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FIELD DATA DESCRIBING THE MOVEMENT AND STORAGE OF SEDIMENT IN THE EAST FORK RIVER, WYOMING

PART III. River Hydraulics and Sediment Transport, 1980

By William W. Emmett, Robert M. Myrick, and Robert H. Meade

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ABSTRACT

Frequent measurements of river stage, water discharge, sediment-transport rate and particle-size gradation, and river slope were made at 44 cross sections along a 1.83-kilometer reach of the East Fork River, Wyoming, during the spring 1980 snowmelt runoff. Bankfull discharge is about 20 cubic meters per second; this was exceeded on 10 days or about 3 percent of the time. Maximum discharge was about 31 cubic meters per second which has a recurrence interval of about 2 years. Suspended-sediment concentrations remained less than 200 milligrams per liter. In general, less than half the suspended-sediment load was finer than sand-size material. Bedload-transport rates were variable and ranged from zero to more than 3 kilograms of dry mass per second, equivalent to about 20 newtons per second (watts per meter). Median grain size of bedload was about 0.5 to 1.0 millimeter by number of particles, or 1.0 to 2.0 millimeters by weight of particles. River slope along the entire 1.83-kilometer reach generally ranged from about 0.0007 at high flow to 0.0008 at low flow. Locally, river slope at low flow ranged from near zero in pool reaches to more than 0.002 in riffle reaches. At high flow, pools commonly had a steeper river gradient than riffles. Trends in river slope were reflected in the bedload-transport rates. During rising stages, pools scoured and bedload-transport rates were high; the riffles filled and bedload-transport rates were low. The opposite trend occurred during decreasing stages. Hydrologic data are tabulated and an explanatory text facilitates its use for description of river hydraulics and sediment transport.

INTRODUCTION

Since 1967, East Fork River in western Wyoming has been a field laboratory for the study of fluvial processes. Studies in East Fork River and its principal tributary, Muddy Creek, have been reported by Andrews (1979a, 1979b, 1981), Bagnold (1977, 1980), Bennett and Nordin (1977), Dietrich and others (1979), Dunne and Leopold (1978), Emmett (1980a, 1980b, 1981), Leopold and Emmett (1976, 1977), Lisle (1979), Mahoney and others (1976), Meade and others (1981), and Prestegaard (1982).

Beginning in 1979, the program was intensified to provide more definitive data on bedload transport in a stream where the distribution of transportable material on the streambed was not uniform. Data for the 1979 field season have been published as parts I and II of this series of reports (Emmett and others, 1980; Meade and others, 1980).

This report is the first (Part III) of two (Parts III and IV) that tabulate the data collected during the snowmelt runoff season of 1980 along a 1.83-km (kilometer) reach of East Fork River, Wyoming. Characteristics of the study reach and of the drainage basin upstream are summarized herein, as they have been by Andrews (1979b), Emmett and others (1980), and Mahoney and others (1976). This report also contains data on river hydraulics, channel geometry, and rate and gradation of transported sediment. The other report in the 1980 series (Part IV, Meade and others, 1982) tabulates the river-bed elevations that were measured and the types of bed material that were observed during a period of several months at cross sections along the reach.

Two principal differences distinguish the 1979 and 1980 data collections. First, during 1979, 41 cross sections were spaced approximately at equal distances along a 3.3-km reach; during 1980, 44 cross sections were spaced approximately at equal distances along the downstream most 1.83 km of the 1979 reach. Second, during 1979, bed-material sampling at each cross section was the dominant sediment measurement; during 1980, bedload measurements were the dominant sediment data collected at each cross section.

Prior to the 1979 field season, bed-material particles were dyed with a fluorescent resin coating, and separate-colored particles were injected as bed-material tracers at three sections within the study reach. Analysis of the dispersion, by distance and particle size, of fluorescent-tracer particles is presently underway.

BACKGROUND

The East Fork River originates in the Wind River Range of Wyoming west of the Continental Divide and east and south of Mt. Bonneville (fig. 1). From a series of small alpine lakes and an altitude of approximately 3,400 m (meters), the East Fork River descends about 1,250 m in 50 river km to the project reach described in this report. Downstream from the study reach, it continues another 50 km to its confluence with the New Fork River, tributary to the Green River.

During 1979, the study reach was 3.3 km long and terminated downstream at a bedload trap constructed across the river (Leopold and Emmett, 1976; Emmett, 1980a). The general configuration of this study reach is shown in figure 2; the number shown at each section is the centerline distance in meters upstream from the bedload trap. During 1980, only the lowermost 1.83 km of the 1979 reach were extensively measured. Exceptions were data on river stage, water discharge, and suspended sediment that were collected at section 2505. Additional cross sections and the general configuration of the 1980 study reach are shown in figure 3.

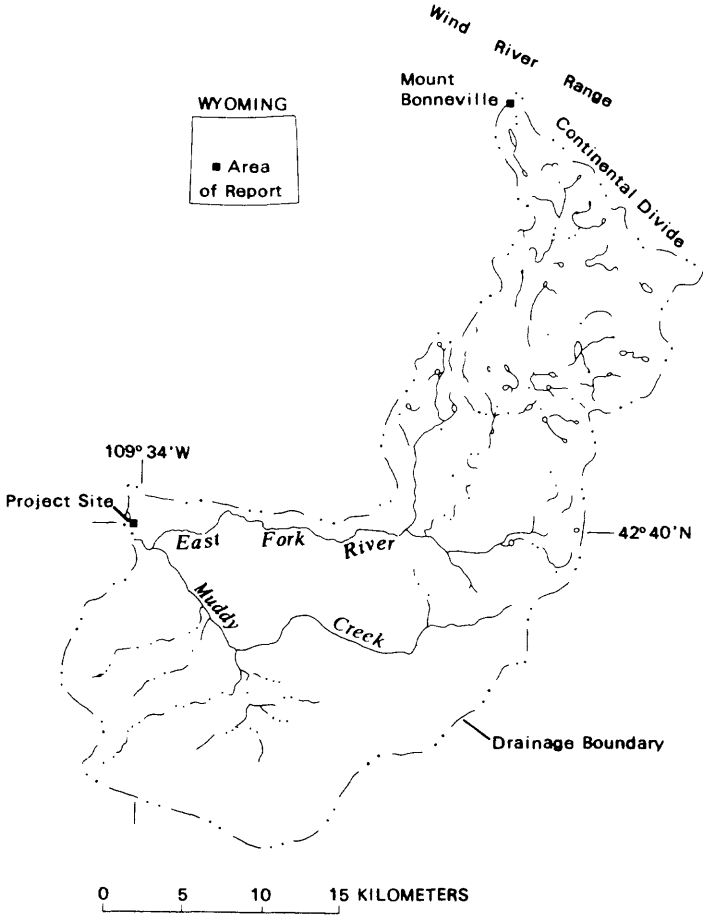

Figure 1.--East Fork River, Wyoming, drainage area.

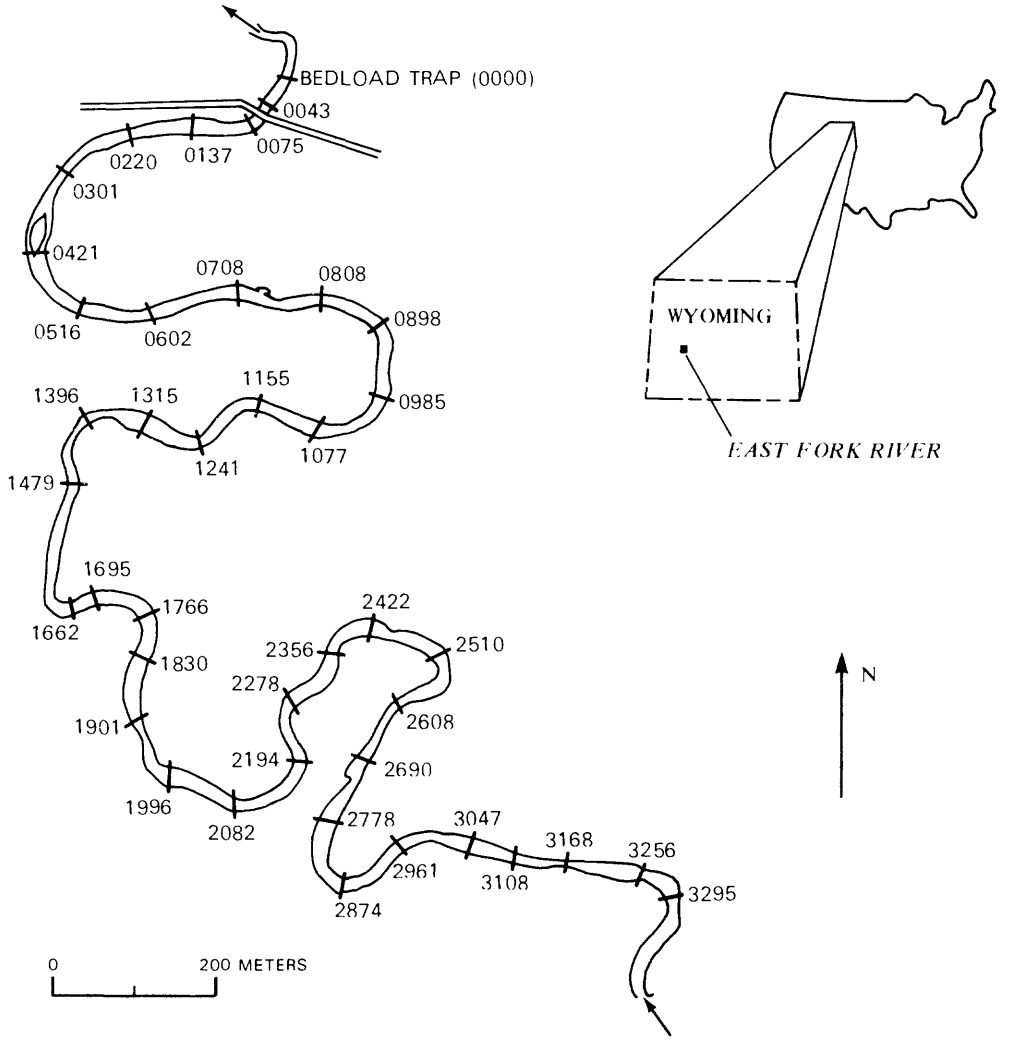

Figure 2.--Location of cross sections along the 3.3-km study reach, 1979.

