as Fe)	41	255	60-740
Total lead (µg/L as Pb)	17	10	<1-<30
Total zinc (µg/L as Zn)	42	9	<2-120

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

01012545 Moose Pond Stream at Inlet Carr Pond

Property	Number of analyses	Mean	Range
Temperature (°C)	29	9.9	0.0-18.0
Turbidity (NTU)	30	1.5	0.3-6.7
Color (Platinum cobalt units)	25	28	10-50
Specific conductance (µS/cm)	29	58	30-91
Dissolved oxygen (mg/L)	27	10.6	8.3-13.2
pH (standard units)	29	[1/] 6.9	6.2-7.4
Alkalinity (mg/L as $CaCO_3$)	28	21	1-36
Total solids, residue at 105 °C (mg/L)	14	64	40-84
Total ammonia nitrogen (mg/L as N)	11	0.01	<0.01-0.04
Total nitrogen NO_2+NO_3 (mg/L as N)	11	0.05	<0.01-0.14
Total phosphorus (mg/L as P)	18	<0.01	<0.01-0.02
Total cadmium (µg/L as Cd)	7	all samples below detection limits	
Total chromium (µg/L as Cr)	9	all samples below detection limits	
Total copper (µg/L as Cu)	24	3	<1-12
Total iron (µg/L as Fe)	21	154	40-510
Total lead (µg/L as Pb)	11	all samples below detection limits	
Total zinc (µg/L as Zn)	20	6	<2-24

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

01012550 Carr Pond Stream at Outlet Carr Pond

Property	Number of analyses	Mean	Range
Temperature (°C)	26	8.8	0.0-24.0
Turbidity (NTU)	27	2.0	0.6-15.0
Color (Platinum cobalt units)	25	35	20-60
Specific conductance (µS/cm)	25	54	26-120
Dissolved oxygen (mg/L)	25	11.4	8.6-14.6
pH (standard units)	26	[1/] 6.9	6.5-7.4
Alkalinity (mg/L as $CaCO_3$)	24	18	9-26
Total solids, residue at 105 °C (mg/L)	24	59	4-98
Total phosphorus (mg/L as P)	21	0.01	<0.01-0.02
Total cadmium (µg/L as Cd)	6	all samples below detection limits	
Total chromium (µg/L as Cr)	6	all samples below detection limits	
Total copper (µg/L as Cu)	24	2	<1-<10
Total iron (µg/L as Fe)	20	78	20-210
Total lead (µg/L as Pb)	11	all samples below detection limits	
Total zinc (µg/L as Zn)	22	5	<2-22

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

01012560 North Branch Fox Brook near Fish River Lake

Property	Number of analyses	Mean	Range
Temperature (°C)	15	12.2	0.0-20.0
Turbidity (NTU)	15	1.0	0.4-2.1
Color (Platinum cobalt units)	10	17	5-25
Specific conductance (µS/cm)	14	57	35-75
Dissolved oxygen (mg/L)	14	10.6	8.6-13.3
pH (standard units)	15	[1/] 7.1	6.8-7.2
Alkalinity (mg/L as $CaCO_3$)	14	20	9-28
Total solids, residue at 105 °C (mg/L)	7	47	25-84
Total ammonia nitrogen (mg/L as N)	12	<0.01	<0.01-0.02
Total nitrogen NO_2+NO_3 (mg/L as N)	13	0.10	0.01-0.24
Total phosphorus (mg/L as P)	7	0.03	<0.01-0.10
Total cadmium (µg/L as Cd)	9	all samples below detection limits	
Total chromium (µg/L as Cr)	10	all samples below detection limits	
Total copper (µg/L as Cu)	13	9	<1-66
Total iron (µg/L as Fe)	9	223	30-1100
Total lead (µg/L as Pb)	13	18	<1-<30
Total zinc (µg/L as Zn)	12	7	<2-20

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

01012570 Fish River at Inlet Fish River Lake

Property	Number of analyses	Mean	Range
Temperature (°C)	51	9.1	0.0-24.0
Turbidity (NTU)	51	2.3	0.8-12.0
Color (Platinum cobalt units)	45	40	20-70
Specific conductance (µS/cm)	50	47	19-80
Dissolved oxygen (mg/L)	48	10.9	8.2-14.0
pH (standard units)	47	[1/] 6.7	6.0-7.3
Alkalinity (mg/L as $CaCO_3$)	51	15	2-31
Total solids, residue at 105 °C (mg/L)	35	58	10-94
Total ammonia nitrogen (mg/L as N)	13	0.01	<0.01-0.03
Total nitrogen NO_2+NO_3 (mg/L as N)	14	0.11	<0.01-0.45
Total phosphorus (mg/L as P)	35	0.01	<0.01-0.02
Total cadmium (µg/L as Cd)	11	all samples below detection limits	
Total chromium (µg/L as Cr)	11	all samples below detection limits	
Total copper (µg/L as Cu)	44	2	<1-<10
Total iron (µg/L as Fe)	39	244	100-830
Total lead (µg/L as Pb)	19	14	<1-30
Total zinc (µg/L as Zn)	42	8	<2-51

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

01016410 Machias River at Russell Crossing

Property	Number of analyses	Mean	Range
Temperature (°C)	26	7.0	0.0-20.0
Turbidity (NTU)	28	2.4	1.0-6.1
Color (Platinum cobalt units)	27	45	30-90
Specific conductance (µS/cm)	26	54	25-260
Dissolved oxygen (mg/L)	26	11.4	8.9-14.1
pH (standard units)	27	[1/] 6.8	6.2-7.3
Alkalinity (mg/L as $CaCO_3$)	26	14	4-23
Total solids, residue at 105 °C (mg/L)	23	62	38-102
Total phosphorus (mg/L as P)	20	0.01	<0.01-0.03
Total cadmium (µg/L as Cd)	7	all samples below detection limits	
Total chromium (µg/L as Cr)	7	all samples below detection limits	
Total copper (µg/L as Cu)	24	4	<1-12
Total iron (µg/L as Fe)	21	256	100-950
Total lead (µg/L as Pb)	11	16	<1-<30
Total zinc (µg/L as Zn)	20	7	<2-52

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

01016480 Greenlaw Stream at Greenlaw Crossing

Property	Number of analyses	Mean	Range
Temperature (°C)	27	6.2	0.0-19.0
Turbidity (NTU)	28	1.8	0.8-5.9
Color (Platinum cobalt units)	27	56	20-120
Specific conductance (µS/cm)	25	62	30-150
Dissolved oxygen (mg/L)	27	11.6	8.5-14.6
pH (standard units)	27	[1/] 6.8	6.3-7.4
Alkalinity (mg/L as $CaCO_3$)	27	21	6-49
Total solids, residue at 105 °C (mg/L)	23	71	38-98
Total phosphorus (mg/L as P)	21	0.01	<0.01-0.02
Total cadmium (µg/L as Cd)	7	all samples below detection limits	
Total chromium (µg/L as Cr)	7	all samples below detection limits	
Total copper (µg/L as Cu)	24	3	<1-<10
Total iron (µg/L as Fe)	20	174	60-400
Total lead (µg/L as Pb)	11	all samples below detection limits	
Total zinc (µg/L as Zn)	20	6	<2-41

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

4643080684611 Clayton Lake in Township 12 Range 8

Property	Number of analyses	Mean	Range
Temperature (°C)	22	7.7	0.0-22.0
Turbidity (NTU)	22	1.9	0.9-3.4
Color (Platinum cobalt units)	22	53	15-100
Specific conductance (µS/cm)	22	44	18-145
Dissolved oxygen (mg/L)	21	11.2	8.3-13.3
PH (standard units)	22	[1/] 6.6	6.1-7.0
Alkalinity (mg/L as $CaCO_3$)	22	11	5-23
Total solids, residue at 105 °C (mg/L)	18	55	26-96
Total phosphorus (mg/L as P)	20	0.02	<0.01-0.04
Total chromium (µg/L as Cr)	7	all samples below detection limits	
Total copper (µg/L as Cu)	19	3	<1-<10
Total iron (µg/L as Fe)	15	233	120-820
Total lead (µg/L as Pb)	6	22	<2-30
Total zinc (µg/L as Zn)	15	13	<3-59

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

4645530684301 Carr Pond in Townwhip 13 Range 8

Property	Number of analyses	Mean	Range
Temperature (°C)	30	10.4	0.0-26.0
Turbidity (NTU)	31	1.1	0.5-1.9
Color (Platinum cobalt units)	30	34	10-70
Specific conductance (µS/cm)	33	53	12-125
Dissolved oxygen (mg/L)	29	10.6	8.0-14.0
pH (standard units)	32	[1/] 6.9	6.5-7.4
Alkalinity (mg/L as $CaCO_3$)	32	17	1-28
Total solids, residue at 105 °C (mg/L)	16	61	48-93
Total ammonia nitrogen (mg/L as N)	11	0.02	<0.01-0.07
Total nitrogen NO_2+NO_3 (mg/L as N)	12	0.06	<0.01-0.35
Total phosphorus (mg/L as P)	27	0.01	<0.01-0.02
Total cadmium (µg/L as Cd)	9	all samples below detection limits	
Total chromium (µg/L as Cr)	10	all samples below detection limits	
Total copper (µg/L as Cu)	24	4	<1-<10
Total iron (µg/L as Fe)	21	63	30-100
Total zinc (µg/L as Zn)	21	7	<2-22

[1/] Mean of pH readings

Table 5.--Summary of selected chemical and physical characteristics of water--Continued

4648430684552 Fish River Lake in Township 13 Range 8

Property	Number of analyses	Mean	Range
Temperature (°C)	27	11.5	0.0-24.0
Turbidity (NTU)	24	1.6	0.6-3.3
Color (Platinum cobalt units)	27	33	20-60
Specific conductance (µS/cm)	26	40	28-70
Dissolved oxygen (mg/L)	26	10.2	4.0-14.2
pH (standard units)	24	[1/] 6.7	4.5-7.1
Alkalinity (mg/L as $CaCO_3$)	26	16	10-43
Total solids, residue at 105 °C (mg/L)	16	57	40-74
Total ammonia nitrogen (mg/L as N)	10	0.06	<0.01-0.34
Total nitrogen NO_2+NO_3 (mg/L as N)	10	0.12	<0.01-0.79
Total phosphorus (mg/L as P)	23	0.02	<0.01-0.05
Total cadmium (µg/L as Cd)	4	all samples below detection limits	
Total chromium (µg/L as Cr)	5	all samples below detection limits	
Total copper (µg/L as Cu)	18	4	<1-<10
Total iron (µg/L as Fe)	16	127	40-260
Total zinc (µg/L as Zn)	14	8	<2-21

[1/] Mean of pH readings

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds

01012515 Clayton Stream at outlet Clayton Lake, 1983 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Apr, 1983			
Apr 14...	80	5	1.1
Apr 15...	84	7	1.6
Apr 16...	87	5	1.2
Apr 17...	155	21	8.8
Apr 18...	369	36	36
Apr 27...	200	6	3.2
Apr 28...	170	6	2.8
Apr 29...	150	5	2.0
Apr 30...	130	5	1.8
May, 1983			
May 1...	115	5	1.6
May 2...	100	6	1.6
May 3...	110	3	0.89
May 4...	95	2	.51
May 5...	84	4	.91
May 6...	79	6	1.3
Jul, 1983			
Jul 20...	4.7	13	.16
Jul 21...	6.3	10	.17
Jul 22...	92	21	5.2
Jul 23...	78	30	6.3
Jul 24...	75	24	4.9
Jul 25...	77	24	5.0
Jul 26...	65	28	4.9
Jul 27...	53	31	4.4
Jul 28...	48	23	3.0
Jul 29...	42	28	3.2
Jul 30...	37	12	1.2
Jul 31...	32	26	2.2
Aug, 1983			
Aug 14...	7.0	23	0.43
Aug 15...	6.1	22	.36
Aug 16...	5.2	18	.25
Aug 17...	4.5	12	.15
Aug 20...	3.4	23	.21
Aug 21...	2.9	26	.20
Aug 22...	2.6	32	.22
Aug 23...	2.3	27	.17
Aug 24...	1.9	24	.12
Aug 25...	1.2	26	.08
Aug 26...	0.59	21	.03
Aug 27...	3.6	15	.15
Aug 30...	3.6	22	.21
Aug 31...	11	20	.59
Sep, 1983			
Sep 1...	22	9	.53
Sep 2...	19	5	.26
Sep 3...	18	5	.24
Sep 4...	17	6	.28
Sep 5...	15	7	.28
Sep 6...	13	6	.21
Sep 7...	13	7	.25
Sep 8....	13	7	.25
Sep 9....	12	6	.19
Sep 10....	11	10	.30
Sep 11....	11	12	.36
Sep 12....	9.7	9	.24
Sep 26....	26	11	.77

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012515 Clayton Stream at outlet Clayton Lake, 1984 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1983			
Oct 7...	52	166	23
Oct 8...	48	60	7.8
Oct 9...	45	61	7.4
Oct 10...	43	52	6.0
Oct 11...	38	38	3.9
Oct 12...	34	35	3.2
Oct 13...	36	46	4.5
Oct 14...	40	37	4.0
Oct 15...	29	58	4.5
Oct 16...	21	44	2.5
Oct 17...	15	45	1.8
Oct 18...	11	32	1.0
Oct 19...	9.0	27	.66
Oct 20...	8.0	21	.45
Oct 21...	7.1	6	.12
Oct 22...	6.4	5	.09
Oct 23...	6.0	4	.06
Oct 24...	5.6	5	.08
Oct 25...	5.3	4	.06
Oct 26...	5.0	2	.03
Oct 27...	4.8	2	.03
Oct 28...	4.6	2	.02
Oct 29...	4.7	2	.02
Oct 30...	4.6	2	.02
Oct 31...	4.4	5	.06
Nov, 1983			
Nov 1...	4.4	6	.07
Nov 2...	4.2	5	.06
Nov 3...	5.1	6	.08
Nov 23...	35	6	.57
Nov 24...	32	4	.34
Nov 25...	67	6	1.1
Nov 26...	119	6	1.9
Dec, 1983			
Dec 1...	65	2	.35
Feb, 1984			
Feb 20...	8.2	7	.15
Feb 21...	7.5	7	.14
Feb 22...	6.8	6	.11
Feb 23...	6.2	7	.12
Feb 24...	5.8	9	.14
Feb 25...	6.0	7	.11
Feb 26...	8.0	8	.17
Feb 27...	6.6	7	.12
Feb 28...	6.0	5	.08
Feb 29...	5.9	6	.10
Mar, 1984			
Mar 1...	5.8	6	.09
Mar 2...	5.7	10	.15
Mar 3...	5.6	15	.23
Mar 4...	5.4	12	.17
Mar 5...	5.2	10	.14
Mar 6...	5.2	9	.13
Mar 7...	5.1	10	.14
Mar 8...	5.0	9	.12
Mar 9...	4.8	6	.08
Mar 10...	4.7	15	.19
Mar 11...	4.6	12	.15
Mar 12...	4.5	7	.08
Mar 13...	4.4	8	.10
Apr, 1984			
Apr 19...	191	7	3.6
Apr 20...	183	8	4.0
Apr 21...	164	8	3.5
Apr 22...	136	6	2.2
Apr 23...	132	5	1.8
Apr 24...	172	7	3.2
Apr 25...	219	7	4.1
Apr 26...	193	7	3.6
Apr 27...	189	5	2.6
Apr 28...	201	11	6.0
Apr 29...	205	10	5.5
Apr 30...	210	4	2.3
May, 1984			
May 1...	215	2	1.2