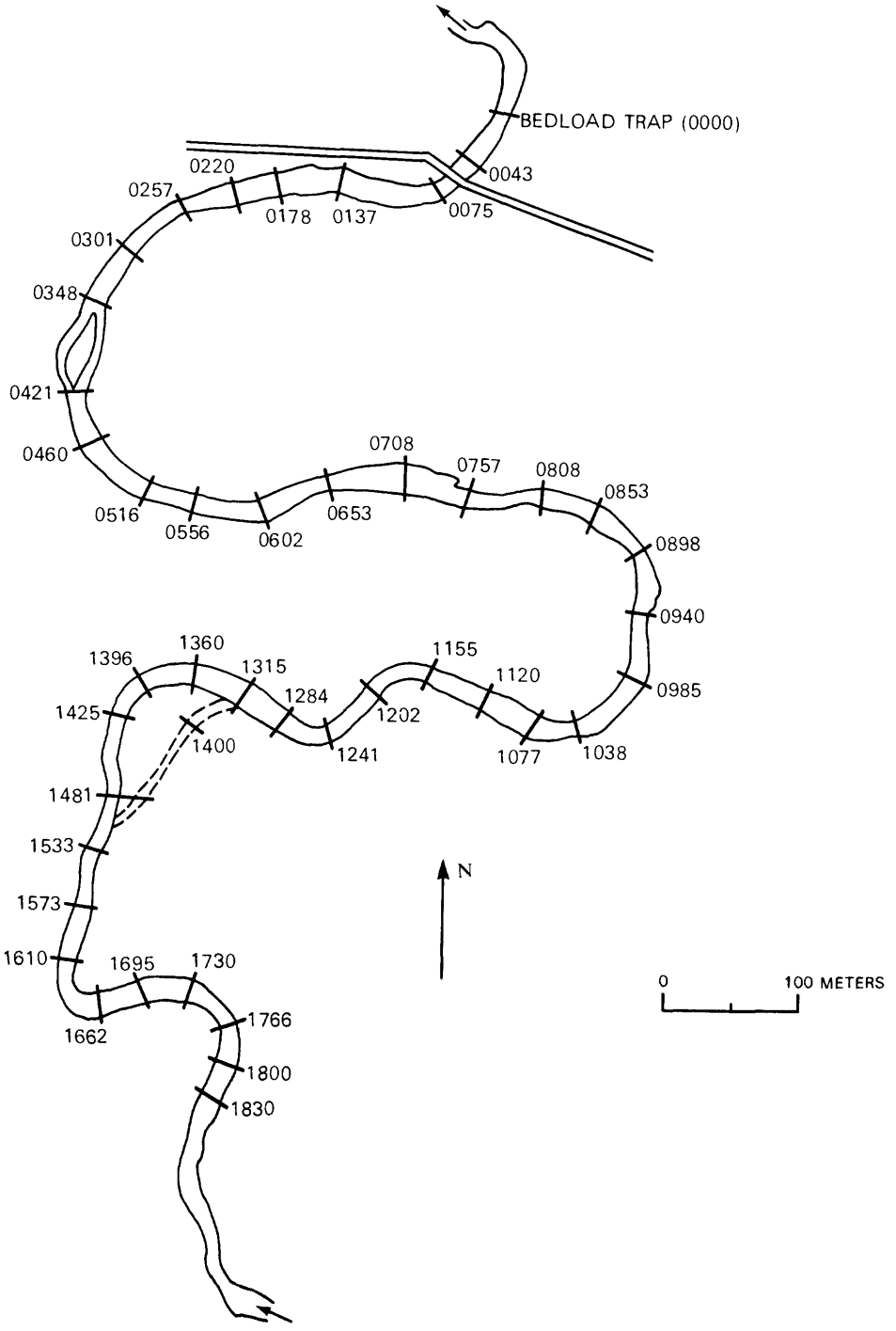

Figure 3.--Location of cross sections along the 1.83-km study reach, 1980.

The bedload trap was installed at latitude 42°40'23" N., longitude 109° 34'16" W. The drainage area of the East Fork River at this point is about 500 km^2 (square kilometer). Approximately half of this basin area lies within the Wind River Mountains; the other half of the basin area is drained by a major tributary, Muddy Creek, that enters the East Fork River about 4 km upstream from the bedload trap and drains an upland of rolling hills underlain by lower Tertiary sandstone and shale of the Wasatch Formation. The mountainous part of the basin is underlain by granitic and metamorphic rocks, mostly of Precambrian age. Much of the sand part of the sediment load for the East Fork River comes from the Muddy Creek basin, but most of the water during high flow comes from melting snow in the mountain area.

Along the study reach, the East Fork River meanders in a flood plain averaging 100 m in width, which, in turn, is confined by the Wasatch Formation or by glacial outwash terraces of sand and gravel. The tread or surface of the most prominent terrace is about 5 m above the flood plain. The terraces and outcrops of the Wasatch Formation are sources of fresh sand and gravel debris wherever the river impinges laterally against them.

All elevations reported herein are referenced to the National Geodetic Vertical Datum (NGVD) of 1929 by three complete leveling surveys, conducted during May and October 1979, and during September 1980. Partial leveling surveys were conducted to reestablish NGVD elevations to reference markers when they were repositioned after the river had damaged or destroyed them.

PRESENTATION OF DATA

Each type of collected data is presented in a table or series of tables; all tables are included at the end of this report. In most instances, footnotes make the tables self-explanatory. As each table or series of tables is presented, additional explanation is provided in the text to note exceptions in field procedures, differences in 1979 and 1980 techniques, types of data collected, relations to other tables, and, in general, to minimize any confusion in the compilation of data.

After all data are presented, there is a section titled Discussion. The principal purpose of that section is to present some of the data and their interrelations in graphical format. It is not intended as definitive interpretation but rather to enhance the explanation of the included data and to facilitate its use by others.

STAGE AND DISCHARGE

Mean annual precipitation in the drainage basin ranges from about 300 mm (millimeters) in the vicinity of the study reach to an estimated 1,200 mm in the headwater areas. This can be compared to a mean annual runoff of about 450 mm at gaging station 09203000, East Fork River near Big

Sandy, which is located about 22 river km upstream from the study reach. This value of runoff corresponds to a mean annual discharge of about 3 m^3/s (cubic meters per second) which is approximately valid for the study reach as well. Mean annual discharge is equaled or exceeded about 25 percent of the time.

Most of the precipitation occurs as snow. The high-flow season caused by spring snowmelt in the mountains extends from mid-May to early July and accounts for about 75 percent of the total annual flow. During spring runoff, diurnal fluctuations through the study reach are characterized by a rising stage during the morning, a peak stage at midday, and a declining stage during the afternoon. This fluctuation at the study reach reflects snowmelt in the mountains from the previous day.

Two continuous stage recorders were located at sections 0000 and 2505 (fig. 2). Hourly values of gage height provided by these records are listed in table 1 for section 0000 and table 2 for section 2505. The record for both sections includes the spring runoff period, and for section 0000 extends to late summer.

Discharge measurements were made at or near sections 0000 and 2505 to define rating curves relating gage height and water discharge. These discharge measurements are summarized in tables 3 and 4. Footnotes to tables 3 and 4 specify the exact locations of discharge measurements; water-level elevations were always referenced to section 0000 (table 3) or section 2505 (table 4). Though all measurements are valid to define rating curves for the respective section, not all data of tables 3 and 4 can be used to construct hydraulic-geometry relations at the two sections. For section 0000, the upper part of table 3 lists data of the complete discharge measurement; the lower part of table 3 lists effective values of the discharge measurement, or that part of the total discharge occurring above the 14.6-m width of the bedload trap. For section 2505, shallow overbank flows on the left-bank flood plain were not measured and all values listed in table 4 are effective discharges, or that part of the total discharge occurring within or above the main channel. All movement of bed material occurred within the measured width.

Stage-discharge relations determined from the measurements listed in tables 3 and 4 were applied to the stage records of tables 1 and 2 to give hourly values of discharge for the runoff season at sections 0000 and 2505. These hourly values of discharge are listed in tables 5 and 6.

The level of the flood plain corresponds with the bankfull stage of the river, at which the water has an average depth of about 1.2 m. The bankfull discharge is about 20 m^3/s. During 1980, bankfull discharge was exceeded on 10 days, or nearly 3 percent of the time. Maximum discharge during 1980 was about 31 m^3/s, which has a recurrence interval of about 2 years.

HYDRAULIC AND CHANNEL GEOMETRY

Of the 44 cross sections measured during 1980 (fig. 3), two are not typical of main-channel fluvial characteristics. Section 0000 (bedload trap) is constrained in its hydraulic adjustments because of the control created by the concrete bedload trap. Section 1400 (chute 1400) is across a major bypass channel that conveys water and sediment at all but lowest discharges. The cross-sectional shapes of the 42 main-channel sections, as well as section 1400 when it conveyed water, were measured daily or about daily during the period of principal runoff, and less frequently during the midsummer recession in flow. This massive data collection, involving more than 45,000 separate measurements of bed elevation, comprises the bulk of the information presented in Part IV of this report series (Meade and others, 1982). Certain summaries of this cross-sectional data constitute the hydraulic-geometry parameters that are applicable to the bedload-transport data of this report and are, accordingly, presented herein.