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012520 Bald Mountain Brook near Bald Mountain, 1981 water year

Date	Mean discharge (cfs)	Sediment concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1980			
Oct 31...	01.8	3	0.01
Nov, 1980			
Nov 1...	2.0	2	.01
Nov 2...	1.9	3	.02
Nov 3...	1.6	5	.02
Nov 4...	1.4	1	0
Nov 5...	1.7	2	.01
Feb, 1981			
Feb 10...	3.4	2	.02
Feb 11...	3.2	3	.03
Feb 12...	6.8	4	.07
Feb 13...	9.1	6	.15
Feb 14...	6.8	6	.11
Feb 15...	5.4	6	.09
Feb 16...	4.8	5	.06
Feb 17...	4.3	4	.05
Feb 18...	4.0	5	.05
Feb 19...	4.1	9	.10
Feb 20...	5.0	10	.14
Feb 21...	6.6	9	.16
Feb 22...	9.2	6	.15
Feb 23...	10	6	.16
Feb 24...	8.4	4	.09
Feb 25...	7.1	3	.06
Feb 26...	6.5	22	.17
Feb 27...	7.5	2	.04
Feb 28...	6.4	3	.05
Mar, 1981			
Mar 1...	5.0	8	.11
Mar 2...	4.1	19	.21
Mar 3...	3.5	8	.08
Mar 4...	3.1	5	.04
Mar 5...	2.8	5	.04
Mar 6...	2.6	3	0.02
Mar 7...	2.4	3	.02
Mar 8...	2.2	3	.02
Mar 9...	2.1	2	.01
Mar 10...	2.0	3	.02
Mar 11...	2.1	2	.01
Mar 12...	2.1	2	.01
Mar 13...	1.8	3	.01
Mar 14...	1.5	3	.01
Mar 15...	1.3	3	.01
Mar 16...	1.2	4	.01
Mar 17...	1.1	4	.01
Mar 18...	.93	4	.01
Mar 19...	.83	5	.01
Mar, 1981--continued			
Mar 20...	.76	4	.01
Mar 21...	.71	5	.01
Mar 22...	.68	5	.01
Mar 23...	.68	6	.01
Mar 24...	.78	5	.01
Mar 25...	.90	4	.01
Mar 26...	.88	2	0
Mar 27...	.98	5	.01
Mar 28...	1.1	3	.01
Mar 29...	1.2	9	.03
Mar 30...	1.5	15	.06
Mar 31...	2.2	11	.07
Apr, 1981			
Apr 1...	6.0	8	.13
Apr 2...	15	6	.24
Apr 3...	17	5	.23
Apr 8...	14	6	.23
Apr 9...	13	11	0.39
Apr 10...	21	10	.59
Apr 11...	16	6	.26
Apr 12...	12	6	.19
Apr 13...	8.7	5	.12
Apr 14...	6.8	11	.20
Apr 24...	4.2	3	.03
Apr 25...	5.4	2	.03
Apr 26...	5.1	2	.03
Apr 27...	5.0	2	.03
Apr 28...	4.5	2	.02
Apr 29...	5.2	7	.09
Apr 30...	7.9	4	.09
May, 1981			
May 1...	6.0	2	.03
May 2...	5.3	3	.04
May 3...	5.3	2	.03
May 4...	4.6	2	.02
May 5...	4.2	2	.02
May 6...	4.1	1	.01
May 7...	3.4	2	.02
May 13...	6.3	15	.24
May 14...	7.1	4	.08
May 15...	4.6	2	.02
May 16...	4.4	8	.10
May 17...	8.0	2	.04
May 18...	6.7	1	.02
May 19...	4.9	2	.03
May 20...	4.0	2	.02
May 21...	3.5	1	.01

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012520 Bald Mountain Brook near Bald Mountain, 1981 water year--continued

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Jun, 1981			
Jun 10...	1.3	4	0.01
Jun 20...	0.73	3	.01
Jun 21...	1.6	4	.02
Jun 22...	1.4	2	.01
Jun 23...	2.3	2	.01
Jun 24...	1.3	2	.01
Jun 25...	1.0	3	.01
Jun 26...	4.9	10	.13
Jun 27...	3.4	6	.06
Jun 28...	1.6	4	.02
Jun 29...	1.1	4	.01
Jun 30...	.81	4	.01
Jul, 1981			
Jul 1...	.67	6	.01
Jul 2...	.51	12	.02
Jul 14...	.49	18	.02
Jul 15...	.57	14	.02
Jul 16...	.29	14	.01
Jul 17...	.22	13	.01
Jul 18...	.20	18	.01
Jul 19...	.18	14	.01
Jul 20...	.18	10	0
Jul 21...	.19	21	.01
Jul 22...	.22	18	.01
Jul 23...	.16	9	0
Jul 24...	.16	10	0
Jul 25...	.15	8	0
Jul 26...	.16	7	0
Jul 27...	.37	15	.02
Jul 28...	.32	14	.01
Jul 29...	.22	12	.01
Jul 30...	1.9	26	.10
Jul 31...	1.1	7	.02
Aug, 1981			
Aug 1...	0.37	10	0.01
Aug 2...	.21	10	.01
Aug 3...	.17	10	0
Aug 4...	.16	13	.01
Aug 5...	1.2	31	.12
Aug 6...	38	47	6.0
Aug 7...	32	14	1.3
Aug 8...	15	8	.31
Aug 9...	9.2	3	.07
Aug 10...	6.5	5	.09
Aug 11...	5.4	4	.06
Aug 12...	5.8	4	.06
Aug 13...	5.1	4	.06
Aug 14...	3.5	6	.06
Aug 15...	2.8	4	.03
Sep, 1981			
Sep 16...	.54	4	.01
Sep 17...	.43	4	0
Sep 18...	.38	2	0
Sep 19...	.35	2	0
Sep 20...	6.3	5	.09
Sep 21...	2.4	5	.03
Sep 22...	1.4	3	.01
Sep 23...	2.9	29	.25
Sep 24...	13	23	.80
Sep 29...	3.6	7	.07
Sep 30...	3.0	7	.06

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012520 Bald Mountain Brook near Bald Mountain, 1982 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)	Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1981				Nov, 1981			
Oct 1...	2.6	10	0.07	Nov 21...	4.8	15	0.19
Oct 2...	2.2	8	.05	Nov 22...	7.5	17	.34
Oct 3...	3.5	7	.07	Nov 23...	5.0	19	.26
Oct 4...	5.1	5	.07	Nov 24...	3.3	12	.11
Oct 5...	3.5	6	.06	Nov 25...	2.6	14	.10
Oct 6...	2.5	5	.03	Nov 26...	2.3	14	.09
Oct 7...	4.3	7	.10	Nov 27...	2.1	13	.07
Oct 8...	15	8	.31	Nov 28...	1.9	14	.07
Oct 9...	11	5	.15	Nov 29...	1.7	8	.04
Oct 10...	7.2	3	.06	Nov 30...	1.5	10	.04
Oct 11...	5.8	3	.05				
Oct 12...	5.2	4	.06				
Oct 13...	4.5	3	.04	Dec, 1981			
Oct 14...	4.0	1	.01	Dec 1...	1.5	9	.04
Oct 15...	3.5	3	.03	Dec 2...	1.4	3	.01
Oct 16...	3.3	3	.03	Dec 3...	1.5	3	.01
Oct 17...	3.1	3	.03	Dec 4...	1.8	2	.01
Oct 18...	2.8	3	.02	Dec 5...	1.8	8	.04
Oct 19...	8.5	12	.26	Dec 6...	2.4	3	.02
Oct 20...	7.2	3	.06	Dec 7...	7.4	2	.04
Oct 21...	4.9	1	.01	Dec 8...	7.7	8	.17
Oct 22...	3.9	3	.03	Dec 9...	5.8	7	.11
Oct 23...	5.2	5	.07	Dec 10...	5.1	3	.04
Oct 24...	20	11	.59	Dec 11...	4.5	3	.04
Oct 25...	14	4	.15	Dec 12...	4.0	6	.06
Oct 26...	9.8	4	.11	Dec 13...	3.6	8	.08
				Dec 14...	3.2	5	.04
				Dec 15...	2.9	9	.07
Nov, 1981				Dec 16...	2.6	26	.18
Nov 17...	2.1	14	.08	Dec 17...	2.5	12	.08
Nov 18...	3.0	11	.09	Dec 18...	2.3	9	.06
Nov 19...	3.7	13	.13	Dec 19...	2.2	10	.06
Nov 20...	2.8	14	.11	Dec 20...	2.1	3	.02
				Dec 21...	2.0	11	.06

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012520 Bald Mountain Brook near Bald Mountain, 1982 water year--continued

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Mar, 1982			
Mar 18...	0.63	2	0
Mar 19...	.61	2	0
Mar 20...	.60	2	0
Mar 21...	.79	2	0
Mar 22...	.64	2	0
Mar 23...	.52	3	0
Mar 24...	.45	2	0
Mar 25...	.70	5	0.01
Mar 26...	1.3	2	.01
Apr, 1982			
Apr 6...	4.5	5	.06
Apr 7...	3.8	6	.06
Apr 8...	3.5	9	.08
Apr 9...	3.3	87	.78
Apr 10...	3.2	30	.26
Apr 11...	3.3	11	.10
Apr 12...	3.8	36	.37
Apr 13...	4.2	26	.29
Apr 14...	4.7	15	.19
Apr 15...	4.5	3	.04
Apr 16...	4.4	4	.05
Apr 17...	7.0	8	.15
Apr 18...	27	12	.87
Apr 19...	15	8	.32
Apr 20...	10	6	.16
Apr 21...	15	6	.24
Apr 22...	19	9	.46
Apr 23...	13	13	.46
Apr 24...	18	9	.44
Apr 25...	30	25	2.3
Apr 26...	37	28	2.8
Apr 27...	43	30	3.5
May, 1982			
May 3...	12	6	0.19
May 4...	13	3	.11
May 5...	12	2	.06
May 6...	13	1	.04
May 7...	14	6	.23
May 8...	14	2	.08
May 9...	12	2	.06
May 10...	9.4	3	.08
May 11...	7.9	3	.06
May 12...	6.1	4	.07
May 13...	5.6	4	.06
May 14...	4.6	3	.04
May 15...	4.0	2	.02
May 16...	3.3	4	.04
May 17...	2.8	3	.02
Jun, 1982			
Jun 8...	.27	5	0
Jun 9...	.24	5	0
Jun 10...	.22	4	0
Jun 11...	.20	4	0
Jun 12...	.16	3	0
Jun 13...	.16	5	0
Jun 14...	.22	6	0
Jun 15...	.22	7	0
Jun 16...	.77	9	.02
Jun 17...	.69	3	.01
Jun 28...	.12	3	0

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012520 Bald Mountain Brook near Bald Mountain, 1982 water year--continued

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Jul, 1982			
Jul 15...	0.06	4	0
Jul 13...	.06	4	0
Jul 14...	.06	4	0
Jul 16...	.06	5	0
Jul 17...	.07	5	0
Jul 18...	.07	6	0
Jul 19...	.06	6	0
Jul 20...	.06	8	0
Jul 21...	.06	12	0
Jul 22...	.11	14	0
Jul 23...	.14	9	0
Jul 24...	.08	8	0
Jul 25...	.08	7	0
Jul 26...	.16	7	0
Jul 27...	.10	5	0
Jul 28...	.08	5	0
Jul 29...	.34	9	0.01
Jul 30...	.20	5	0
Jul 31...	.10	3	0
Aug, 1982			
Aug 1...	.08	5	0
Aug 2...	.07	6	0
Aug 3...	.06	4	0
Aug 4...	.06	5	0
Aug 5...	.07	10	0
Aug 6...	.08	8	0
Aug 7...	.07	8	0
Aug 8...	.08	5	0
Aug 9...	.08	10	0
Aug 10...	.51	12	.02
Aug 11...	.24	13	.01
Aug 12...	.12	13	0
Aug 13...	.14	14	.01
Aug 14...	0.24	17	0.01
Aug 15...	.22	27	.02
Aug 16...	.11	42	.01
Aug 17...	.08	39	.01
Aug 18...	.07	35	.01
Sep, 1982			
Sep 30...	.92	4	.01

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012520 Bald Mountain Brook near Bald Mountain, 1983 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1982			
Oct 1...	1.1	6	0.02
Oct 2...	3.6	6	.06
Oct 3...	1.9	4	.02
Oct 4...	1.3	5	.02
Oct 5...	1.0	4	.01
Oct 6...	0.86	6	.01
Oct 7...	.77	6	.01
Oct 8...	.91	11	.03
Oct 9...	2.0	5	.03
Oct 10...	1.5	6	.02
Oct 11...	1.1	6	.02
Oct 12...	.93	6	.02
Oct 13...	.87	8	.02
Oct 14...	1.3	3	.01
Oct 15...	2.0	1	.01
Oct 16...	1.5	1	0
Oct 17...	1.2	2	.01
Oct 18...	.99	1	0
Oct 19...	.85	1	0
Oct 20...	.74	6	.01
Oct 21...	.69	9	.02
Oct 22...	.64	11	.02
Oct 23...	.54	9	.01
Oct 24...	.51	8	.01
Oct 25...	.49	8	.01
Oct 26...	.47	8	.01
Oct 27...	.43	8	.01
Oct 28...	.44	8	.01
Oct 29...	.42	8	.01
Oct 30...	.40	7	.01
Oct 31...	.38	8	.01
Nov, 1982			
Nov 1...	0.34	8	0.01
Nov 9...	3.1	13	.11
Nov 10...	2.5	5	.03
Nov 11...	2.0	4	.02
Nov 12...	2.0	4	.02
Nov 13...	4.7	6	.08
Nov 14...	6.8	5	.09
Nov 20...	1.8	3	.01
Nov 21...	1.8	4	.02
Nov 22...	3.2	5	.04
Nov 23...	5.1	19	.26
Nov 24...	6.5	18	.32
Dec, 1982			
Dec 1...	2.0	6	.03
Dec 2...	1.9	6	.03
Dec 3...	2.2	11	.07
Dec 4...	5.4	9	.13
Dec 5...	6.5	10	.18
Dec 6...	5.0	4	.05
Dec 7...	5.0	6	.08
Dec 8...	3.5	4	.04
Apr, 1983			
Apr 26...	32	3	.26
Apr 27...	16	2	.09
Apr 28...	12	3	.10
Apr 29...	11	2	.06
Apr 30...	9.4	3	
May, 1983			
May 1...	8.4	2	0.05
May 2...	8.9	3	.07
May 3...	12	3	.10
May 4...	10	3	0
May 5...	9.8	4	.11
Jun, 1983			
Jun 8...	5.7	6	.09
Jun 9...	3.9	5	.05
Jun 10...	3.1	4	.03
Jun 11...	2.7	4	.03
Jun 12...	2.4	3	.02
Jun 13...	2.2	5	.03
Jun 14...	2.0	6	.03
Jun 15...	2.1	7	.04
Jun 16...	1.8	9	.04
Jun 17...	1.6	3	.01
Jun 28...	0.59	3	0
Jul, 1983			
Jul 21...	.56	17	.03
Jul 22...	25	28	1.9
Jul 23...	10	12	.32
Aug, 1983			
Aug 14...	.24	5	0
Aug 15...	.22	6	0
Aug 16...	.21	6	0
Aug 17...	.20	4	0
Aug 18...	.20	4	0
Aug 19...	.19	5	0
Aug 20...	.16	3	0
Aug 21...	.15	5	0
Aug 22...	.14	5	0
Aug 23...	.16	4	0
Aug 24...	.14	7	0
Aug 25...	.14	8	0
Aug 26...	.12	4	0
Aug 27...	1.1	13	.04
Aug 30...	.22	6	0
Aug 31...	1.3	15	.06
Sep, 1983			
Sep 1...	2.5	11	0.07
Sep 2...	0.94	9	.02
Sep 3...	.67	4	.01
Sep 4...	.44	3	0
Sep 5...	.30	3	0
Sep 6...	.24	5	0
Sep 7...	.42	9	.01
Sep 8...	.66	5	.01
Sep 9...	.35	5	0
Sep 10...	.33	7	.01
Sep 11...	.30	4	0
Sep 12...	.28	4	0

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012520 Bald Mountain Brook near Bald Mountain, 1984 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1983			
Oct 7...	4.3	4	0.05
Oct 8...	2.0	3	.02
Oct 9...	1.6	3	.01
Oct 10...	1.3	2	.01
Oct 11...	1.0	2	0
Oct 12...	0.92	2	0
Oct 13...	1.6	2	.01
Oct 14...	2.1	2	.01
Oct 15...	1.6	2	.01
Oct 16...	1.1	2	.01
Oct 17...	.93	2	.01
Oct 18...	.86	3	.01
Oct 19...	.78	3	.01
Oct 20...	.71	4	.01
Nov, 1983			
Nov 3...	.69	8	.01
Nov 4...	3.6	7	.07
Nov 5...	2.9	4	.03
Nov 6...	3.8	5	.05
Nov 7...	4.6	7	.09
Nov 8...	3.3	7	.06
Nov 9...	2.4	5	.03
Nov 10...	1.9	2	.01
Nov 11...	3.3	7	.06
Nov 12...	6.5	12	.21
Dec, 1983			
Dec 1...	3.9	3	.03
Dec 2...	3.4	7	.06
Dec 3...	3.0	7	.06
Dec 4...	2.6	5	.04
Dec 5...	2.4	4	.02
Dec 6...	2.2	6	.04
Dec 7...	5.0	9	.12
Dec 10...	4.3	9	.10
Dec 13...	2.1	9	.05
Dec 14...	11	8	.24
Feb, 1984			
Feb 15...	1.5	3	.01
Feb 16...	4.6	4	.05
Feb 17...	3.5	6	.06
Feb 18...	2.6	4	.03
Feb 19...	1.9	3	.02
Feb 20...	1.4	2	.01
Feb 21...	1.1	22	.06
Feb 22...	.86	8	.02
Feb 23...	.70	7	.01
Feb 24...	.58	21	.03
Feb 25...	.50	7	.01
Feb 26...	1.1	3	.01
Feb 27...	.97	10	.02
Feb 28...	.87	21	.05
Feb 29...	.78	17	.04
Mar, 1984			
Mar 1...	.74	10	.02
Mar 2...	.68	10	.02
Mar 3...	.66	13	.02
Mar, 1984--Continued			
Mar 4...	.64	10	.02
Mar 5...	.62	10	.02
Mar 6...	.60	11	.02
Mar 7...	.58	12	.02
Mar 8...	.56	10	.02
Mar 9...	.54	13	.02
Mar 10...	.53	20	.03
Mar 29...	1.5	9	.04
Mar 30...	1.4	7	.03
Mar 31...	1.2	7	.02
Apr, 1984			
Apr 1...	1.3	7	.02
Apr 2...	1.4	5	.02
Apr 3...	1.5	9	.04
Apr 4...	1.6	11	.05
Apr 5...	2.0	12	.06
Apr 6...	2.6	25	.18
Apr 7...	6.5	30	.53
Apr 8...	5.9	69	1.1
Apr 9...	5.5	19	.28
Apr 12...	6.1	28	.46
Apr 13...	7.8	24	.50
Apr 14...	13	17	.60
Apr 21...	19	2	.10
Apr 22...	16	3	.11
Apr 23...	13	13	.53
Apr 24...	31	9	.79
Apr 25...	41	5	.56
Apr 26...	26	3	.21
Apr 30...	17	2	.09
May 1984			
May 1...	15	3	.12
May 2...	9.1	3	.07
May 3...	5.8	9	.14
May 4...	5.3	4	.06
May 5...	7.5	6	.12
May 6...	9.5	6	.15
May 7...	6.4	4	.07
May 8...	5.2	8	.11
May 9...	5.5	3	.04
May 10...	5.3	3	.04
May 11...	4.2	12	.14
May 12...	3.9	14	.15
May 25...	2.2	2	.01
May 26...	1.8	1	.01
May 27...	1.7	3	.01
May 28...	1.4	1	0
May 29...	1.8	2	.01
May 30...	7.4	6	.12
May 31...	14	6	.23
Jun, 1984			
Jun 1...	15	3	.12
Jun 2...	8.0	2	.04
Jun 3...	5.8	2	.03
Jun 4...	4.7	4	.05
Jun 5...	3.9	3	.03

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012525 Bishop Mountain Brook near Bishop Mountain, 1982 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Nov, 1981			
Nov 17...	1.3	5	0.02
Nov 18...	2.8	17	.14
Nov 19...	3.7	20	.20
Nov 20...	2.4	13	.08
Nov 21...	5.6	19	.31
Nov 22...	7.9	21	.45
Nov 23...	4.0	13	.14
Dec, 1982			
Dec 1...	0.98	5	.01
Dec 2...	1.1	3	.01
Dec 3...	1.2	2	.01
Dec 4...	1.3	3	.01
Dec 5...	1.3	4	.01
Dec 6...	2.1	19	.11
Dec 7...	7.7	22	.46
Dec 8...	6.3	13	.22
Dec 9...	3.5	8	.08
Dec 10...	2.4	4	.03
Dec 11...	2.1	4	.02
Dec 12...	1.7	6	.03
Dec 13...	1.5	6	.02
Dec 14...	1.4	6	.02
Dec 15...	1.3	11	.04
Dec 16...	1.2	8	.03
Dec 17...	1.1	6	.02
Dec 18...	1.1	7	.02
Dec 19...	1.0	6	.02
Dec 20...	.98	6	.02
Dec 21...	.95	6	.02
Apr, 1982			
Apr 18...	22	13	0.77
Apr 20...	12	8	.26
Apr 19...	16	9	.39
Apr 21...	8.8	8	.19
May, 1982			
May 3...	3.5	3	.03
May 4...	4.5	6	.07
May 5...	3.7	15	.15
May 6...	5.0	4	.05
May 7...	6.0	3	.05
May 8...	7.4	3	.06
May 9...	6.3	3	.05
May 10...	4.9	5	.07
May 11...	4.0	9	.10
May 12...	3.6	12	.12
May 13...	3.0	8	.06
May 14...	2.5	8	.05
May 15...	2.2	14	.08

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012525 Bishop Mountain Brook near Bishop Mountain, 1983 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1982			
Oct 1...	3.4	7	0.07
Oct 2...	8.4	3	.07
Oct 3...	5.3	2	.03
Oct 4...	4.0	3	.03
Oct 5...	3.4	3	.03
Oct 6...	1.9	2	.01
Oct 7...	1.7	1	0
Oct 14...	3.1	5	.04
Oct 15...	4.9	3	.04
Oct 16...	4.1	6	.07
Oct 17...	3.1	6	.05
Oct 18...	2.4	3	.02
Oct 19...	2.0	5	.03
Oct 20...	1.5	5	.02
Oct 21...	0.93	6	.02
Oct 22...	.89	6	.01
Oct 23...	.79	5	.01
Oct 24...	.74	5	.01
Oct 25...	.71	4	.01
Oct 26...	.71	4	.01
Oct 27...	.66	3	.01
Oct 28...	.68	4	.01
Oct 29...	.66	4	.01
Oct 30...	.65	2	0
Oct 31...	.64	2	0
Nov, 1983			
Nov 1...	.60	3	0
Nov 2...	.78	4	.01
Nov 3...	1.9	2	.01
Nov 9...	2.4	5	.03
Nov 10...	2.1	9	.05
Nov 11...	1.9	7	.04
Nov 12...	1.9	8	0.04
Nov 13...	5.2	9	.13
Nov 14...	4.1	10	.11
Nov 15...	2.8	16	.12
Nov 16...	2.4	14	.09
Nov 20...	1.8	6	.03
Nov 21...	2.3	7	.04
Nov 22...	4.3	11	.13
Nov 23...	6.8	8	.15
Nov 24...	8.8	11	.26
Nov 25...	6.7	10	.18
Nov 26...	4.5	10	.12
Nov 27...	3.8	13	.13
Nov 28...	3.7	12	.12
Nov 29...	3.0	16	.13
Nov 30...	2.4	18	.12
Dec, 1983			
Dec 1...	2.2	2	.0
Dec 2...	2.0	2	.01
Dec 3...	4.0	7	.08
Dec 4...	9.2	9	.22
Dec 5...	7.8	8	.17
Dec 7...	6.1	12	.20
Dec 6...	6.4	6	.10
Dec 8...	4.6	7	.09
Apr, 1983			
Apr 19...	12	5	0.16
Apr 20...	9.8	7	.19
Apr 21...	8.6	4	.09
Apr 22...	7.9	8	.17
Apr 23...	4.7	8	.10
Apr 24...	2.9	6	.05
Apr 25...	22	9	.53
Apr 26...	18	10	.49
Apr 27...	14	6	.23
Apr 28...	12	7	.23
Apr 29...	8.3	6	.13
Apr 30...	6.0	6	.10
May, 1983			
May 1...	5.2	6	.08
May 2...	5.6	6	.09
May 3...	8.2	8	.18
Jul, 1983			
Jul 13...	0.31	5	0
Jul 14...	.43	8	.01
Jul 15...	.49	11	.01
Jul 16...	.54	14	.02
Jul 17...	.41	13	.01
Jul 18...	.25	11	.01
Jul 19...	.20	12	.01
Jul 20...	.23	11	.01
Jul 21...	1.0	26	.32
Jul 22...	23	39	2.1
Jul 23...	8.8	53	1.3
Jul 24...	5.8	30	.47
Jul 25...	5.5	23	.34
Jul 26...	3.8	12	.12
Jul 27...	2.7	12	.09
Jul 28...	2.7	10	.07
Jul 29...	2.2	4	.02
Jul 30...	1.8	4	.02
Jul 31...	1.3	7	.02
Aug, 1983			
Aug 31...	1.9	17	0.13
Sep, 1983			
Sep 1...	3.1	6	.05
Sep 2...	1.5	4	.02
Sep 3...	0.83	2	0
Sep 4...	.60	1	0
Sep 5...	.50	2	0
Sep 6...	.37	2	0
Sep 7...	.43	2	0
Sep 8...	.50	2	0
Sep 9...	.36	2	0
Sep 10...	.41	2	0
Sep 11...	.33	2	0
Sep 12...	.30	2	0
Sep 13...	.23	2	0

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012525 Bishop Mountain Brook near Bishop Mountain, 1984 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1983			
Oct 6...	4.2	3	0.03
Oct 7...	2.4	11	.07
Oct 8...	1.4	10	.04
Oct 9...	1.0	10	.03
Oct 10...	0.78	9	.02
Oct 11...	.61	10	.02
Oct 12...	.58	8	.01
Oct 13...	.90	9	.02
Oct 14...	1.3	6	.02
Oct 21...	.20	6	0
Oct 22...	.18	8	0
Oct 23...	.17	7	0
Oct 24...	.19	6	0
Oct 25...	.18	7	0
Oct 26...	.16	6	0
Oct 27...	.16	5	0
Oct 28...	.16	3	0
Oct 29...	.22	5	0
Oct 30...	.22	6	0
Oct 31...	.20	6	0
Nov, 1983			
Nov 1...	0.19	3	0
Nov 2...	.18	6	0
Nov 3...	.38	15	0.02
Nov 4...	2.4	32	.21
Nov 6...	2.7	11	.08
Nov 7...	3.0	6	.05
Nov 8...	2.0	4	.02
Nov 9...	1.5	4	.02
Nov 10...	1.1	4	.01
Nov 11...	2.0	5	.03
Nov 12...	4.9	30	.40
Nov 13...	3.4	20	.18
Nov 23...	1.9	15	.08
Nov 24...	1.8	10	.05
Nov 25...	9.8	19	.50
Nov 26...	11	12	.36
Nov 27...	6.2	7	.12
Nov 28...	4.0	5	.05
Nov 29...	3.0	9	.07
Nov 30...	2.6	6	.04
Dec, 1983			
Dec 1...	2.3	6	.04
Dec 2...	1.9	10	.05
Dec 3...	1.7	10	.05
Dec 4...	1.6	12	.05
Dec 5...	1.4	14	.05
Dec 6...	1.3	12	.04
Dec 7...	3.0	27	.22
Dec 10...	1.7	36	.16
Dec 13...	1.2	10	.03
Dec 14...	5.0	10	.14
Dec 15...	7.2	14	.27
Dec 27...	1.2	20	.06
Dec 28...	1.1	8	.02
Dec 29...	1.1	6	.02
Dec 30...	1.0	8	.02
Dec 31...	.95	9	.02
Jan, 1984			
Jan 1...	.90	6	.01
Jan 2...	.86	7	.02
Jan 3...	.82	6	.01
Jan 4...	.78	5	.01
Jan 5...	.75	5	.01
Jan 6...	.72	5	.01
Jan 7...	.69	5	.01
Jan 8...	.66	6	.01
Jan 9...	.63	5	.01
Jan 10...	.61	6	.01
Feb, 1984			
Feb 25...	.39	5	.01
Feb 26...	.70	5	.01
Feb 27...	.56	5	.01
Feb 28...	.50	5	.01
Feb 29...	.46	13	.02

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012525 Bishop Mountain Brook near Bishop Mountain, 1984 water year--continued