Summary data of hydraulic geometry for the 42 main-channel sections are presented in tables 7-48. The date column contains the dates that all, or in a few instances only selected, cross sections were measured. Thus, all tables have the same number of date entries and are formatted identically with the one exception that sections 0000 through 0653 were measured on September 16 and sections 0708 through 1830 were measured on September 15. The September 15-16 data (last date entry in the tables) may be considered synoptic because discharge was constant at a value of about 0.7 m^3/s. No entry in the time column indicates no measurement of cross section on that date for the given section.

Entries in the discharge column indicate that bedload-transport data as well as hydraulic-geometry data are available for that date. For each entry, the value listed is the discharge at section 0000 at the time water-level elevation was measured at section 0000. Times of water-level measurements for all dates and sections are listed in table 49. For various dates, some cross sections were measured during rising stages and others during declining stages; therefore, the listed values of discharge are only approximate for the given section. Because actual values of discharge are both higher and lower than the listed values, regression of actual water-level values at the given section versus discharge values as listed may provide a rating-curve relation capable of predicting discharge at the section more exactly than the value listed. This technique also may be used to compute values of discharge for dates when there is no entry.

Water-level elevations are mean centerline elevations determined by prorating values from both left- and right-bank staff gages. This procedure effectively eliminates effects of super elevation at curves and perturbations by bank irregularities. Active-bed elevations were determined by subtracting individual cross-channel soundings from the prorated cross-channel water-surface elevations. Mean values of the active-bed elevations were computed across the channel widths of the active bed.

The width of the active bed is defined as that cross-channel distance over which bedload may be transported. For each section, it has a maximum value equal to the distance between the bottoms of the left and right banks, but may have a lesser value at low flows. Channel-wide depths are mean values for the full water-surface width of the main-channel flow; however, the water-surface width of the main channel is exclusive of very shallow flood-plain flows that may occur at some sections during very high discharges. Values of the main-channel and total-flow areas usually are the same (see, for example, table 7, section 0043). There are two types of exceptions: (1) At some sections, secondary channels carry flow at high discharge; these were separately measured and values of their flow area were added to the main-channel values for sections 0257, 0301, 0653, 0808, and 1481 (tables 12, 13, 20, 23, and 39); and (2) any time chute section 1400 conveyed water, the flow area of section 1400 was added to sections 1360, 1396, and 1425 (tables 36-38).

Data of tables 7-48 allow computation of other hydraulic characteristics. For example, mean velocity in the main channel may be computed by dividing discharge by the main-channel flow area.

WATER-SURFACE ELEVATIONS

At each of the 43 main-channel cross sections shown in figure 3, left- and right-bank staff gages allowed measurement of water-level elevations. At 42 sections between these cross sections, additional left- and right-bank staff gages were located approximately halfway between sections. There were two exceptions to this spacing: (1) No additional staffs were located between sections 0043 and 0075 because of the effect of a road bridge; and (2) two pairs of staffs were located between sections 0075 and 0137 because this was a longer than average reach between sections. Thus, 170 staff gages arranged as 85 left- and right-bank pairs were about equally spaced along the study reach. These gages were measured in two ways: (1) Special traverses of the river reach by boat enabled all gages to be read within 1 to 2 hours; and (2) the gages were read within a longer time span (generally 4 to 6 hours) as survey crews measured the cross sections. Totally, the staff gages were read on 44 traverses of the river. These near-synoptic measurements of water level, about 7,500 separate measurements in all, are listed in table 49 by date, time, and section, and provide an extensive data base for computation of water-surface slope. Cross-referencing the times of table 49 to those in tables 1 and 2 provides a measure of any effect caused by diurnal fluctuations in stage. Although some slope traverses preceded the downstream passage of daily peaks in stage, other traverses lagged, and still others coincided with peak stage or were conducted at a near-constant stage. These minor differences in timing of the slope traverses are not sufficient to mask trends in slope characteristics with changes in stage, neither throughout the entire reach nor locally at given sections.

WATER-SURFACE SLOPE

Least-squares linear-regression techniques were applied to the sets of water-level elevations in table 49. Mean water-surface slopes throughout the 1,830-m reach for the 44 sets of staff-gage readings are listed in table 50. Slope ranged from 0.00083 at low water to 0.00066 at high water. Statistical data for the slope regressions are listed in table 50; for every regression, the standard error in slope was 0.00001. The time required to conduct each of the slope traverses is listed in the last column of the table.

Mean water-surface slope throughout the entire reach flattened as discharge increased. However, while local riffle reaches showed the same trend (indeed exaggerated; from >0.002 at low flow to <0.0005 at high flow), local pool reaches showed the opposite trend (from ≈0.0000 at low flow to ≈0.001 at high flow). Local slope is likely to have greater importance in hydraulic computations than is a mean slope for a long reach of river. To facilitate use of slope data, values of local slope at the 42 cross sections beginning with section 0043 (fig. 3) are listed in tables 51-92 for the 44 sets of observations. For each section, local slope for five different lengths of river reach are provided. These reach lengths are equivalent to 3, 5, 10, 15, and 20 channel widths, or distances of about 55 to 370 m. This also corresponds to using 3, 5, 9, 13, and 17 pairs of staff gages in the linear regressions. Note that for several upstream-most and downstream-most sections, local slope values for the longer of the local reaches could not be determined because gages did not exist beyond stations 0000 and 1830.

BED-MATERIAL GRADATION

Composition of the streambed of the East Fork River in the study reach is predominantly sand, but gravel bars are spaced at regular intervals. Bed material was not sampled during 1980, but it has been extensively sampled in the past (see Emmett, 1980a, and especially Emmett and others, 1980, tables 8 and 9). Composition of bed material varies greatly between the sandy pools and gravelly riffles, but overall the median grain size, d_{50}, is 1.28 mm; d_{35} and d_{65} have diameters of 0.50 and 2.88 mm; and d_{16} and d_{84} have diameters of 0.30 and 13.31 mm (Emmett and others, 1980).

Bed material larger than about 8 mm seldom is transported as bedload and represents a gravel base over which most bedload is transported. Painted-rock experiments on gravelly riffles indicate, with time, that all particles are likely to move at least small distances, but the paucity of such movements limits their effect in determining bedload-transport rates.

SUSPENDED SEDIMENT

Suspended-sediment concentrations were determined by collecting depth-integrated water samples at equal-width increments using either a DH-48 or D-74 sampler (Guy and Norman, 1970). Values of concentration are listed in tables 93 (section 0000) and 94 (section 2505). The suspended-sediment transport rate, in dry mass per unit time, may be computed as concentration x discharge x conversion constant; concentration is in milligrams per liter and discharge is in cubic meters per second. For units of kilograms per second, the conversion constant has a value of 1×10^{-3} $(\frac{L \cdot kg}{m^3 \cdot mg})$;

$$\frac{1 \times 10^3}{1 \times 10^6} = 1 \times 10^{-3}$$

where 1×10^3 is the number of liters in a cubic meter and 1×10^6 is the number of milligrams in a kilogram. For units of tons per day, the conversion constant has a value of 0.0864, converting kilograms to tons and seconds to days.

The fundamental physical quantity describing sediment transported in a stream is power dissipation. Values of suspended-sediment transport rate in the appropriate power dissipation units may be computed as concentration x discharge x conversion constant. The conversion constant has a value of 6.106×10^{-3} $(\frac{L \cdot kg}{m^2 \cdot mg \cdot s^2})$;

$$1 \times 10^{-3} \left(\frac{2.65 - 1.00}{2.65}\right) 9.807 = 6.106 \times 10^{-3}$$

where 1×10^{-3} is the conversion to dry mass in kilograms per second, the term in parentheses converts dry mass to immersed mass (2.65 is the solid mass density, 1.00 is the fluid mass density) and 9.807 is the acceleration of gravity in meters per second squared. Dimensions are watts per meter and represent the suspended-sediment transport rate (power dissipation) per unit length of channel. These values are equivalent to immersed weight (force) per unit time, in newtons per second.

Values of water temperature at the time of observation, and the percentage of sediment finer than the silt-sand break (0.062 mm), also are listed in tables 93 and 94.

BEDLOAD

Bedload was sampled at 42 main-channel sections (0043 to 1830) and at chute section 1400 by using Helley-Smith bedload samplers. The Helley-Smith sampler has been described by Helley and Smith (1971); additional description including calibration characteristics and field procedures has been provided by Emmett (1980a, 1980b, 1981).

Bedload at each measured section was sampled at 1-m increments across the full width of the active bed of the channel. All bedload was transported through the measured width of channel. As indicated by width data in tables 7-48, sampling involved a traverse across a constant bank-to-bank width for most days of measurement. For some lower-flow measurements, parts of the active bed were above water surface and, of course, were not measured.

At some sections, bedload samples at each increment of width were retained separately so that details of cross-channel variations in bedload characteristics could be determined. At other sections, only streamwide data were collected, either by compositing samples directly in the sampler or by retaining separate samples in a common container. Because more than 20,000 bedload measurements were involved, some compositing of samples was necessary to make subsequent analyses of size and transport rate a practical task. Cross-channel variations in bedload characteristics will be analyzed later; this report includes only streamwide composite values.

The bedload trap at section 0000, which has been used to collect most bedload data on the East Fork River since 1973, was not operated during 1980 for two reasons: (1) A sufficient data base has been collected for the bedload-trap section; and (2) the 1980 field program was designed to relate bedload characteristics to channel-geometry characteristics, and the concrete structure of the bedload trap does not allow a self-formed cross-sectional channel shape.

Bedload-Transport Rate

Data from the bedload sampling are listed in table 95. Values recorded are scale readings of dry mass, in grams, of bedload retained in the sampler during the cross-channel traverse of sampling. Values in table 95 may be converted to a weight (force), in newtons, by allowing for the acceleration of gravity. This conversion involved multiplication by a factor of $9.807 \times 10^{-3} \left(\frac{kg \cdot m}{g \cdot s^2}\right)$;

$$\frac{9.807}{1,000} = 9.807 \times 10^{-3}$$

where 9.807 is the acceleration of gravity in meters per second squared, and 1,000 is the conversion from grams to kilograms. Dashes in table 95 mean no samples were collected; values of zero are measured quantities. Bedload quantity measured on a given day in chute section 1400 was added to quantities measured in sections 1360, 1396, and 1425 on that day, because section 1400 served as a common measuring section for a channel that bypassed those three sections (fig. 3).