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Mar, 1984			
Mar 1...	.44	7	.01
Mar 2...	.42	7	.01
Mar 3...	.40	6	.01
Mar 4...	.38	6	.01
Mar 5...	.37	5	0
Mar 6...	.36	11	.01
Mar 7...	.35	17	.02
Mar 8...	.34	14	.01
Mar 9...	.33	9	.01
Mar 10...	.32	11	.01
Mar 11...	.32	15	.01
Mar 12...	.31	13	.01
Mar 29...	.90	7	.02
Mar 30...	.82	6	.01
Mar 31...	.75	4	.01
Apr, 1984			
Apr 1...	.77	4	.01
Apr 2...	.84	4	.01
Apr 3...	.90	6	.01
Apr 13...	4.2	8	.09
Apr 14...	6.0	10	.16
Apr 15...	8.4	6	.14
Apr 16...	12	3	.10
Apr 17...	17	4	.18
Apr 18...	15	3	.12
Apr 19...	13	3	.10
Apr 20...	13	3	.10
Apr 21...	12	3	.10
Apr 22...	11	3	.09
Apr 23...	13	5	.18
Apr, 1984--Continued			
Apr 24...	18	4	.19
Apr 25...	18	3	.15
Apr 26...	15	5	.20
Apr 27...	16	6	.26
Apr 28...	15	6	.24
Apr 29...	15	4	.16
Apr 30...	15	2	.08
May, 1984			
May 1...	16	2	.09
May 2...	12	2	.06
May 3...	8.6	2	.05
May 4...	8.0	2	.04
May 5...	10	2	.05
May 6...	11	1	.03
May 7...	8.5	1	.02
May 24...	2.8	15	.11
May 25...	2.3	3	.02
May 26...	1.9	4	.02
May 27...	1.7	4	.02
May 28...	1.4	4	.02
May 29...	1.8	7	.03
May 30...	7.2	9	.17
May 31...	11	3	.09
Jun, 1984			
Jun 1	9.2	3	.07
Jun 2	5.7	5	.08
Jun 3	3.9	5	.05
Jun 4	3.0	5	.04
Jun 5	2.5	3	.02

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012570 Fish River above inlet Fish River Lake, 1983 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1982			
Oct 1...	61	2	0.33
Oct 2...	127	2	.69
Oct 3...	102	2	.55
Oct 4...	87	2	.47
Oct 5...	78	3	.63
Oct 6...	72	2	.39
Oct 20...	50	5	.68
Oct 21...	48	3	.39
Oct 22...	46	4	.50
Oct 23...	42	3	.34
Oct 24...	40	3	.32
Oct 25...	41	5	.55
Oct 26...	39	2	.21
Oct 27...	36	5	.49
Oct 28...	34	5	.46
Oct 29...	33	5	.45
Oct 30...	32	8	.69
Oct 31...	30	5	.40
Nov, 1982			
Nov 1...	29	5	.39
Nov 2...	29	8	.63
Nov 9...	243	2	1.3
Nov 10...	212	2	1.1
Nov 11...	185	2	1.0
Nov 12...	169	2	.91
Nov 13...	231	2	1.2
Nov 14...	313	3	2.5
Nov 15...	268	3	2.2
Nov 16...	246	3	2.0
Nov 17...	219	2	1.2
Nov 18...	196	3	1.6
Nov 19...	176	3	1.4
Nov 22...	176	7	3.3
Nov 23...	211	8	4.6
Nov 24...	264	9	6.4
Nov 25...	265	8	5.7
Nov 26...	215	7	4.1
Nov 27...	190	6	3.1
Dec, 1982			
Dec 1...	150	2	0.81
Dec 2...	149	3	1.2
Dec 3...	149	2	.80
Dec 4...	225	2	1.2
Dec 5...	282	1	.76
Dec 6...	260	1	.70
Dec 7...	264	2	1.4
Dec 8...	230	2	1.2
Apr, 1983			
Apr 19...	1310	9	32
Apr 26...	1210	3	9.8
Apr 27...	1040	3	8.4
Apr 28...	868	3	7.0
Apr 29...	786	3	6.4
Apr 30...	731	3	5.9
May, 1983			
May 1...	663	5	9.0
May 2...	627	5	8.5
May 3...	673	9	16
May 4...	655	6	11
May 5...	628	7	12
Jul, 1983			
Jul 19...	16	2	.09
Jul 20...	15	6	.24
Jul 21...	17	8	.37
Jul 22...	404	13	14
Jul 23...	320	10	8.6
Jul 24...	204	7	3.9
Jul 25...	197	5	2.7
Jul 26...	157	8	3.4
Jul 27...	120	5	1.6
Jul 28...	105	5	1.4
Jul 29...	89	6	1.4
Jul 30...	77	6	1.2
Jul 31...	65	4	.70
Aug, 1983			
Aug 13...	17	5	0.23
Aug 14...	15	3	.12
Aug 15...	14	6	.23
Aug 16...	13	3	.11
Aug 17...	12	3	.10
Aug 18...	11	4	.12
Aug 19...	10	4	.11
Aug 20...	8.1	6	.13
Aug 21...	7.0	4	.08
Aug 22...	4.5	3	.04
Aug 23...	4.3	4	.05
Aug 24...	3.8	4	.04
Aug 25...	3.5	4	.04
Aug 30...	6.5	4	.07
Aug 31...	14	2	.08
Sep, 1983			
Sep 1...	36	2	.19
Sep 2...	24	1	.06
Sep 3...	22	1	.06
Sep 4...	30	1	.08
Sep 5...	20	1	.05
Sep 13...	14	4	.15
Sep 14...	12	5	.16
Sep 15...	10	7	.19
Sep 16...	8.6	7	.16
Sep 17...	7.7	8	.17
Sep 18...	13	6	.21
Sep 19...	17	4	.18
Sep 20...	15	5	.20
Sep 21...	13	5	.18
Sep 22...	65	9	1.6
Sep 23...	107	12	3.5
Sep 24...	55	8	1.2
Sep 25...	40	7	.76

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012570 Fish River above inlet Fish River Lake, 1984 water year

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Oct, 1983			
Oct 6...	148	5	2.0
Oct 7...	125	5	1.7
Oct 8...	91	3	.74
Oct 9...	79	3	.64
Oct 10...	68	3	.55
Oct 11...	59	2	.32
Oct 12...	53	2	.29
Oct 13...	57	3	.46
Oct 14...	71	3	.58
Oct 15...	67	4	.72
Oct 16...	59	6	.96
Oct 17...	52	5	.70
Oct 18...	48	7	.91
Oct 19...	45	4	.49
Oct 20...	41	2	.22
Oct 21...	38	2	.20
Oct 22...	36	1	.10
Oct 23...	34	1	.09
Oct 24...	33	2	.18
Oct 25...	31	2	.17
Oct 26...	29	3	.23
Oct 27...	27	2	.14
Oct 28...	26	2	.14
Oct 29...	28	2	.15
Oct 30...	29	2	.16
Oct 31...	27	2	.14
Nov, 1983			
Nov 1...	25	2	.14
Nov 2...	24	2	.13
Nov 3...	27	1	.07
Nov 4...	99	1	.27
Nov 5...	98	2	.53
Nov 6...	113	2	.61
Nov 7...	152	2	.82
Nov 8...	142	6	2.3
Nov 9...	125	7	2.4
Nov 10...	113	8	2.4
Nov 11...	135	9	3.3
Nov 12...	250	12	8.1
Nov 13...	275	8	5.9
Nov 14...	227	5	3.1
Nov 23...	208	5	2.8
Nov 24...	195	4	2.1
Nov 25...	342	16	19
Nov 26...	859	22	52
Nov 27...	739	8	16
Nov 28...	608	5	8.2
Nov 29...	515	6	8.3
Nov 30...	435	5	5.9
Dec, 1983			
Dec 1...	370	3	3.0
Dec 2...	300	6	4.9
Dec 3...	250	5	3.4
Dec 4...	210	5	2.8
Dec 5...	190	5	2.6
Dec 6...	170	3	1.4
Dec 7...	280	6	4.5
Dec 8...	330	9	8.0
Dec, 1983			
Dec 9...	285	12	9.2
Dec 10...	250	10	6.8
Dec 11...	215	10	5.8
Dec 16...	300	4	3.2
Dec 17...	255	3	2.1
Dec 18...	210	2	1.1
Dec 19...	185	3	1.5
Dec 20...	160	3	1.3
Dec 21...	140	10	3.8
Dec 22...	125	35	12
Dec 23...	110	38	11
Dec 24...	100	10	2.7
Dec 25...	94	8	2.0
Dec 26...	85	9	2.1
Dec 27...	76	6	1.2
Dec 28...	70	4	.76
Dec 29...	76	4	.82
Dec 30...	68	4	.73
Dec 31...	56	2	.30
Jan, 1984			
Jan 1...	50	3	.40
Jan 2...	46	6	.74
Jan 3...	43	5	.58
Jan 4...	41	5	.55
Jan 5...	40	4	.43
Jan 6...	39	4	.42
Jan 7...	38	4	.41
Jan 8...	37	5	.50
Feb, 1984			
Feb 15...	77	3	.62
Feb 16...	83	1	.22
Feb 17...	73	3	.59
Feb 18...	64	3	.52
Feb 19...	55	4	.59
Feb 20...	48	5	.65
Feb 21...	43	4	.46
Feb 22...	39	1	.10
Feb 23...	36	1	.10
Feb 24...	33	2	.18
Feb 25...	37	1	.10
Feb 26...	43	1	.12
Feb 27...	37	1	.10
Feb 28...	34	1	.09
Feb 29...	33	1	.09
Mar, 1984			
Mar 27...	100	6	1.6
Mar 28...	88	9	2.1
Mar 29...	78	10	2.1
Mar 30...	70	8	1.5
Mar 31...	60	8	1.3

Table 6.--Suspended-sediment discharge for selected days in the Bald Mountain watersheds--Continued

01012570 Fish River above inlet Fish River Lake, 1984 water year--continued

Date	Mean discharge (cfs)	Mean concentration (mg/L)	Sediment discharge (tons/day)
Apr, 1984			
Apr 1...	54	8	1.2
Apr 2...	60	8	1.3
Apr 3...	65	8	1.4
Apr 4...	75	6	1.2
Apr 5...	92	6	1.5
Apr 6...	120	5	1.6
Apr 7...	150	5	2.0
Apr 8...	240	7	4.5
Apr 9...	310	8	6.7
Apr 22...	858	19	44
Apr 23...	831	10	22
Apr 24...	1070	12	35
Apr 25...	1290	6	21
Apr 26...	1200	9	29
Apr 27...	1200	10	32
Apr 28...	1280	12	41
Apr 29...	1270	7	24
Apr 30...	1310	3	11
May, 1984			
May 1...	1440	5	19
May 2...	1290	4	14
May 3...	1050	3	8.5
May 4...	911	4	9.8
May 5...	851	4	9.2
May 6...	844	2	4.6
May 24...	284	7	5.4
May 25...	241	5	3.2
May 26...	210	3	1.7
May 27...	192	3	1.6
May 28...	170	3	1.4
May 29...	164	2	.88
May 30...	330	6	5.3
May 31...	500	9	12
Jun, 1984			
Jun 1...	680	11	20
Jun 2...	550	5	7.4
Jun 3...	460	3	3.7
Jun 4...	390	5	5.3
Jun 5...	320	3	2.6

Table 7.--Daily precipitation totals at continuous-recording gages

01012520 Rain Gage 1 near Bald Mountain, ME

Precipitation totals, in inches

	1980			1981								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		--	0.05	0.00	0.03	0.15	0.00	0.00	0.00	0.00	0.00	0.00
2		--	.18	.25	.83	.00	.31	.07	.00	.00	.00	.00
3		--	1.17	.02	.02	.03	.00	.00	.00	.03	.00	.00
4		--	.18	.00	.00	.00	.04	.00	.01	.00	.00	.00
5		--	.00	.01	.00	.05	.23	.00	.00	.00	1.80	.00
6		--	.00	.00	.00	.06	.02	.00	.12	.57	3.65	.00
7		--	.00	.47	.00	.07	.00	.00	.03	.00	.05	.00
8		--	.27	.00	.22	.00	.00	.00	.00	.09	.07	.00
9		--	.00	.00	.18	.00	.23	.00	.18	.00	.06	.51
10		--	.05	.30	.00	.00	.00	.00	.00	.01	.03	.09
11		--	.30	.05	.25	.00	.00	.04	.00	.00	.32	.01
12		--	.07	.00	.20	.00	.05	.16	.00	.00	.00	.00
13		--	.08	.20	.00	.03	.00	.94	.00	.20	.00	.00
14		--	.02	.00	.00	.05	.28	.03	.00	.15	.00	.24
15		--	.02	.00	.00	.00	.00	.00	.10	.00	.14	.01
16		--	.48	.00	.00	.00	.00	.52	.24	.00	1.19	.00
17		--	.05	.00	.00	1.37	.02	.50	.06	.01	2.45	.01
18		--	.00	.00	.00	.22	.21	.00	.00	.00	.06	.03
19		0.00	.03	.00	.07	.19	.00	.00	.00	.00	.00	.53
20		.00	.00	.00	.07	.05	.00	.00	.15	.00	.00	.16
21		.00	.00	.00	.10	.00	.00	.00	.41	.05	.00	.00
22		.00	.02	.14	.01	.00	.00	.07	.39	.00	.00	.06
23		.00	.08	.06	.00	.00	.00	.00	.01	.00	.48	1.25
24		.20	.24	.00	.05	.00	.41	.00	.00	.00	.00	.80
25		.63	.03	.00	.00	.00	.05	.00	.17	.00	.00	.02
26		.32	.00	.02	.48	.00	.00	.12	.80	.00	.00	.00
27		.03	.02	.02	.14	.00	.00	.16	.00	.31	.03	.16
28		.67	.02	.00	.08	.06	.00	.41	.00	.00	.00	.02
29		.17	.16	.00	--	.20	.66	.08	.00	.57	.00	.05
30		.03	.04	.00	--	.00	.93	.05	.01	.00	.31	.00
31		--	.01	.00	--	.34	--	.36	--	.01	.00	--
Total		--	3.30	1.54	2.73	3.80	2.56	3.47	2.85	2.31	10.73	3.95

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

01012520 Rain Gage 1 near Bald Mountain, ME.--Continued

Precipitation totals, in inches

	1981			1982								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.71	0.85	0.03	0.46	0.07	0.00	0.00	0.05	0.00
2	.05	.00	.11	.22	.00	.08	.03	.03	.82	.14	.00	1.25
3	.58	.00	.24	.00	.63	.02	.20	.00	.00	.12	.00	.71
4	.03	.00	.00	.97	.05	.00	.28	.00	.00	.00	.00	.00
5	.00	.00	.00	.02	.10	.39	.21	.00	.00	.00	.15	.00
6	.01	.24	.70	.00	.12	.00	.00	.00	.00	.00	.01	.46
7	.91	.17	.49	.03	.00	.52	.57	.00	.00	.00	.07	.00
8	.77	.00	.01	.01	.00	.19	.00	.00	.00	.00	.00	.00
9	.06	.00	.05	.02	.07	.01	.00	.00	.00	.00	.11	.00
10	.00	.00	.24	.00	.05	.00	.00	.19	.00	.00	.69	.00
11	.00	.07	.11	.00	.00	.08	.00	.05	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.34	.23	.00	.00	.00	.20	.00
14	.00	.00	.00	.13	.00	.04	.02	.00	.18	.00	.03	.08
15	.00	.00	.09	.02	.00	.00	.00	.00	.00	.00	.00	.09
16	.07	.03	.93	.01	.00	.00	.00	.00	.63	.00	.00	.81
17	.02	.17	.00	.04	.00	.00	.05	.00	.00	.00	.00	.02
18	.42	.78	.00	.00	.00	.00	.11	.00	.00	.00	.00	.03
19	.66	.09	.65	.00	.00	.00	.00	.04	.00	.11	.00	.00
20	.00	.30	.15	.02	.00	.00	.00	.11	.08	.00	.00	.00
21	.02	.75	.00	.00	.25	.00	.25	.00	.14	.00	.00	.00
22	.33	.00	.18	.00	.30	.36	.00	.00	.10	.31	.00	.05
23	.96	.00	.41	.37	.04	.11	.00	.00	.51	.01	.05	.00
24	.67	.01	.02	.13	.03	.02	.00	.00	.08	.00	.58	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	1.43	.00
26	.20	.00	.00	.00	.00	.45	.07	.00	.00	.01	.69	.00
27	.45	.23	.09	.00	.00	.05	.23	.00	.00	.00	.16	.73
28	.63	.05	.23	.04	.01	.00	.00	.00	.00	.28	.00	.01
29	.00	.02	.22	.02	--	.00	.00	.00	.15	.37	.00	.00
30	.00	.00	.00	.16	--	.04	.09	.00	.01	.00	.00	.00
31	.00	--	.00	.16	--	.01	--	.00	--	.00	.00	--
Total	6.84	2.91	4.95	3.00	2.50	2.74	2.80	0.49	2.70	1.60	4.04	4.24

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

01012520 Rain Gage 1 near Bald Mountain, ME.--Continued

Precipitation totals, in inches

Day	1982 OCT	1982 NOV	1982 DEC	1983 JAN	1983 FEB	1983 MAR	1983 APR	1983 MAY	1983 JUN	1983 JUL	1983 AUG	1983 SEP
1	0.66	0.00	0.13	0.00	0.04	0.05	0.00	0.00	0.12	0.00	0.00	0.00
2	.00	.39	.01	.00	.00	.83	.00	.49	.00	.44	.00	.15
3	.00	.01	.22	.02	.16	.57	.00	.06	.07	.00	.00	.02
4	.00	.00	.06	.00	.08	.00	.46	.19	.00	.00	.00	.00
5	.00	1.73	.05	.00	.12	.00	.03	.00	.00	.80	.00	.00
6	.00	.00	.02	.00	.00	.00	.01	.09	.53	.03	.00	.00
7	.00	.00	.00	.14	.31	.00	.00	.00	.07	.00	.00	.31
8	.40	.12	.00	.07	1.16	.02	.10	.00	.00	.11	.00	.00
9	.04	.02	.04	.00	.03	.00	.00	.31	.00	.04	.00	.10
10	.00	.00	.00	.00	.00	.03	.00	.11	.00	.00	.00	.00
11	.00	.00	.00	1.03	.00	.04	.59	.05	.00	.04	.00	.00
12	.00	.00	.00	.00	.00	.88	.48	.09	.00	.00	.00	.00
13	.08	.95	.00	.00	.00	.16	.01	.31	.00	.38	.00	.00
14	.38	.00	.01	.00	.00	.02	.00	.00	.32	.00	.00	.00
15	.10	.00	.01	.00	.00	.01	.00	.08	.00	.30	.00	.00
16	.00	.13	1.07	1.02	.00	.04	.11	.00	.00	.00	.00	.00
17	.00	.00	.00	.01	.09	.03	1.99	.00	.00	.00	.00	.34
18	.00	.00	.00	.00	.00	.00	.36	.00	.00	.00	.00	.01
19	.00	.00	.00	.00	.00	.12	.10	.00	.14	.00	.00	.10
20	.00	.00	.25	.00	.00	.36	.25	.24	.00	.18	.00	.00
21	.05	.54	.04	.00	.07	.02	.15	.01	.00	2.45	.00	.00
22	.00	.04	.00	.00	.00	.66	.05	.11	.00	1.20	.00	1.18
23	.00	.34	.00	.00	.29	.00	.00	.39	.00	.00	.00	.00
24	.00	.20	.20	1.00	.03	.00	.63	.64	.00	.44	.00	.00
25	.00	.00	.45	.04	.01	.00	.85	.03	.00	.00	.00	.00
26	.00	.33	.20	.00	.00	.00	.11	.00	.00	.00	.00	.00
27	.00	.02	.00	.00	.00	.00	.03	.44	.17	.11	.85	.00
28	.00	.00	.08	.00	.00	.44	.01	.56	.00	.00	.00	.00
29	.00	.44	.06	.00	--	.34	.07	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.07	1.07	.00	.00	.03	.00
31	.00	--	.00	.07	--	.00	--	.27	--	.00	.97	--
Total	1.71	5.26	2.90	3.40	2.39	4.62	6.46	5.54	1.42	6.52	1.85	2.21

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

01012520 Rain Gage 1 near Bald Mountain, ME.--Continued

Precipitation totals, in inches

	1983			1984								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.10			
2	.00	.00	.00	.00	.00	.00	.00	.00	.00			
3	.00	.76	.00	.00	.16	.00	.00	.00	.00			
4	.04	.15	.00	.00	.02	.00	.00	.82	.00			
5	1.18	.36	.12	.00	1.34	.08	.10	.35	.00			
6	.32	.43	.91	.05	.28	.03	.19	.00	.00			
7	.01	.03	1.17	.05	.00	.00	.29	.00	.04			
8	.08	.00	.00	.06	.02	.00	.32	.25	.11			
9	.00	.00	.00	.02	.00	.00	.00	.15	.00			
10	.00	.00	.00	.26	.02	.00	.18	.00	.00			
11	.00	.94	.00	.05	.01	.04	.00	.00	.00			
12	.01	.22	.39	.00	.02	.00	.01	.33	.00			
13	.40	.02	.86	.00	.00	.35	.02	.02	--			
14	.08	.00	.78	.06	.00	1.26	.00	.63	--			
15	.00	.08	.26	.00	.34	.00	.00	.00	--			
16	.00	.01	.00	.00	.00	.10	.43	.07	--			
17	.00	.94	.00	.00	.00	.15	.22	.00	--			
18	.00	.02	.00	.02	.00	.00	.00	.00	--			
19	.00	.00	.07	.16	.01	.00	.00	.00	--			
20	.00	.05	.00	.01	.30	.09	.00	.00	--			
21	.00	.00	.00	.02	.00	.02	.00	.00	--			
22	.00	.00	.62	.00	.01	.32	.00	.00	--			
23	.00	.03	.11	.00	.02	.07	.00	.47	--			
24	.00	.29	.00	.19	.00	.00	.00	.02	--			
25	.00	2.26	.00	.07	.00	.00	.34	.00	--			
26	.00	.00	.00	.03	.31	.00	.00	.10	--			
27	.00	.00	.00	.05	.01	.00	.00	.00	--			
28	.00	.00	.85	.09	.65	.00	.00	.00	--			
29	.15	.60	.05	.02	.42	.00	.00	.89	--			
30	.00	.63	.00	.04	--	.00	.00	.87	--			
31	.00	--	.00	.53	--	.00	--	.94	--			
Total	2.27	7.82	6.19	1.78	3.95	2.52	2.10	5.91	--			

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

4643500684414 Rain Gage 2 at Bald Mountain, ME

Precipitation totals, in inches

	1980			1981								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		--	0.06	0.00	0.14	0.15	0.03	0.00	0.02	0.00	0.00	0.00
2		--	.24	.29	.91	.00	.29	.14	.00	.00	.00	.00
3		--	1.22	.04	.00	.01	.00	.00	.00	.00	.00	.00
4		--	.09	.01	.00	.00	.03	.00	.08	.00	.00	.00
5		--	.00	.00	.00	.06	.25	.00	.01	.00	1.15	.00
6		--	.00	.02	.00	.08	.03	.01	.18	.63	3.59	.00
7		--	.01	.37	.00	.07	.00	.00	.04	.03	.51	.00
8		--	.40	.03	.23	.00	.00	.00	.00	.14	.07	.00
9		--	.04	.00	.17	.00	.23	.00	.16	.00	.04	.50
10		--	.05	.17	.00	.09	.00	.00	.00	.03	.00	.07
11		--	.00	.17	.33	.00	.00	.05	.00	.03	.42	.00
12		--	.03	.00	.12	.00	.05	.22	.00	.00	.11	.05
13		--	.07	.20	.00	.02	.00	.83	.00	.16	.00	.00
14		--	.07	.00	.00	.05	.37	.02	.00	.22	.00	.22
15		--	.00	.00	.03	.02	.00	.03	.09	.03	.21	.01
16		--	.48	.00	.00	.00	.00	.55	.23	.00	1.28	.01
17		--	.03	.00	.00	.10	.01	.42	.07	.00	2.35	.00
18		--	.02	.00	.00	22	.20	.00	.00	.02	.10	.03
19		0.00	.02	.00	.04	.19	.01	.00	.00	.00	.00	.61
20		.00	.00	.00	.04	.11	.01	.00	.16	.00	.00	.15
21		.00	.00	.00	.09	.01	.00	.00	.44	.04	.00	.00
22		.00	.02	.03	.01	.00	.00	.00	.27	.01	.00	.05
23		.00	.06	.13	.03	.00	.00	.03	.30	.00	.35	1.19
24		.36	.25	.03	.01	.00	.45	.00	.00	.00	.00	.85
25		.58	.05	.02	.01	.00	.02	.03	.14	.00	.00	.03
26		.15	.00	.01	.40	.00	.00	.12	.86	.00	.00	.00
27		.01	.00	.01	.21	.02	.00	.16	.01	.05	.00	.17
28		.74	.01	.01	.10	.01	.00	.41	.00	.00	.00	.03
29		.33	.16	.00	--	0.30	.73	.08	.00	.25	.00	.05
30		.00	.04	.00	--	.65	.00	.00	.00	.55	.00	.00
31		--	.01	.00	--	.57	--	.42	--	.05	.00	--
Total		--	3.43	1.54	2.87	3.73	2.71	3.52	3.06	2.64	10.18	4.02

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

4643500684414 Rain Gage 2 at Bald Mountain, ME.--Continued

Precipitation totals, in inches

	1981			1982								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.59	0.65	0.04	0.24	0.11	0.05	0.00	0.01	0.00
2	.02	.00	.11	.44	.00	.08	.00	.06	.85	.07	.00	1.17
3	.58	.00	.19	.00	.61	.03	.36	.00	.00	.09	.00	.61
4	.05	.00	.06	.92	.05	.00	.35	.00	.00	.00	.00	.00
5	.00	.00	.00	.06	.01	.39	.07	.00	.00	.00	.14	.00
6	.00	.23	.66	.00	.21	.00	.00	.00	.00	.00	.00	.44
7	1.00	.19	.53	.04	.00	.52	.60	.00	.00	.00	.06	.05
8	.80	.00	.04	.04	.03	.19	.00	.00	.00	.00	.00	.00
9	.01	.00	.05	.00	.03	.01	.00	.00	.00	.00	.10	.00
10	.00	.00	.20	.00	.05	.00	.00	.19	.00	.00	.75	.00
11	.00	.09	.15	.01	.00	.08	.00	.06	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.34	.25	.00	.00	.00	.23	.00
14	.00	.00	.00	.08	.00	.04	.03	.00	.14	.00	.17	.12
15	.00	.00	.02	.04	.00	.00	.00	.00	.00	.00	.00	.11
16	.09	.04	.96	.00	.00	.00	.00	.00	.56	.00	.00	.89
17	.00	.20	.03	.08	.00	.00	.02	.00	.00	.00	.00	.00
18	.15	.73	.00	.00	.00	.00	.15	.00	.00	.00	.03	.05
19	.93	.03	.52	.00	.00	.02	.00	.07	.00	.11	.06	.00
20	.03	.60	.23	.00	.00	.00	.00	.19	.13	.00	.00	.00
21	.02	.52	.04	.00	.24	.10	.29	.00	.10	.00	.00	.00
22	.27	.00	.20	.00	.29	.36	.00	.00	.07	.30	.00	.00
23	1.28	.00	.35	.30	.04	.11	.00	.00	.44	.02	.00	.00
24	.45	.00	.08	.08	.04	.02	.00	.06	.06	.00	.63	.00
25	.01	.00	.02	.00	.00	.00	.00	.00	.05	.24	1.48	.00
26	.20	.00	.00	.00	.00	.45	.04	.00	.00	.02	1.01	.00
27	.45	.20	.00	.00	.00	.06	.22	.00	.00	.00	.09	.80
28	.63	.06	.22	.00	.02	.00	.00	.00	.00	.32	.00	.02
29	.00	.00	.27	.05	--	.00	.00	.00	.12	.32	.04	.00
30	.00	.00	.01	.07	--	.00	.10	.00	.03	.00	.00	.00
31	.00	--	.00	.10	--	.14	--	.00	--	.04	.04	--
Total	6.97	2.89	4.94	2.90	2.27	2.98	2.72	0.68	2.60	1.53	4.84	4.26