Data of table 95 are converted to streamwide-transport rates in table 96. The top part of table 96 presents transport rates as dry mass per unit time, in kilograms per second. This conversion involves multiplication by a factor of 4.374×10^{-4} $(\frac{kg}{g \cdot s})$;

$$\frac{1}{0.0762 \times 30 \times 1,000} = 4.374 \times 10^{-4}$$

where 1 is the 1-m incremental sampling positions, 0.0762 is the actual width in meters (width of sampler) sampled in each increment, 30 is the duration, in seconds, that the sampler was on the stream bottom at each position, and 1,000 is the conversion from grams to kilograms. Dimensions of values in the top part of table 96 are kilograms per second and represent the dry-mass transport rate of bedload.

As with suspended sediment the fundamental physical quantity describing bedload transported in a stream is power dissipation. Values of bedload-transport rate in the top part of table 96 are converted to the appropriate power dissipation units in the bottom part of table 96 by consideration of the immersed weight (force) of solids. This conversion involves multiplication by a factor of 6.106 $(\frac{m}{s^2})$;

$$(\frac{2.65 - 1.00}{2.65})\ 9.807 = 6.106$$

where the term in parentheses converts dry mass to immersed mass, and 9.807 is the acceleration of gravity in meters per second squared. Dimensions of values listed in the bottom part of table 96 are watts per meter and represent the bedload-transport rate (power dissipation) per unit length of channel. These values are equivalent to immersed weight (force) per unit time, in newtons per second. Values in the bottom part of table 96 may be further converted to bedload-transport rate (power dissipation) per unit area of streambed by dividing by the appropriate values of bed width listed in tables 7-48.

Individual values of transport rate listed in table 96 are subject to extreme values related to two factors: (1) With existence of bedforms, instantaneous bedload-transport rates range from about zero to four times the mean value (the sampling program minimized much of the effect of this variation because the number of samples collected at each section during the total time period necessary to collect the samples provided an averaging of instantaneous transport rates to approximate a mean transport rate); and (2) any given sample is likely to be erroneous because of problems inherent in bedload sampling. The second effect was minimized because known contaminated samples were discarded and new samples collected. To decrease the significance of extreme values in determining correlation of bedload data with hydraulic characteristics, some averaging of measured values is desirable. Data of table 96 appear in table 97 as a 3-section

average of measured values. Transport rates in table 97 are expressed in the same units as table 96. The top part of table 97 lists transport rates as dry mass per unit time, in kilograms per second. The bottom part of table 97 lists transport rates as power dissipation per unit length of channel, in watts per meter, which is equivalent to immersed weight (force) per unit time, in newtons per second. The values in table 97, resulting from the 3-section averaging of measured values, are considered appropriate for subsequent use in correlating transport-rate data to the hydraulic-geometry data in other tables of the report.

Bedload-transport rates from both parts of table 97 are summarized in tables 98-139 in a format that is compatible with the hydraulic geometry data of tables 7-48 and the slope data of tables 51-92. The first 3 columns of tables 98-139 list date, time, and discharge. These common entries will facilitate error-free cross referencing of tables 98-139 with other sets of tables.

To provide data for graphic explanation in the Discussion section of this report, tables 98-139 also list computed values of the ratio of mean velocity to shear velocity, u/u_*, and of stream power. Data for the computations come from tables 7-48 and 51-92. The parameter, u/u_*, is a measure of flow resistance and is inversely proportional to roughness. Mean velocity, u, is computed as discharge, in cubic meters per second, divided by main-channel flow area, in square meters; shear velocity, u_*, is computed as the square root of the product of gravitational acceleration (9.807 m/s^2); mean depth above the active-bed width, in meters; and water-surface slope. The term, u/u_*, is a dimensionless ratio. Stream power is a measure of the work rate of a stream; it is computed as the product of gravitational acceleration (9.807 m/s^2); mass density of water (1,000 kg/m^3); discharge, in cubic meters per second; and water-surface slope. (The appropriate mass density is that for the fluid mixture of water and suspended sediment; for flows with high values of suspended-sediment concentration, the values of fluid mass density are somewhat greater than 1,000 kg/m^3.) Dimensions of stream power are watts per meter (newtons per second) and represent the power available per unit length of channel, including that dissipated in the transport of sediment. Stream power per unit length of channel may be converted to stream power per unit area of streambed by dividing by the appropriate values of bed width listed in tables 7-48. Computed values of u/u_* and stream power involve values of water-surface slope from tables 51-92. Computations are provided for both a local slope (reach length equivalent to 5 channel widths) and a longer slope (reach length equivalent to 15 channel widths). Footnotes to these computations provide additional explanation; also see the section on Water-Surface Slope.

Bedload-Particle Size

Particle-size distributions of bedload samples were determined using an electronic image scanner and a microcomputer. The image-scanning system has been described by the manufacturer (Imanco[1], 1971) and applications of such systems are becoming more common in particle-size analyses. Only a brief summary of the procedure is given here. A slide is prepared from a representative selection of particles from the bedload sample, and the vertically-projected area of each particle is measured and the number of measured particles is counted. The equivalent diameter of each particle is determined from the equation for the area of a circle:

$$\text{Diameter} = \left(\frac{4\ \text{Area}}{\pi}\right)^{0.5}$$

which is equivalent to assuming equal-length middle and long axes (B and C axes) of a particle for it is unlikely that a particle would stand on other than its short (A) axis. By contrast, customary sieve analyses commonly represent a diameter equivalent to the A and B axes because vibratory motion lets the long axis of a particle go through a sieve opening which is related in size to the short and middle axes of the particle. However, for predominantly quartz particles ranging in size from medium sand to fine gravel, tests comparing sieved and scanned samples show little difference between the two. That is, particle shapes were more spheroid than elongated or oblate.

During the scanning procedure, a finite number of particles is counted and measured. Repetitive scanning counts of split samples indicated that a total count of 400 particles was adequate to allow replication of results if particles smaller than 0.5 mm were excluded from the count. Only one discrepancy was noted. If a sample contained only a few large particles, a large particle generally was, but not always, in the included count. (Large here is defined as relative to the size of other particles in the sample, always smaller than 16 mm, and usually about 4 mm.)

A summary of the particle-size distributions determined for each of the bedload samples is given in tables 140-181. The format of these tables is identical to those of the transport-rate data (tables 98-139) to enable cross-referencing of size and rate data. Particles smaller than 0.5 mm were deleted from the size analyses, but the deletion does not greatly affect the analysis because particles smaller than 0.5 mm are likely to represent suspended-transport processes rather than bedload processes. Dashes in tables 140-181 indicate either no sample was collected or the measured transport rate was zero. (Transport rates of zero are identified in tables 95-97.)

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[1]The use of brand names in this report is for identification only and does not constitute endorsement by the U.S. Geological Survey.

A summary of statistical data describing the particle-size distributions is given in tables 182-223. These tables list particle diameters at 10 different percentiles of the particle-size distributions. The upper parts of tables 182-223 provide statistics for size distributions determined by the number of particles of given size; they are based directly on data of tables 140-181. The bottom parts of tables 182-223 provide statistics based on converting a numbers distribution to a weight distribution. Sieve analyses provide distributions by weights, and comparative tests indicated that sieve-analysis results were proportional to the cube of scanning-analysis results. That is, weight is proportional to volume which is proportional to the cube of the diameter of the counted particles. When the percentage of particles retained in each size class is "weighted" by a factor equal to the cube of the diameter of the size class, the weighted values are equivalent to percentage-retained values obtained from sieve analyses. One exception was if a single large particle was retained, it did not greatly affect the size distribution of 400 counted particles; it represented 1/400, or 0.25 percent. But, if the large particle was 4 mm, its weighting factor was $(4)^3$ or 64, and its effect in the size distribution by weight was large (one 4-mm particle weighs as much as sixty-four 1-mm particles). Because it is unlikely that a large particle in a scanning analysis of only 400 particles represents the true frequency of large particles, particles larger than 4 mm were excluded in the preparation of the lower parts of tables 182-223. Values listed in the lower parts of tables 182-223 are considered representative of the equivalent sieve diameters for the percent-finer values listed. But for the most meaningful measure of largest particles in transport, reference should be back to tables 140-181.

DISCUSSION

The following discussion uses data of selected sections to illustrate some interrelations of hydraulic and sediment-transport characteristics. The discussion is not meant to be definitive interpretation, but only to enhance the earlier explanations.

To review, along a 1.83-km reach of river, 42 main-channel measuring sections were established at intervals equivalent to 2 to 3 channel widths. Thus, measuring sections were located in pools and riffles, curved and straight reaches, and several repetitions of such channel-geometry features. For approximately a 50-day period spanning the 1980 spring runoff season, near-daily measurements at each section included transverse water-surface and stream-bed elevations, and bedload-transport rate. In addition, longitudinal slope was measured and discharge was known. The data-collection program was designed to allow a complete sediment budget or accounting of the movement and storage of sediment within the reach of river. Data from seven sections, spanning the riffle-to-pool reach of section 1315 to section 1077 (see fig. 3), will be used as examples to illustrate the data. The period of record used is from May 13 to June 29, 1980, which is inclusive of the period of intensive bedload sampling.