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

4643500684414 Rain Gage 2 at Bald Mountain, ME.--Continued

Precipitation totals, in inches

	1982			1983								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.66	0.00	0.13	0.00	0.04	0.00	0.00	0.02	0.12	0.00	0.00	0.00
2	.00	.39	.00	.00	.00	.60	.00	.50	.00	.44	.00	.12
3	.00	.03	.24	.00	.18	.47	.00	.03	.07	.00	.06	.03
4	.00	.00	.06	.00	.09	.00	.44	.20	.00	.00	.00	.00
5	.00	1.63	.06	.00	.07	.00	.00	.00	.00	.77	.00	.00
6	.00	.00	.02	.00	.00	.00	.00	.07	.51	.03	.00	.00
7	.00	.00	.00	.19	.38	.00	.04	.00	.07	.01	.00	.39
8	.44	.10	.00	.02	.85	.00	.06	.00	.00	.11	.21	.00
9	.06	.00	.00	.00	.00	.03	.00	.30	.00	.04	.00	.10
10	.00	.00	.00	.02	.00	.00	.00	.11	.00	.00	.07	.00
11	.00	.00	.02	1.07	.00	.04	.83	.05	.00	.04	.00	.05
12	.00	.00	.00	.00	.00	1.00	.24	.09	.00	.00	.00	.00
13	.07	.98	.00	.00	.00	.10	.00	.30	.00	.31	.00	.00
14	.34	.00	.00	.00	.00	.00	.16	.01	.32	.00	.00	.00
15	.09	.00	.00	.04	.00	.00	.23	.08	.00	.34	.00	.00
16	.05	.00	1.08	.95	.00	.05	.19	.02	.00	.00	.00	.00
17	.00	.00	.00	.00	.06	1.89	.00	.00	.00	.00	.00	.40
18	.00	.00	.00	.00	.00	.00	.35	.00	.00	.00	.00	.01
19	.00	.00	.00	.00	.00	.30	.10	.00	.13	.00	.00	.04
20	.00	.00	.25	.00	.00	.27	.24	.31	.00	.00	.00	.00
21	.05	.60	.04	.00	.09	.02	.15	.01	.00	1.85	.00	.00
22	.00	.05	.00	.00	.00	.65	.05	.10	.00	1.36	.00	1.21
23	.00	.33	.00	.00	.39	.01	.00	.44	.00	.00	.00	.00
24	.00	.18	.12	.91	.03	.00	.63	.70	.00	.25	.00	.00
25	.00	.00	.01	.00	.00	.00	.85	.04	.00	.12	.00	.00
26	.00	.30	.18	.00	.00	.00	.11	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.44	.17	.20	.88	.00
28	.00	.00	.10	.00	.05	.70	.00	.59	.00	.00	.00	.00
29	.00	.39	.00	.00	--	.14	.05	.02	.00	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.05	1.05	.00	.00	.04	.00
31	.00	--	.00	.06	--	.00	--	.27	--	.00	.99	--
Total	1.76	4.98	2.81	3.26	2.23	4.38	6.66	5.75	1.39	6.07	2.25	2.35

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

4643500684414 Rain Gage 2 at Bald Mountain, ME.--Continued

Precipitation totals, in inches

	1983			1984								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.10			
2	.00	.00	.00	.00	.00	.00	.00	.00	.00			
3	.00	.69	.00	.00	.11	.00	.00	.00	.00			
4	.08	.15	.00	.00	.01	.00	.00	.80	.00			
5	1.20	.36	.12	.00	1.27	.08	.15	.42	.00			
6	.36	.41	.94	.00	.06	.03	.25	.00	.00			
7	.02	.06	1.47	.00	.00	.00	.29	.00	.04			
8	.05	.00	.00	.00	.00	.00	.25	.27	.11			
9	.02	.00	.00	.06	.00	.00	.00	.16	.00			
10	.00	.00	.00	.28	.01	.00	.16	.00	.00			
11	.00	.94	.00	.06	.01	.04	.00	.00	.00			
12	.00	.21	.24	.00	.01	.00	.00	.37	.00			
13	.45	.02	.61	.00	.00	.35	.01	.00	--			
14	.07	.00	1.00	.05	.12	1.25	.00	.63	--			
15	.00	.08	.44	.00	.15	.00	.00	.00	--			
16	.00	.01	.05	.00	.00	.10	.54	.07	--			
17	.00	.89	.00	.00	.00	.05	.21	.00	--			
18	.00	.02	.04	.05	.00	.02	.01	.00	--			
19	.00	.00	.12	.14	.00	.03	.01	.00	--			
20	.00	.05	.00	.01	.30	.07	.00	.00	--			
21	.00	.00	.00	.00	.05	.31	.00	.00	--			
22	.00	.00	.34	.00	.00	.02	.00	.00	--			
23	.00	.03	.16	.03	.03	.05	.00	.43	--			
24	.00	.29	.00	.28	.00	.00	.00	.00	--			
25	.00	2.20	.00	.09	.00	.00	.25	.00	--			
26	.00	.01	.00	.00	.35	.00	.00	.10	--			
27	.00	.00	.00	.19	.02	.00	.00	.00	--			
28	.00	.01	1.00	.00	.72	.00	.00	.00	--			
29	.13	.74	.06	.00	.42	.00	.00	.85	--			
30	.00	.69	.00	.02	--	.00	.00	.83	--			
31	.00	--	.00	.39	--	.00	--	.90	--			
Total	2.38	7.86	6.59	1.65	3.64	2.41	2.13	5.83	--			

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

4644350684416 Rain Gage 3 at Bishop Mountain, ME

Precipitation totals, in inches

	1981			1982								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		--	0.00	0.58	0.71	0.07	0.31	0.08	0.00	0.00	0.16	0.01
2		--	.07	.43	.00	.06	.00	.05	.86	.14	.00	1.22
3		--	.14	.00	.60	.01	.36	.00	.00	.12	.00	.62
4		0.00	.04	.91	.05	.10	.35	.00	.00	.01	.00	.00
5		.00	.01	.05	.05	.29	.07	.00	.00	.00	.14	.00
6		.20	.63	.00	.18	.00	.00	.00	.00	.00	.00	.45
7		.09	.50	.06	.00	.55	.34	.00	.00	.00	.07	.03
8		.13	.00	.02	.01	.18	.01	.00	.00	.00	.02	.00
9		.00	.07	.01	.04	.02	.00	.00	.00	.00	.10	.00
10		.00	.24	.01	.11	.01	.00	.19	.00	.00	.71	.00
11		.03	.07	.00	.00	.05	.00	.04	.00	.00	.00	.00
12		.01	.02	.00	. 0	.00	.00	.00	.00	.00	.00	.00
13		.00	.00	.00	.00	.35	.20	.00	.00	.00	.26	.00
14		.00	.00	.09	.01	.05	.00	.00	.12	.00	.19	.10
15		.00	.06	.01	.00	.00	.00	.00	.00	.00	.00	.07
16		.04	.90	.03	.00	.00	.00	.00	.06	.00	.00	.80
17		.23	.02	.04	.00	.00	.00	.00	.00	.00	.00	.02
18		.27	.02	.00	.00	.00	.13	.00	.00	.00	.00	.02
19		.00	.62	.00	.02	.00	.00	.05	.01	.11	.00	.01
20		.16	.05	.00	.00	.00	.00	.18	.10	.00	.07	.00
21		.58	.01	.00	.16	.08	.25	.00	.13	.00	.00	.00
22		.01	.00	.00	.22	.35	.00	.00	.06	.34	.00	.05
23		.00	.12	.21	.06	.08	.00	.00	.48	.00	.02	.00
24		.00	.00	.13	.02	.02	.00	.00	.08	.00	.67	.00
25		.00	.01	.01	.00	.00	.00	.00	.03	.25	1.38	.00
26		.00	.01	.00	.00	.41	.08	.00	.00	.01	.87	.00
27		.00	.02	.00	.01	.07	.22	.00	.00	.00	.13	.76
28		.00	.08	.02	.00	.00	.00	.00	.07	.27	.03	.02
29		.00	.18	.00	--	.00	.00	.00	.16	.45	.01	.02
30		.00	.00	.08	--	.00	.08	.00	.00	.00	.00	.00
31		--	.00	.16	--	.14	--	.00	--	.03	.05	--
Total		--	3.89	2.85	2.25	2.89	2.40	0.59	2.70	1.73	4.88	4.20

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

4644350684416 Rain Gage 3 at Bishop Mountain, ME.--Continued

Precipitation totals, in inches

	1982			1983								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.60	0.00	0.22	0.00	0.03	0.04	0.00	0.04	0.11	0.00	0.00	0.00
2	.00	.38	.01	.00	.03	.58	.00	.48	.00	.49	.00	.13
3	.00	.01	.23	.01	.22	.52	.00	.00	.06	.00	.00	.03
4	.00	.00	.10	.00	.13	.01	.45	.21	.00	.00	.00	.00
5	.00	1.67	.04	.00	.01	.00	.00	.01	.00	.80	.00	.00
6	.00	.00	.04	.00	.00	.00	.00	.09	.49	.03	.00	.00
7	.03	.00	.02	.11	.41	.00	.07	.00	.16	.00	.00	.34
8	.38	.13	.00	.13	.93	.00	.02	.00	.00	.11	.00	.00
9	.08	.00	.07	.00	.03	.02	.01	.31	.00	.04	.00	.12
10	.00	.00	.00	.01	.00	.00	.01	.11	.00	.00	.00	.00
11	.00	.00	.00	1.08	.00	.04	.92	.05	.00	.04	.00	.00
12	.00	.00	.00	.00	.00	.97	.18	.09	.00	.00	.00	.00
13	.06	1.00	.00	.01	.00	.09	.02	.31	.00	.43	.00	.00
14	.32	.00	.00	.00	.00	.00	.00	.00	.65	.00	.00	.00
15	.08	.00	.02	.00	.00	.02	.00	.08	.00	.39	.00	.00
16	.00	.03	1.04	.85	.00	.03	.11	.04	.00	.00	.00	.00
17	.00	.00	.02	.02	.08	.01	1.90	.00	.00	.00	.00	.43
18	.00	.00	.00	.03	.00	.01	.35	.00	.00	.00	.00	.01
19	.00	.00	.00	.03	.00	.43	.12	.00	.13	.00	.00	.08
20	.02	.00	.24	.00	.00	.12	.26	.19	.00	.12	.00	.00
21	.04	.70	.06	.00	.08	.47	.23	.03	.00	2.35	.00	.00
22	.00	.02	.01	.00	.00	.20	.05	.11	.00	.98	.00	1.26
23	.00	.41	.00	.00	.36	.02	.00	.41	.00	.00	.00	.00
24	.00	.19	.22	.99	.04	.00	.75	.73	.00	.33	.00	.00
25	.00	.01	.43	.04	.01	.01	.94	.03	.00	.01	.00	.00
26	.00	.29	.22	.01	.01	.00	.12	.00	.00	.00	.00	.00
27	.00	.01	.00	.01	.00	.00	.06	.44	.10	.30	1.06	.00
28	.00	.00	.03	.00	.00	.77	.01	.61	.00	.00	.00	.00
29	.00	.33	.08	.00	--	.09	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	--	.01	.04	1.13	.00	.00	.05	.00
31	.00	--	.00	.12	--	.00	--	.32	--	.00	1.01	--
Total	1.61	5018	3.10	3.45	2.37	4.46	6.62	5.82	1.70	6.42	2.12	2.40

Table 7.-- Daily precipitation totals at continuous-recording gages--Continued

4644350684416 Rain Gage 3 at Bishop Mountain, ME.--Continued

Precipitation totals, in inches

	1983			1984								
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08			
2	.00	.00	.00	.00	.00	.02	.00	.00	.00			
3	.00	.70	.00	.00	.11	.00	.00	.00	.00			
4	.10	.10	.00	.00	.05	.00	.00	.82	.00			
5	1.12	.21	.14	.00	.41	.08	.17	.34	.00			
6	.35	.46	.99	.03	1.10	.04	.22	.00	.00			
7	.00	.13	1.46	.07	.02	.00	.34	.00	.05			
8	.10	.00	.00	.03	.01	.00	.11	.28	.10			
9	.00	.00	.00	.02	.01	.00	.00	.15	.00			
10	.00	.00	.00	.23	.01	.00	.10	.00	.00			
11	.00	.88	.00	.07	.00	.01	.00	.00	.00			
12	.00	.21	.22	.00	.00	.00	.03	.40	.00			
13	.40	.01	.57	.00	.00	.00	.01	.00	--			
14	.05	.00	.83	.05	.00	1.25	.00	.64	--			
15	.00	.00	.66	.00	.33	.09	.00	.01	--			
16	.00	.00	.00	.00	.00	.16	.51	.07	--			
17	.00	.89	.00	.00	.00	.09	.18	.00	--			
18	.00	.02	.00	.07	.00	.00	.01	.00	--			
19	.00	.00	.09	.11	.04	.04	.01	.00	--			
20	.00	.05	.00	.01	.24	.08	.00	.00	--			
21	.00	.00	.00	.01	.01	.02	.00	.00	--			
22	.00	.00	.65	.00	.03	.30	.00	.00	--			
23	.00	.03	.10	.00	.00	.04	.00	.43	--			
24	.00	.29	.00	.25	.01	.03	.00	.01	--			
25	.00	2.19	.00	.09	.07	.00	.26	.00	--			
26	.00	.03	.00	.00	.24	.00	.00	.09	--			
27	.00	.00	.00	.19	.00	.00	.00	.00	--			
28	.00	.00	.94	.00	.83	.00	.00	.00	--			
29	.16	.98	.06	.00	.30	.00	.00	.86	--			
30	.00	.02	.00	.02	--	.01	.00	.85	--			
31	.00	--	.00	.38	--	.00	--	.94	--			
Total	2.28	7.20	6.71	1.63	3.82	2.26	1.95	5.89	--			

Table 9.--Daily air-temperature data in the Bald Mountain watersheds

	Air temperature, in degrees centigrade											
Day	January 1982			February 1982			March 1982			April 1982		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	---	---	---	-8	-15	-12	-9	-34	-22	7	0	4
2	---	---	---	-2	-24	-13	-1	-11	-6	1	-7	-3
3	---	---	---	1	-6	-2	-7	-16	-12	4	-13	-4
4	---	---	---	4	-10	-3	-3	-20	-12	3	-2	0
5	---	---	---	-9	-27	-18	4	-6	-1	0	-9	-4
6	---	---	---	-4	-13	-8	3	-17	-7	-3	-15	-9
7	---	---	---	-8	-19	-14	2	-2	0	-7	-11	-9
8	---	---	---	-6	-15	-10	1	-13	-6	-5	-8	-6
9	---	---	---	-6	-23	-14	-7	-27	-17	-1	-17	-9
10	---	---	---	-6	-20	-13	1	-26	-12	3	-19	-8
11	---	---	---	-7	-18	-12	6	-2	2	8	-11	-2
12	---	---	---	-6	-26	-16	5	3	4	6	-10	-2
13	---	---	---	-5	-26	-16	5	2	4	7	-11	-2
14	---	---	---	-7	-22	-14	5	-6	0	3	0	2
15	-8	-12	-10	2	-26	-12	-1	-7	-4	10	-8	1
16	-6	-16	-11	2	-13	-6	4	-10	-3	16	1	8
17	-7	-33	-20	-7	-27	-17	6	-13	-4	18	3	10
18	-21	-34	-28	-3	-30	-16	8	-14	-3	13	-1	6
19	-16	-24	-20	-2	-22	-12	8	-13	-2	7	-2	2
20	-8	-23	-16	5	-9	-2	5	-12	-4	7	1	4
21	-15	-25	-20	-1	-12	-6	5	-17	-6	6	-1	2
22	-15	-27	-21	-3	-9	-6	1	-3	-1	4	-2	1
23	-11	-32	-22	-1	-9	-5	4	-13	-4	8	-3	2
24	-6	-11	-8	-4	-16	-10	7	-18	-6	10	-6	2
25	-9	-25	-17	-15	-19	-17	12	-2	5	20	0	10
26	-16	-32	-24	-13	-19	-16	8	-4	2	21	2	12
27	-11	-31	-21	-8	-28	-18	-4	-15	-10	14	2	8
28	-4	-28	-16	-14	-33	-24	-9	-18	-14	7	-3	2
29	-2	-17	-10	---	---	---	5	-10	-2	8	-5	2
30	-5	-25	-15	---	---	---	12	-3	4	3	-5	-1
31	-1	-15	-8	---	---	---	8	-5	2	---	---	---
Mean	---	---	---	-5	-19	-12	3	-11	-4	7	-5	1
Max	---	---	---	5	-6	-2	12	3	5	21	3	12
Min	---	---	---	-15	-33	-24	-9	-34	-22	-7	-19	-9