The hydrograph, or discharge record, is shown at the top of figure 4. Values of discharge plotted are those at section 0000 and conform to the values of discharge listed in tables 7-48, 50, 51-92, and 98-139. Discharge was approximately bimodal with peaks on May 24 and June 12 (day 43). Mean water-surface slope (table 50) throughout the 1.83-m reach is plotted on the middle graph of figure 4; there was little change in mean slope with change in discharge. Slope ranged from 0.00083 at low flow to a little less than 0.0007 at high flow. The bottom graph on figure 4 shows local water-surface slope, measured along a reach of river equivalent to about 15 channel widths, or 275 m (tables 51-92). At the riffle (section 1315, table 79) slope decreased from about 0.0011 at low flow to about 0.0004 at high flow. Conversely, the pool (section 1077, table 73) increased in slope from about 0.0004 at low flow to a little more than 0.0008 at high flow. Two factors that effect later discussion are noted: (1) At high flow, the water-surface slope in the pool was steeper than that in the riffle; and (2) the peaking of the slope in the pool preceded the ebbing of the slope in the riffle.

The hydrograph is repeated at the top of figure 5. In the center of figure 5 is plotted stream power (tables 98-139), computed as described in the section entitled Bedload-Transport Rate. The differences noted in the slope relations (fig. 4) cause similar differences in the stream-power relations for the pool versus the riffle (fig. 5). At low flow, the pool (section 1077, table 120) had less stream power than the riffle (section 1315, table 126), and at high flow, the pool had the greater stream power. Bedload-transport rate, expressed as power dissipation (tables 98-139), is plotted at the bottom of figure 5, and the trends in transport rate approximate those of stream power. At low flow, little or no bedload was moving in the pool, but at high flow, maximum transport occurred in the pool. Bedload continued to move in the riffle at low flow, but at high flow the transport rate was not as high as in the pool.

Changes in hydraulic geometry (tables 7-48) concurrent with changes in bedload-transport rate (tables 98-139) are shown in figure 6. At high flow, the pool (section 1077, table 29) scoured to promote the high transport rate, and the riffle (section 1315, table 35) filled as it could not maintain the transport rate. Conversely, at low flow, which is shown at the top of figure 6, the bottom graph shows that the pool filled and the riffle scoured. Maximum scour in the pool preceded maximum fill on the riffle as the scour made the material available for storage.

The sequence of events leading to the pool-riffle comparisons shown in figures 4-6 is illustrated in figure 7 for all seven sections (1315 to 1077) from the riffle to the pool. Water-surface slope (tables 73-79) is shown in figure 7A. At high flow, the riffle had a flattened water-surface slope, the pool had a steepened slope, and intermediate sections had intermediate values. The opposite trend occurred at low flow. Stream power (tables 120-126) is shown in figure 7B. At low flow, the pools had lower values of stream power than the riffles; at high flow, pools had higher values of stream power than the riffles. Intermediate sections had intermediate values. For bedload-transport rate (tables 120-126), figure 7C

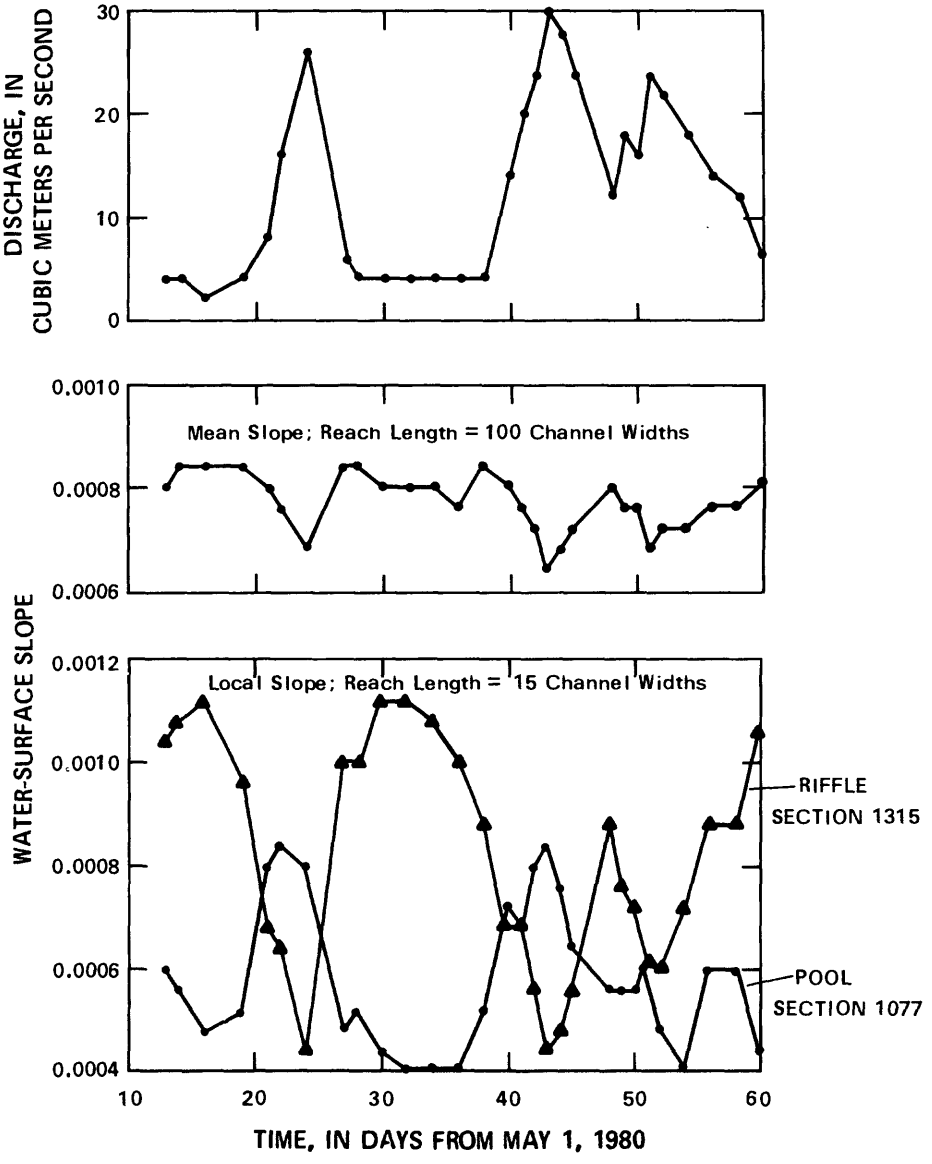

Figure 4.--Discharge, mean water-surface slope, and examples of local water-surface slope for a pool and a riffle, May-June 1980, East Fork River, Wyoming.

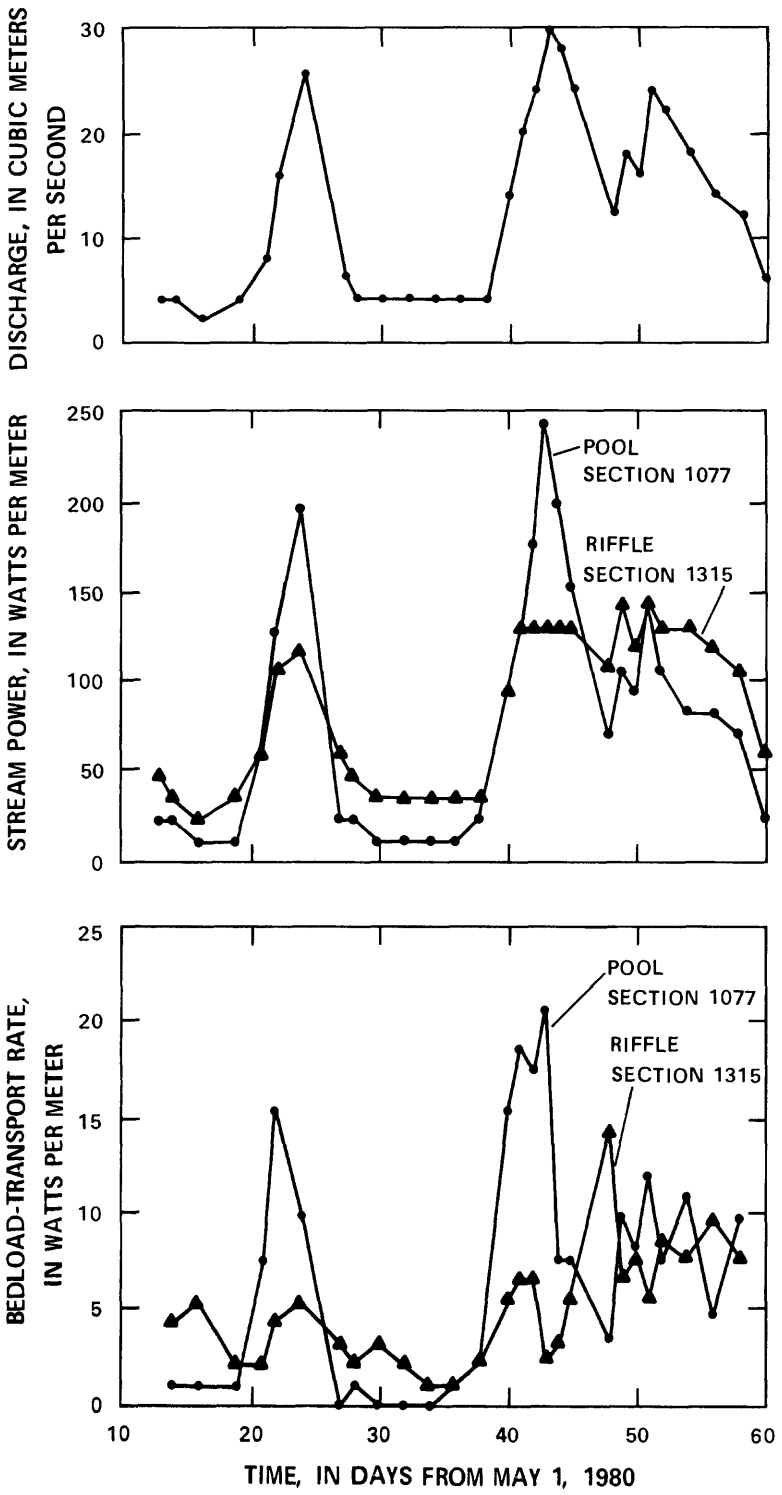

Figure 5.--Discharge, and examples of stream power and bedload-transport rate for a pool and a riffle, May-June 1980, East Fork River, Wyoming.

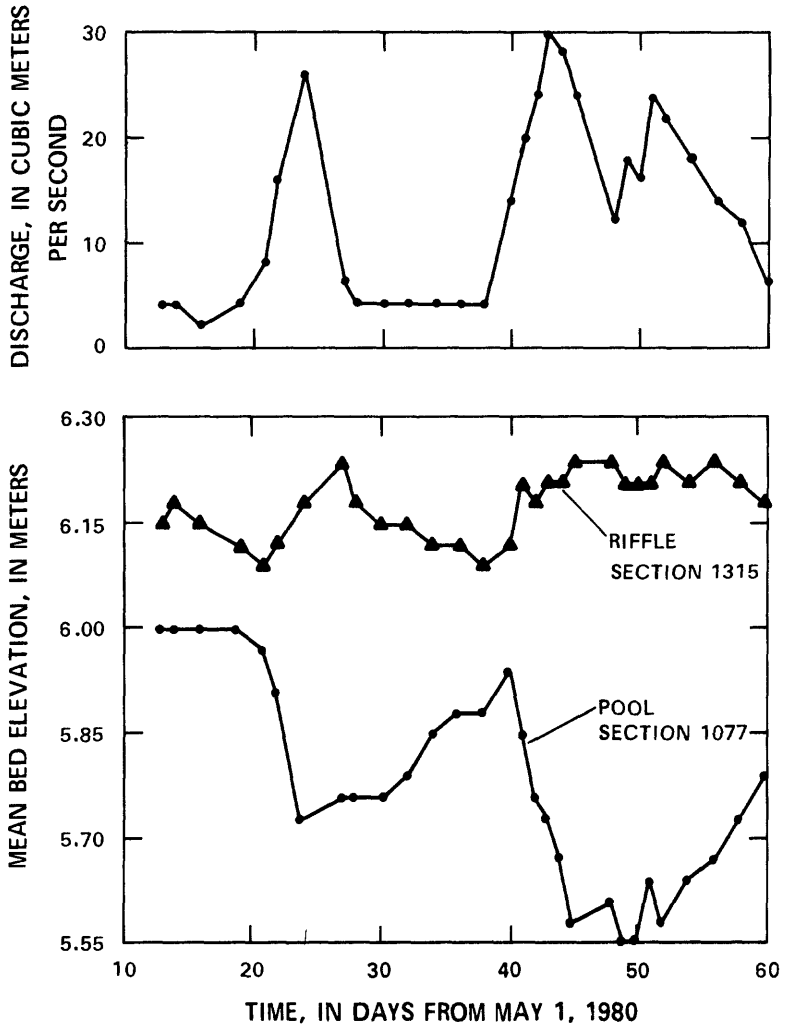

Figure 6.--Discharge, and examples of scour and fill for a pool and a riffle, May-June 1980, East Fork River, Wyoming.

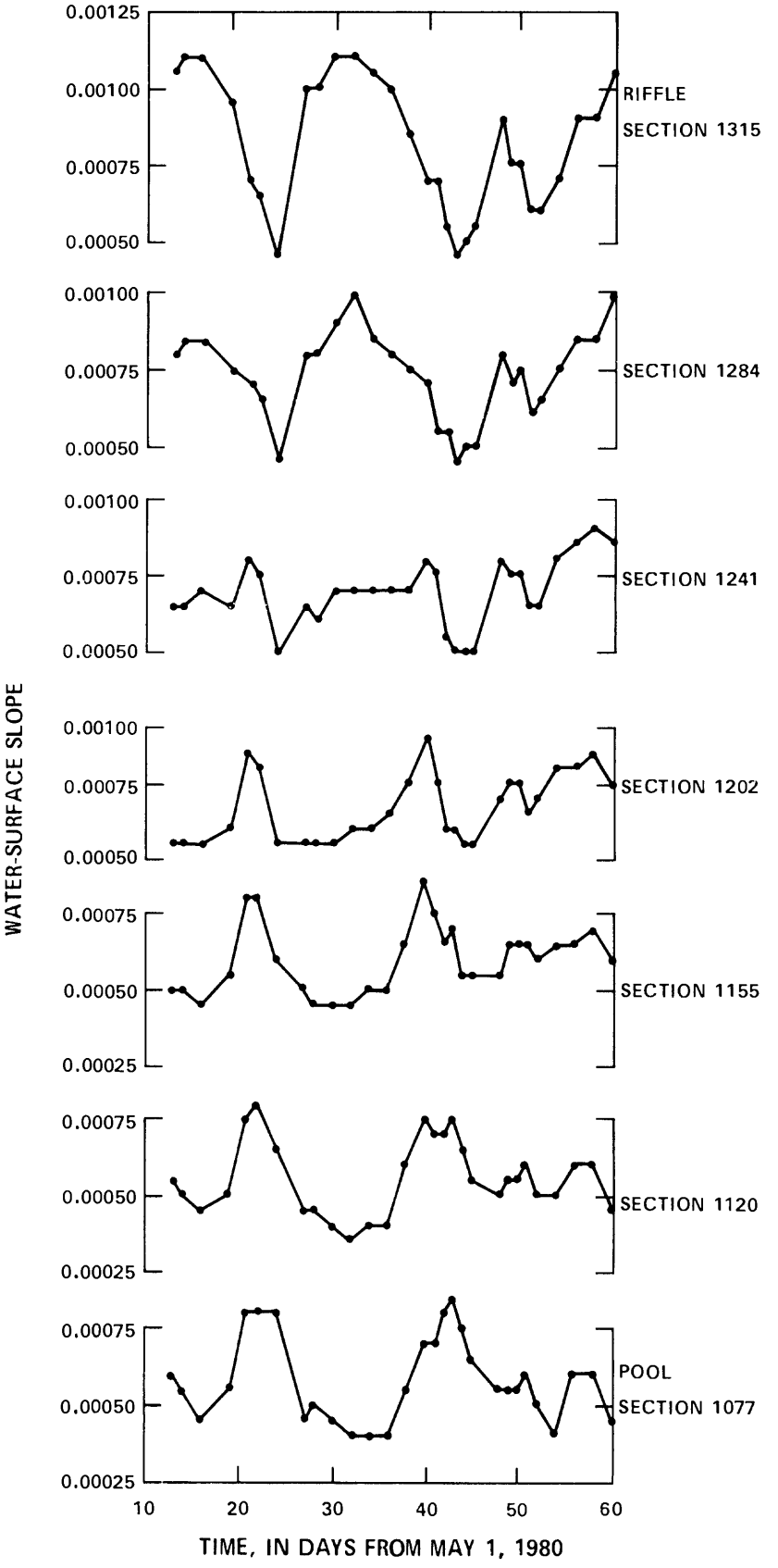

Figure 7. Relations of selected river-hydraulic and sediment-transport characteristics as functions of time for seven river cross sections extending from a riffle to a pool, May-June 1980, East Fork River, Wyoming. A. Water-surface slope.

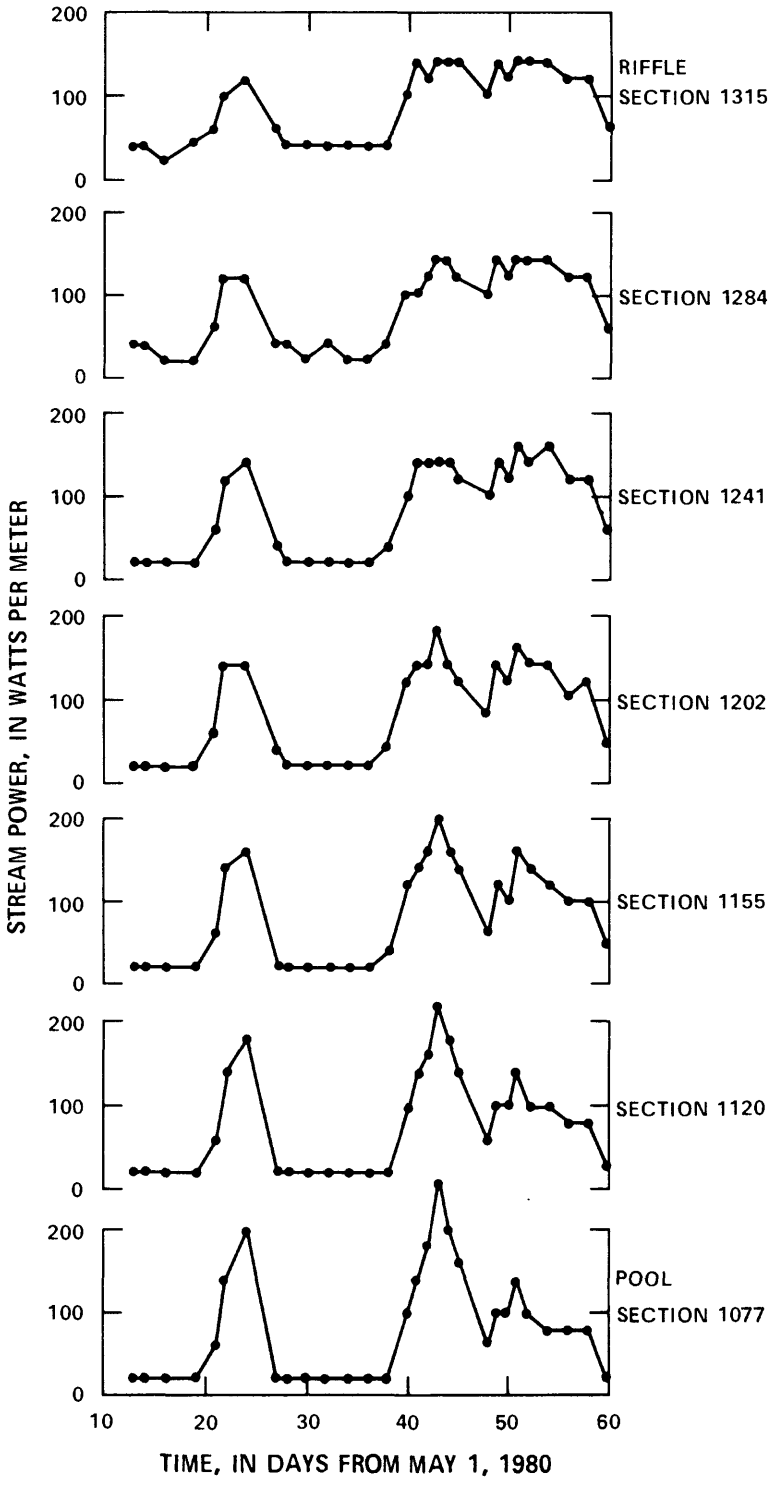

Figure 7. Relations of selected river-hydraulic and sediment-transport characteristics as functions of time for seven river cross sections extending from a riffle to a pool, May-June 1980, East Fork River, Wyoming. B. Stream power.