Table 9.--Daily air-temperature data in the Bald Mountain watersheds--Continued

Day	May 1982			June 1982			July 1982			August 1982		
	Air temperature, in degrees centigrade											
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	5	-3	1	25	12	18	16	7	12	26	13	20
2	15	-4	6	17	6	12	21	10	16	19	4	12
3	14	0	7	15	0	8	17	2	10	20	0	10
4	12	-4	4	21	-3	9	19	0	10	23	5	14
5	17	-5	6	24	10	17	22	0	11	15	6	10
6	22	-4	9	24	7	16	27	7	17	22	8	15
7	24	4	14	22	4	13	32	16	24	19	7	13
8	26	3	14	24	3	14	29	16	22	23	9	16
9	15	7	11	27	4	16	25	11	18	13	11	12
10	7	3	5	27	6	16	24	6	15	25	14	20
11	6	2	4	23	8	16	29	2	16	19	10	14
12	13	0	6	21	11	16	28	13	20	20	4	12
13	13	4	8	14	6	10	22	12	17	16	5	10
14	12	0	6	11	5	8	28	8	18	19	13	16
15	18	2	10	17	8	12	29	7	18	26	11	18
16	20	3	12	19	9	14	28	11	20	29	8	18
17	13	-3	5	21	5	13	30	10	20	23	10	16
18	17	-6	6	23	2	12	31	17	24	22	4	13
19	22	-5	8	22	3	12	30	15	22	23	8	16
20	21	2	12	19	10	14	20	10	15	23	11	17
21	12	-5	4	21	8	14	24	7	16	15	5	10
22	15	-7	4	22	11	16	16	12	14	16	0	8
23	19	-7	6	21	10	16	23	9	16	17	2	10
24	16	-2	7	17	8	12	25	4	14	21	9	15
25	25	8	16	20	5	12	23	13	18	20	5	12
26	27	5	16	23	4	14	21	11	16	21	9	15
27	23	2	12	23	0	12	26	6	16	26	7	16
28	24	4	14	23	8	16	24	6	15	29	4	16
29	28	12	20	18	14	16	15	10	12	27	2	14
30	26	8	17	21	9	15	26	8	17	17	0	8
31	25	9	17	---	---	---	27	7	17	20	4	12
Mean	18	1	9	21	6	14	24	9	17	21	7	14
Max	28	12	20	27	14	18	32	17	24	29	14	20
Min	5	-7	1	11	-3	8	15	0	10	13	0	8

Table 9.--Daily air-temperature data in the Bald Mountain watersheds--Continued

Day	Air temperature, in degrees centigrade											
	September 1982			October 1982			November 1982			December 1982		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	18	0	9	16	7	12	14	-2	6	1	-4	-2
2	12	9	10	11	-1	5	6	-2	2	3	0	2
3	20	8	14	16	-1	8	12	4	8	7	2	4
4	17	7	12	16	-2	7	18	9	14	12	1	6
5	11	0	6	17	-3	7	18	1	10	4	-3	0
6	13	8	10	19	5	12	4	0	2	11	3	7
7	15	0	8	11	1	6	4	-1	2	9	-5	2
8	18	-1	8	6	3	4	8	0	4	-4	-9	-6
9	18	6	12	7	-3	2	1	-2	0	-5	-22	-14
10	23	9	16	11	-6	2	3	-5	-1	-11	-23	-17
11	22	10	16	15	-7	4	6	-8	-1	0	-17	-8
12	24	5	14	14	-6	8	14	6	10	-16	-24	-20
13	28	11	20	9	-1	4	15	-4	6	-17	-26	-22
14	28	14	21	12	7	10	-2	-7	-4	-5	-20	-12
15	11	9	10	10	4	7	-1	-5	-3	-2	-7	-4
16	10	7	8	8	3	6	0	-12	-6	6	-2	2
17	13	9	11	9	0	4	2	-11	-4	-1	-17	-9
18	13	8	10	9	-2	4	3	-13	-5	-10	-19	-14
19	15	3	9	16	0	8	1	-15	-7	-7	-19	-13
20	17	0	8	19	-1	9	3	-14	-6	-4	-7	-6
21	18	4	11	11	2	6	8	-1	4	-4	-8	-6
22	15	4	10	4	-6	-1	10	2	6	-7	-17	-12
23	13	7	10	7	-8	0	6	2	4	-6	-22	-14
24	21	6	14	7	-6	0	9	-7	1	-5	-22	-14
25	17	6	12	13	-3	5	-2	-10	-6	3	-5	-1
26	21	9	15	11	-6	2	0	-8	-4	9	-5	2
27	15	8	12	13	-7	3	-8	-16	-12	0	-11	-6
28	15	-1	7	17	5	11	-6	-19	-12	9	-12	-2
29	15	-3	6	14	2	8	-3	-8	-6	10	-2	4
30	21	4	12	18	1	10	-1	-4	-2	-1	-13	-7
31	---	---	---	17	2	10	---	---	---	-1	-13	-7
Mean	17	6	11	12	-1	6	5	-5	0	-1	-11	-6
Max	28	14	21	19	7	12	18	9	14	12	3	7
Min	10	-3	6	4	-8	-1	-8	-19	-12	-17	-26	-22

Table 9.--Daily air-temperature data in the Bald Mountain watersheds--Continued

Day	Air temperature, in degrees centigrade											
	January 1983			February 1983			March 1983			April 1983		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	1	-6	-2	0	-8	-4	7	-2	2	2	-12	-5
2	0	-16	-8	1	-17	-8	1	-5	-2	3	-3	0
3	-13	-23	-18	9	1	5	0	-5	-2	3	-4	0
4	-15	-25	-20	7	-7	0	-3	-8	-6	2	-1	0
5	-3	-19	-11	-7	-18	-12	-1	-19	-10	4	0	2
6	1	-4	-2	-11	-21	-16	4	-21	-8	7	-3	2
7	-2	-10	-6	-10	-23	-16	-1	-17	-9	10	-5	2
8	-3	-17	-10	-5	-11	-8	-2	-20	-11	8	1	4
9	-10	-25	-18	-7	-17	-12	4	-10	-3	9	-4	2
10	2	-27	-12	-13	-20	-16	5	-3	1	9	-6	2
11	10	2	6	-10	-28	-19	0	-3	-2	2	-1	0
12	3	-5	-1	-9	-30	-20	0	-1	0	3	0	2
13	-5	-13	-9	-3	-30	-16	2	-2	0	8	-3	2
14	-4	-17	-10	3	-9	-3	0	-4	-2	7	-4	2
15	-6	-15	-10	1	-18	-8	4	-1	2	6	0	3
16	-6	-10	-8	1	-26	-12	1	-1	0	12	-1	6
17	-7	-15	-11	-2	-26	-14	5	-1	2	11	3	7
18	-15	-21	-18	0	-20	-10	5	-3	1	10	2	6
19	-14	-21	-18	-3	-25	-14	4	1	2	12	2	7
20	-13	-23	-18	-2	-20	-11	7	-2	2	9	1	5
21	-11	-29	-20	0	-18	-9	2	-7	-2	5	1	3
22	-3	-23	-13	-4	-20	-12	3	-3	0	6	-3	2
23	0	-11	-6	-9	-21	-15	-3	-13	-8	12	-3	4
24	2	-1	0	-4	-15	-10	-10	-16	-13	12	-2	5
25	2	-1	0	-2	-22	-12	-6	-21	-14	12	4	8
26	-1	-24	-12	-5	-24	-14	-5	-16	-10	11	5	8
27	-10	-29	-20	0	-24	-12	7	-17	-5	8	3	6
28	-4	-28	-16	2	-2	0	2	-3	0	17	1	9
29	-1	-28	-14	---	---	---	0	-7	-4	20	3	12
30	-3	-13	-8	---	---	---	-2	-9	-6	12	1	6
31	-1	-5	-3	---	---	---	3	-13	-5	---	---	---
Mean	-4	-16	-10	-3	-19	-11	1	-8	-4	8	-1	4
Max	10	2	6	9	1	5	7	1	2	20	5	12
Min	-15	-29	-20	-13	-30	-20	-10	-21	-14	2	-12	-5

Table 9.--Daily air-temperature data in the Bald Mountain watersheds--Continued

Day	Air temperature, in degrees centigrade											
	May 1983			June 1983			July 1983			August 1983		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	18	1	10	17	5	11	27	10	18	22	14	18
2	5	-2	2	16	3	10	21	14	18	23	10	16
3	19	3	11	20	-1	10	28	12	20	29	8	18
4	14	6	10	17	1	9	33	14	24	26	12	19
5	15	-1	7	18	4	11	29	15	22	28	11	20
6	11	-2	4	20	7	14	15	4	10	29	16	22
7	14	-2	6	18	5	12	21	2	12	26	11	18
8	21	7	14	17	1	9	22	8	15	27	12	20
9	12	7	10	22	-2	10	20	6	13	20	8	14
10	7	1	4	22	-2	10	14	5	10	17	4	10
11	8	1	4	22	6	14	23	4	14	19	2	10
12	8	3	6	26	7	16	27	6	16	21	2	12
13	12	6	9	27	11	19	21	13	17	24	0	12
14	18	2	10	29	14	22	26	11	18	27	3	15
15	16	1	8	27	13	20	24	15	20	27	9	18
16	9	1	5	28	16	22	25	13	19	30	13	22
17	10	-3	4	29	15	22	23	10	16	24	11	18
18	16	-5	6	26	15	20	25	5	15	26	16	21
19	22	-2	10	24	9	16	24	5	14	25	15	20
20	13	7	10	26	5	16	21	9	15	25	11	18
21	16	9	12	31	7	19	18	9	14	19	7	13
22	21	8	14	31	9	20	19	10	14	15	6	10
23	12	2	7	33	13	23	26	6	16	19	2	10
24	8	5	6	26	4	15	22	9	16	21	-1	10
25	11	7	9	18	1	10	22	10	16	27	6	16
26	13	6	10	24	0	12	23	6	14	22	8	15
27	10	8	9	20	6	13	24	3	14	24	9	16
28	9	4	6	20	0	10	29	15	22	26	7	16
29	17	1	9	27	0	14	26	19	22	24	10	17
30	10	7	8	27	3	15	27	9	18	19	13	16
31	10	6	8	---	---	---	26	4	15	15	13	14
Mean	13	3	8	24	6	15	24	9	16	23	9	16
Max	22	9	14	33	16	23	33	19	24	30	16	22
Min	5	-5	2	16	-2	9	14	2	10	15	-1	10

Table 9.--Daily air-temperature data in the Bald Mountain watersheds--Continued

Day	Air temperature, in degrees centigrade											
	September 1983			October 1983			November 1983			December 1983		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	19	7	13	26	6	16	13	-6	4	-1	-10	-6
2	26	7	16	24	8	16	14	-7	4	-3	-11	-7
3	24	10	17	24	7	16	6	1	4	-2	-18	-10
4	30	10	20	18	4	11	1	-3	-1	-7	-22	-14
5	29	14	22	7	3	5	0	-4	-2	-3	-10	-6
6	30	13	22	11	1	6	2	0	1	0	-7	-4
7	25	12	18	11	0	6	11	1	6	6	-10	-2
8	18	7	12	9	0	4	13	-1	6	-7	-16	-12
9	21	5	13	9	-4	2	15	-5	5	-3	-18	-10
10	23	9	16	11	-6	2	2	-5	-2	2	-18	-8
11	25	6	16	14	-6	4	2	-1	0	-13	-24	-18
12	21	3	12	16	-3	6	2	-3	0	-3	-21	-12
13	16	-1	8	17	13	15	0	-10	-5	0	-6	-3
14	16	-4	6	18	6	12	-2	-9	-6	0	-5	-2
15	16	-3	6	8	3	6	2	-12	-5	4	-2	1
16	15	-4	6	9	-2	4	1	-9	-4	2	-6	-2
17	12	3	8	10	-1	4	2	-1	0	-1	-13	-7
18	15	8	12	12	-2	5	-9	-1	-5	-10	-18	-14
19	21	7	14	6	-7	0	-2	-9	-6	-13	-25	-19
20	24	6	15	3	-9	-3	0	-7	-4	-18	-28	-23
21	29	11	20	5	-11	-3	0	-3	-2	-15	-26	-20
22	19	2	10	9	-10	0	1	-1	0	-3	-24	-14
23	15	0	8	11	-9	1	2	-1	0	-3	-16	-10
24	15	-2	6	10	-3	4	1	-1	0	-9	-20	-14
25	18	-2	8	6	-10	-2	1	0	0	-17	-19	-23
26	15	-1	7	2	-12	-5	0	-4	-2	-9	-27	-18
27	17	3	10	7	-7	0	-2	-4	-3	-5	-16	-10
28	15	-3	6	7	-4	2	-2	-10	-6	0	-20	-10
29	21	-4	8	7	-3	2	-1	-7	-4	-1	-16	-8
30	21	5	13	0	-4	-2	1	-3	-1	-14	-24	-19
31	---	---	---	9	-5	2	---	---	---	-9	-17	-13
Mean	20	4	12	11	-2	4	2	-4	-1	-5	-17	-11
Max	30	14	22	26	13	16	15	1	6	6	-2	1
Min	12	-4	6	0	-12	-5	-9	-12	-6	-18	-28	-23