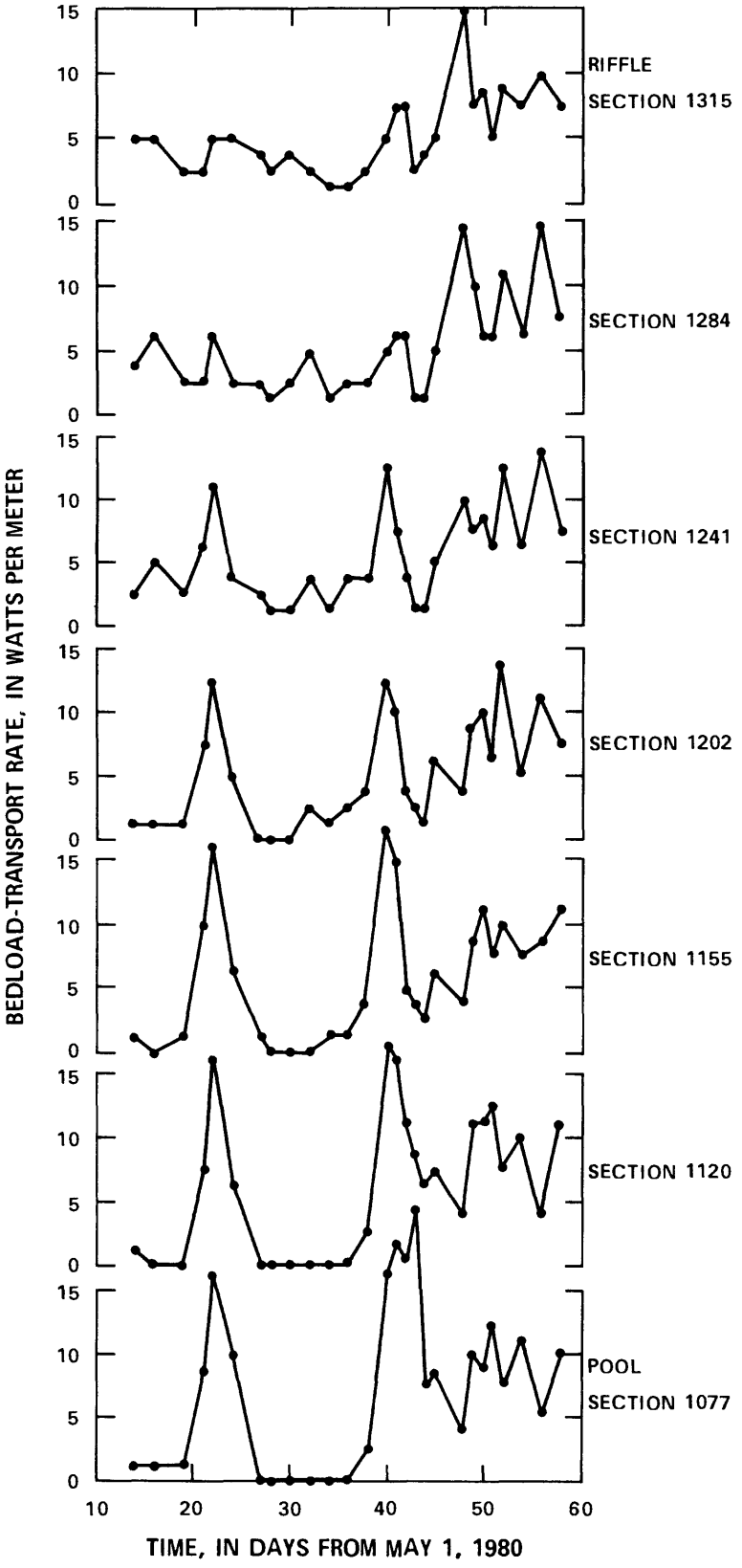

Figure 7. Relations of selected river-hydraulic and sediment-transport characteristics as functions of time for seven river cross sections extending from a riffle to a pool, May-June 1980, East Fork River, Wyoming. C. Bedload-transport rate.

indicates there is an orderly progression from pool to riffle. As previously described, transport in the pool increased from near zero at low flow to a maximum at high flow. Although the riffle responded to high flow, there was a tendency for bedload-transport rate to be more uniform in the riffles regardless of flow magnitude. Mean bed elevations (tables 29-35) are used to illustrate scour and fill in figure 7D. The episodic trend in transport rate was reflected in the pattern of scour and fill, that is, in the temporary storage of bed material. Pools scoured during rising stage, riffles could not accommodate the transport rate and, thus, filled. The opposite pattern of scour and fill occurred during declining stage.

Hydraulic geometry refers to the relation of various hydraulic characteristics as functions of discharge. Some hydraulic-geometry relations are shown in figure 8. Curved or straight-line relations on the graphs show time trends by considering each data point in chronologic sequence. Discharge is the actual time-dependent parameter plotted. Because two stage rises and declines in the hydrograph occurred during the time period considered, those graphs that show a hysteresis loop have data that plot in two traverses around the loop. The line relations shown on the graphs are intended to illustrate trends. They are not statistically-determined best-fit relations, nor is differentiation made between values of the first or second stage rise and decline in the hydrograph.

Pool section 1077 is illustrated in figure 8A; data are from tables 29 and 73. The water-surface elevation or rating curve is a single-line relation. The bed-elevation curve shows scour during rise, fill during decline, and a clockwise hysteresis because of a quick scour and slow fill phasing; the depth curve reflects the bed-elevation curve with an opposite or counterclockwise hysteresis. The flow resistance (u/u_*) curve shows increasing roughness with increasing discharge. Water-surface slope, whether for reach lengths of 5 or 15 equivalent channel widths, shows a significant clockwise hysteresis and increasing slope values with increasing discharge.

The riffle section 1315 (tables 35 and 79) is illustrated in figure 8B and shows many trends that are opposite to those of the pool. There is a slight fill during rising stage, slightly clockwise hysteresis to the depth curve, decrease in roughness with increase in discharge, and pronounced counterclockwise hysteresis in slope with decreasing slope values as discharge increases.

Section 1202 (tables 32 and 76) is located midway between the pool and riffle; data from this section are plotted in figure 8C and demonstrate relations intermediate to those defined for the pool and riffle. There is no hysteresis to any of the relations, but the relations of flow resistance and water-surface slope have largest values at medium low flow. That is, the relations are curvilinear with lesser values at both lower and higher discharge than at a medium discharge.