Table 9.--Daily air-temperature data in the Bald Mountain watersheds--Continued

Day	Air temperature, in degrees centigrade											
	January 1984			February 1984			March 1984			April 1984		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-12	-27	-20	-12	-28	-20	-12	-19	-16	6	-18	-6
2	-11	-28	-20	-8	-28	-18	-14	-25	-20	4	-15	-6
3	-8	-24	-16	2	-30	-14	-14	-27	-20	4	-16	-6
4	-3	-13	-8	2	-6	-2	-11	-29	-20	6	-9	-2
5	-2	-6	-4	-1	-13	-7	-5	-23	-14	1	-9	-4
6	-1	-6	-4	-6	-12	-9	4	-9	-2	6	-1	2
7	-1	-18	-10	-12	-21	-16	-3	-20	-12	4	-5	0
8	-17	-21	-19	-17	-26	-22	-12	-24	-18	-5	-10	-8
9	-14	-25	-20	-19	-28	-24	-11	-30	-20	-2	-10	-6
10	-14	-19	-16	-16	-28	-22	-9	-25	-17	-1	-9	-5
11	-13	-28	-20	2	-22	-10	-4	-25	-14	6	-1	2
12	-20	-31	-26	4	-3	0	-13	-24	-18	4	-3	0
13	-13	-28	-20	5	-9	-2	-12	-29	-20	7	-4	2
14	-15	-28	-22	1	-9	-4	-12	-17	-14	9	-7	1
15	-14	-28	-21	5	-4	0	-2	-12	-7	9	-10	0
16	-10	-29	-20	2	-16	-7	4	-7	-2	3	-2	0
17	-13	-28	-20	4	-20	-8	-1	-11	-6	3	-1	1
18	-9	-25	-17	3	-15	-6	-2	-15	-8	3	-1	1
19	-9	-18	-14	3	-9	-3	0	-8	-4	10	-2	4
20	-15	-28	-22	0	-3	-2	1	-4	-2	12	-4	4
21	-19	-29	-24	-3	-9	-6	2	-2	0	5	-4	0
22	-16	-29	-22	-6	-11	-8	6	-1	2	7	-7	0
23	-10	-31	-20	6	-10	-2	2	-5	-2	20	-2	9
24	-1	-30	-16	1	-13	-6	-2	-15	-8	19	-1	9
25	0	-7	-4	6	-6	0	-4	-21	-12	6	-1	2
26	-7	-27	-17	1	-10	-4	-1	-18	-10	13	-1	6
27	-8	-30	-19	-6	-21	-14	-3	-16	-10	17	-2	8
28	-14	-35	-24	-7	-25	-16	1	-20	-10	20	-1	10
29	-13	-28	-20	0	-12	-6	0	-8	-4	20	-3	8
30	-7	-30	-18	---	---	---	0	-5	-2	22	10	16
31	-7	-17	-12	---	---	---	2	-14	-6	---	---	---
Mean	-10	-24	-17	-2	-15	-9	-4	-16	-10	8	5	1
Max	0	-6	-4	6	-3	0	6	-1	2	22	10	16
Min	-19	-35	-26	-19	-30	-24	-14	-30	-20	-5	-18	-8

Table 9.--Daily air-temperature data in the Bald Mountain watersheds--Continued

Day	Air temperature, in degrees centigrade											
	May 1984			June 1984			July 1984			August 1984		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	11	-2	4	13	6	10						
2	4	-5	0	16	4	10						
3	9	-7	1	15	1	8						
4	4	-7	2	14	3	8						
5	1	-2	0	17	4	10						
6	12	-4	4	21	2	12						
7	14	-7	4	24	13	18						
8	13	-6	4	28	16	22						
9	10	0	5	30	17	24						
10	10	-4	3	25	12	18						
11	17	-5	6	27	6	16						
12	9	6	8	24	1	12						
13	10	2	6	---	---	---						
14	3	1	2	---	---	---						
15	7	0	4	---	---	---						
16	9	-2	4	---	---	---						
17	11	-4	4	---	---	---						
18	13	-7	3	---	---	---						
19	16	-5	6	---	---	---						
20	17	2	10	---	---	---						
21	16	1	8	---	---	---						
22	23	-1	11	---	---	---						
23	26	13	20	---	---	---						
24	14	0	7	---	---	---						
25	17	-2	8	---	---	---						
26	28	8	18	---	---	---						
27	14	0	7	---	---	---						
28	13	-2	6	---	---	---						
29	5	1	3	---	---	---						
30	14	3	8	---	---	---						
31	14	6	10	---	---	---						
Mean	12	-1	6	---	---	---						
Max	28	13	20	---	---	---						
Min	1	-7	0	---	---	---						

Table 10.-- Daily global-radiation data in the Bald Mountain watersheds

Global radiation, in langleys
(gram-calories per square centimeter)

Day	1982 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	26	341	162	324	451	443	485	349	68	170	26
2	---	60	193	537	400	94	417	571	77	170	43	51
3	---	17	369	315	443	690	511	613	400	375	51	17
4	---	60	344	235	434	673	664	502	349	383	77	145
5	---	179	68	273	562	656	588	136	494	383	26	136
6	---	60	358	494	477	698	375	477	60	281	128	77
7	---	51	68	204	485	681	605	204	494	290	111	85
8	---	85	34	315	605	579	732	460	409	51	26	94
9	---	77	43	349	179	366	417	102	221	170	77	111
10	---	43	51	400	128	605	554	502	375	383	153	60
11	---	60	60	477	145	647	375	247	247	383	128	68
12	---	77	128	519	383	460	383	324	426	315	51	68
13	---	102	119	281	375	596	298	145	307	60	17	111
14	43	94	273	273	468	145	579	273	383	60	196	85
15	85	85	468	528	468	477	519	554	68	128	26	26
16	196	290	494	290	579	230	579	571	43	145	179	17
17	128	332	460	400	613	537	519	315	111	196	153	128
18	230	341	443	187	690	511	605	545	136	213	145	128
19	230	119	477	622	443	605	605	392	375	298	136	119
20	162	281	349	221	281	358	315	443	392	264	153	34
21	187	102	494	170	698	409	571	511	298	102	111	68
22	238	94	279	307	690	579	119	502	153	247	77	94
23	68	162	312	358	690	119	417	145	85	196	26	128
24	105	290	502	647	579	426	639	273	434	315	34	43
25	192	290	434	605	732	562	145	264	204	273	77	17
26	198	426	225	349	690	511	417	349	332	298	34	34
27	208	409	281	187	622	630	579	443	102	298	51	170
28	119	332	392	477	656	375	238	528	153	264	9	34
29	136	---	230	656	698	128	187	451	417	128	34	51
30	60	---	502	196	673	537	656	426	298	204	77	187
31	111	---	187	---	622	---	434	417	---	213	---	119
Mean	---	162	290	368	511	478	467	393	273	231	86	82
Max	---	426	502	656	732	698	732	613	494	383	196	187
Min	---	17	34	162	128	94	119	102	43	51	9	17

Table 10.-- Daily global-radiation data in the Bald Mountain watersheds-- Continued

Global radiation, in langleys
(gram-calories per square centimeter)

Day	1983 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	60	34	179	333	307	400	366	375	392	358	204	70
2	145	156	43	268	102	400	204	511	383	324	153	43
3	196	34	136	205	349	630	528	230	392	324	34	60
4	170	51	409	111	119	307	656	529	460	85	34	86
5	111	281	409	187	349	579	400	383	392	43	43	43
6	94	281	247	453	443	264	290	588	358	153	60	43
7	95	77	349	428	255	409	502	613	264	281	128	103
8	148	111	162	136	443	562	324	230	460	85	196	85
9	94	230	213	562	60	681	443	392	204	162	68	95
10	26	111	187	434	170	639	375	639	400	332	111	46
11	102	179	102	60	213	630	537	519	238	324	34	140
12	94	298	26	145	196	571	664	511	383	238	17	60
13	153	204	213	579	153	417	196	528	502	111	128	34
14	187	255	85	460	434	460	622	596	494	68	128	25
15	51	349	153	417	218	494	307	477	494	196	187	26
16	26	269	255	426	443	562	554	545	358	307	17	26
17	137	92	315	111	614	477	554	255	111	111	43	131
18	115	217	341	162	664	502	647	290	179	119	26	130
19	121	290	94	426	622	596	511	571	196	273	60	93
20	135	417	136	255	111	656	213	383	264	264	34	132
21	171	102	366	230	290	605	187	426	298	281	17	94
22	111	213	85	238	639	477	230	153	281	255	17	85
23	128	43	255	298	136	579	400	485	324	255	26	120
24	102	204	102	238	51	664	375	545	307	238	102	114
25	68	290	451	111	179	571	571	528	434	281	51	102
26	196	375	444	213	230	630	494	341	196	136	102	82
27	60	136	438	170	136	102	485	392	247	204	87	88
28	187	102	102	383	204	690	400	366	426	68	150	77
29	128	---	143	460	511	681	94	145	460	94	40	128
30	153	---	273	204	102	485	460	128	68	111	106	138
31	43	---	462	---	153	---	341	85	---	221	---	138
Mean	116	193	231	290	287	524	417	412	332	203	80	85
Max	196	417	462	579	664	690	664	639	502	358	204	140
Min	26	34	26	60	51	102	94	85	68	43	17	25

Table 10.-- Daily global-radiation data in the Bald Mountain watersheds-- Continued

Global radiation, in langleys
(gram-calories per square centimeter)

Day	1984 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	144	212	235	460	417	247						
2	95	173	338	408	307	400						
3	90	94	213	516	392	392						
4	70	60	321	535	85	409						
5	50	34	313	200	554	255						
6	38	133	239	119	383	255						
7	53	198	358	134	511	409						
8	89	213	383	307	426	434						
9	98	141	390	426	588	579						
10	45	60	324	220	511	579						
11	151	68	240	298	290	485						
12	176	119	384	290	68	502						
13	100	204	396	344	179	---						
14	118	128	66	557	290	---						
15	145	85	298	494	179	---						
16	163	204	247	114	494	---						
17	124	255	115	89	77	---						
18	108	204	279	263	613	---						
19	88	213	272	486	537	---						
20	77	43	268	309	196	---						
21	119	157	312	218	221	---						
22	164	253	187	584	264	---						
23	115	230	191	554	502	---						
24	51	85	380	535	392	---						
25	67	145	475	80	238	---						
26	161	122	478	294	443	---						
27	97	252	269	613	494	---						
28	194	219	318	562	392	---						
29	138	85	368	628	102	---						
30	163	---	193	426	26	---						
31	54	---	451	---	111	---						
Mean	108	186	300	369	332	---						
Max	194	255	478	628	613	---						
Min	38	34	66	80	26	---						

Table 11.--Snow-survey data in the Bald Mountain watersheds

Date	Site 1		Site 2		Site 3	
	snow depth (inches)	water equivalent (inches)	snow depth (inches)	water equivalent (inches)	snow depth (inches)	water equivalent (inches)
12-12-80	----	---	16.7	3.4	3.8	0.4
12-22-80	13.0	2.1	20.5	3.4	9.3	1.9
01-06-81	19.6	3.6	19.4	3.5	9.8	2.4
02-06-81	16.5	4.2	21.6	4.8	10.8	3.0
02-16-81	11.4	3.4	17.8	5.1	----	---
03-25-81	12.3	4.5	6.4	2.0	6.4	2.0
12-29-81	17.2	3.0	----	---	22.2	3.0
02-04-82	37.2	6.9	30.8	9.6	35.6	10.6
03-04-82	----	---	40.1	8.4	33.6	9.1
03-17-82	33.0	7.9	41.6	12.7	35.8	9.9
04-22-82	18.4	5.2	14.6	5.2	11.6	4.0
01-29-83	----	---	8.9	1.0	6.7	1.7
03-05-83	17.2	3.4	20.2	3.9	9.8	2.2
12-27-83	26.2	5.2	28.5	4.6	----	---
12-28-83	----	---	----	---	16.0	4.4
02-03-84	----	---	37.7	6.0	28.8	7.6
02-28-84	----	---	32.0	9.6	24.2	7.2
03-29-84	----	---	41.4	13.6	----	---
04-12-84	----	---	34.4	9.8	25.3	9.7
	Site 4		Site 5		Site 6	
12-12-80	9.5	1.7	9.6	2.1	----	---
12-22-80	14.1	2.7	12.8	2.4	13.3	2.4
01-06-81	19.6	3.9	14.0	3.4	18.2	4.8
02-06-81	18.0	4.8	10.4	3.7	16.0	4.5
02-16-81	9.8	3.1	----	---	----	---
03-25-81	9.9	3.6	6.6	2.0	----	---
12-29-81	25.0	6.6	18.4	3.6	25.9	5.3
02-04-82	38.0	10.6	32.8	9.2	----	---
03-04-82	40.2	5.2	31.1	8.0	32.4	8.2
03-17-82	38.1	11.1	----	---	----	---
03-18-82	----	---	33.0	12.0	32.0	8.7
04-22-82	5.6	1.6	----	---	0.0	0.0
01-29-83	8.8	0.9	6.8	1.1	7.1	0.9
03-05-83	19.2	3.3	18.0	3.9	15.5	4.1
12-27-83	22.0	5.2	----	---	----	---
12-28-83	----	---	17.0	3.2	12.4	2.4
02-02-84	----	---	31.1	8.6	31.0	6.2
02-03-84	36.8	7.1	----	---	----	---
02-28-84	30.6	8.7	23.9	6.2	25.4	8.7
03-29-84	37.1	10.4	31.8	11.0	28.9	9.6
04-12-84	29.7	8.0	26.7	7.4	27.4	9.4

Table 11.--Snow-survey data in the Bald Mountain watersheds--Continued

Date	Site 7		Site 8		Site 9	
	snow depth (inches)	water equivalent (inches)	snow depth (inches)	water equivalent (inches)	snow depth (inches)	water equivalent (inches)
12-12-80	13.0	2.6	11.8	2.5	9.8	2.2
12-22-80	19.2	3.4	17.8	3.6	9.9	2.2
01-06-81	25.2	5.0	19.2	5.2	----	---
02-06-81	26.7	6.0	21.0	5.7	16.0	5.6
02-16-81	----	---	21.8	6.5	----	---
03-25-81	----	---	17.6	4.8	----	---
12-29-81	32.4	4.1	----	---	----	---
02-04-82	----	---	----	---	41.7	8.1
03-04-82	40.6	7.9	42.0	10.4	26.7	7.4
03-17-82	----	---	----	---	----	---
03-18-82	39.2	10.6	41.5	11.2	29.2	7.7
04-22-82	26.6	8.6	----	---	----	---
01-29-83	10.1	1.9	9.0	1.2	----	---
03-05-83	18.0	3.4	19.0	4.7	----	---
12-27-83	----	---	24.1	4.6	----	---
12-28-83	26.0	5.1	----	---	----	---
02-03-84	38.5	9.2	----	---	----	---
02-28-84	32.2	8.4	----	---	----	---
03-29-84	45.8	12.7	47.7	15.1	----	---
04-12-84	26.7	5.8	45.6	15.2	----	---
	Site 10		Site 11		Site 12	
12-12-80	9.6	2.4	9.6	1.5	14.2	2.1
12-22-80	14.8	3.2	13.8	1.8	13.8	1.8
01-06-80	----	---	----	---	20.2	4.2
02-06-81	14.1	4.6	16.8	5.5	13.2	4.1
02-16-81	11.4	4.0	17.0	4.4	----	---
03-25-81	13.0	2.8	9.5	3.0	6.1	2.0
02-04-82	33.9	7.0	----	---	----	---
03-04-82	34.7	9.4	32.0	6.4	34.8	8.6
	Site 13					
12-12-80	9.8	1.9				
12-22-80	15.4	3.1				
01-06-81	18.1	3.7				
02-06-81	16.6	4.6				
02-16-81	18.0	5.4				
03-25-81	11.4	2.0				
02-04-81	40.8	11.4				
03-04-82	37.0	5.9				
03-18-82	37.4	9.4				