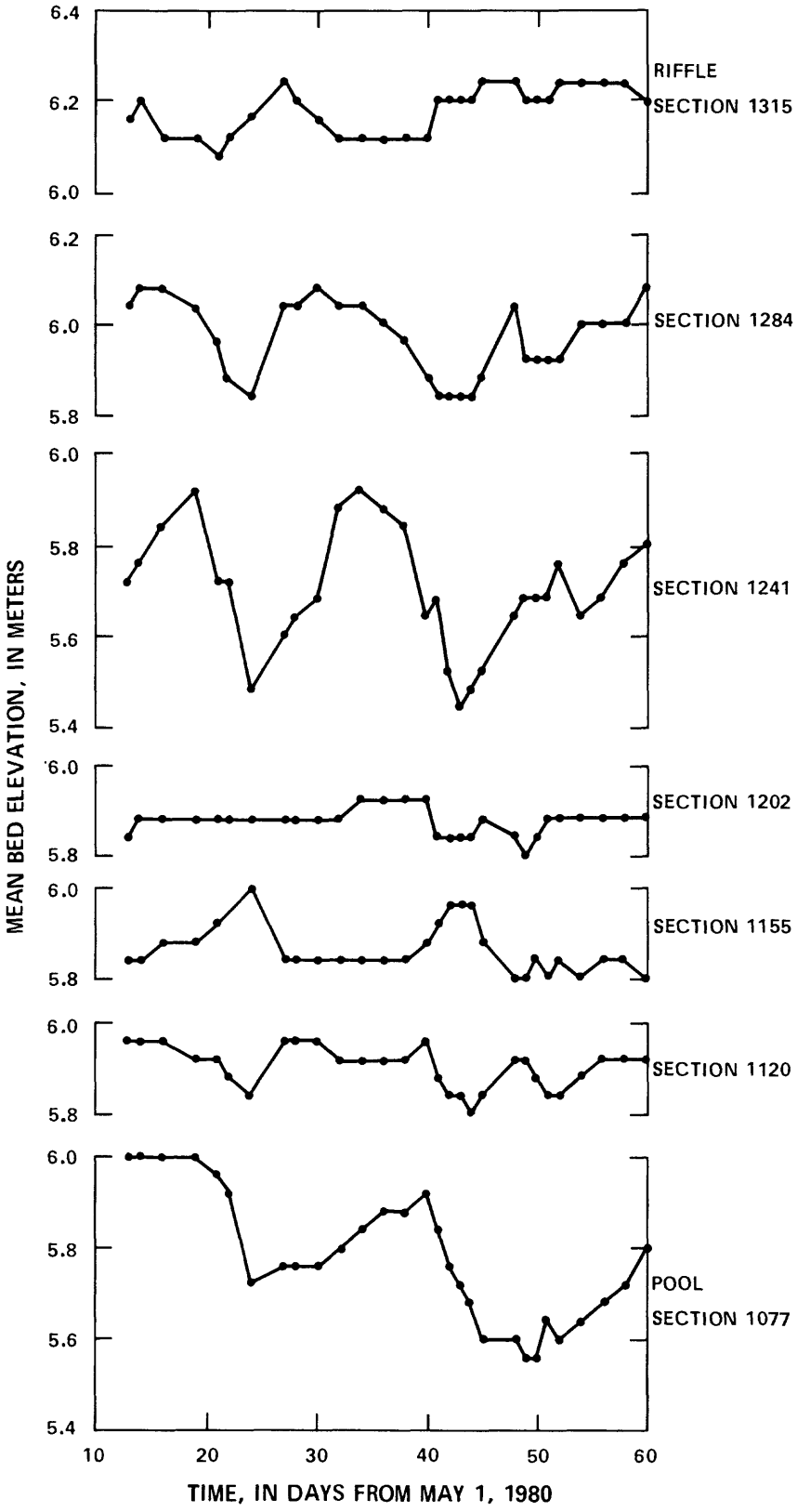

Figure 7. Relations of selected river-hydraulic and sediment-transport characteristics as functions of time for seven river cross sections extending from a riffle to a pool, May-June 1980, East Fork River, Wyoming. D. Mean bed elevation.

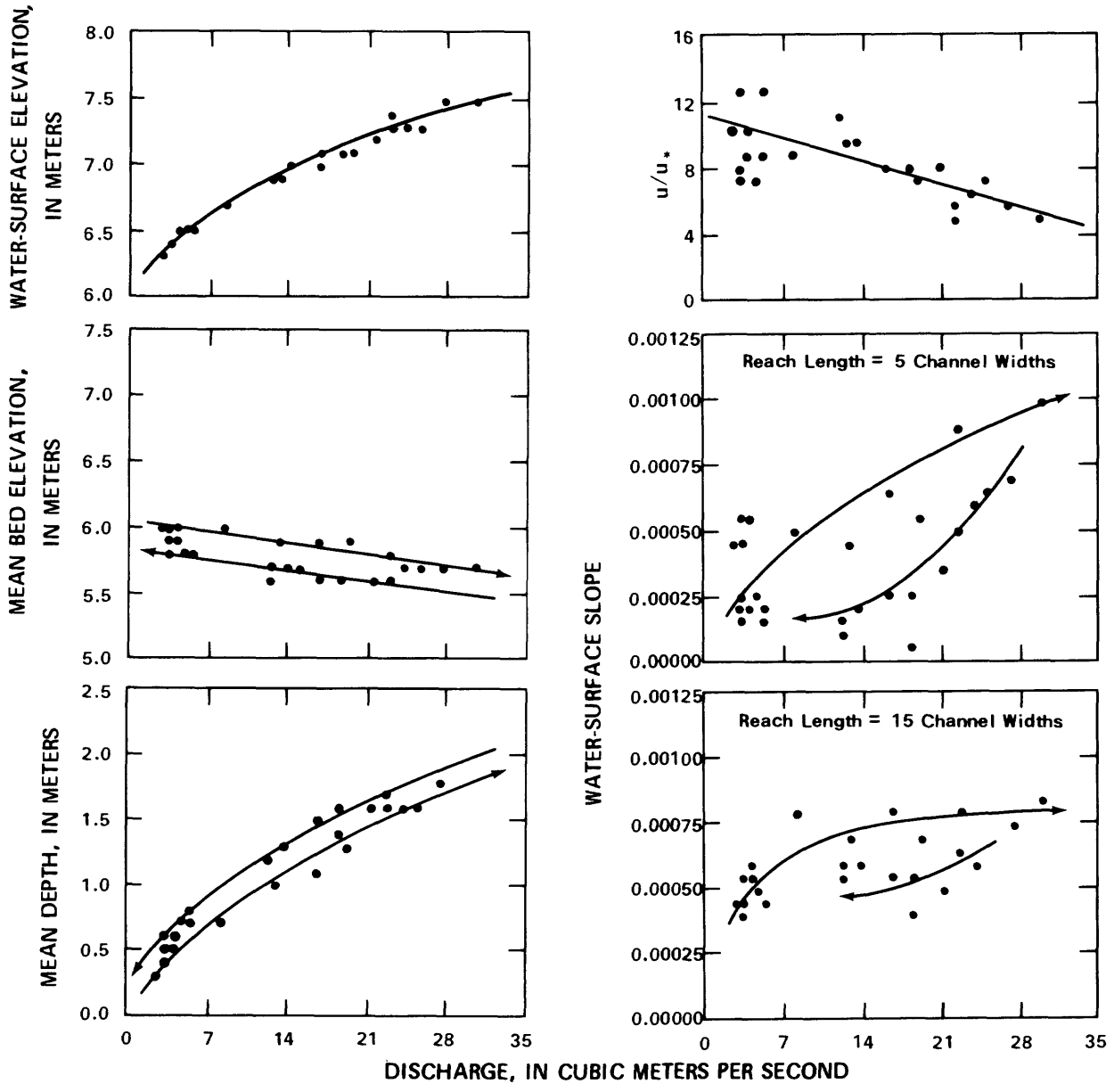

Figure 8A.--Examples of hydraulic-geometry relations for water-surface elevation, mean bed elevation, depth, u/u_*, and water-surface slope, May-June 1980, East Fork River, Wyoming. Pool section 1077.

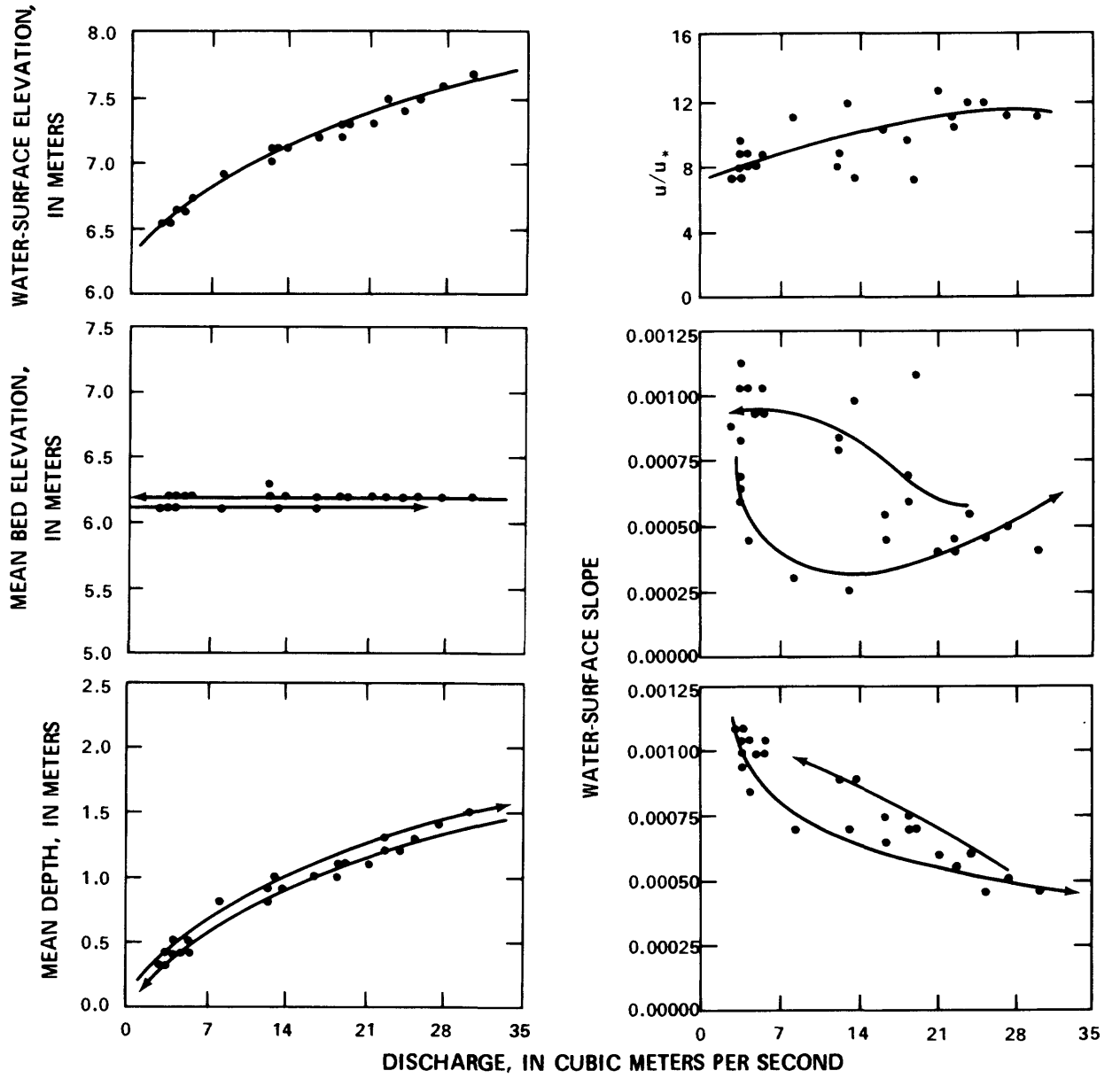

Figure 8B.--Examples of hydraulic-geometry relations for water-surface elevation, mean bed elevation, depth, u/u_*, and water-surface slope, May-June 1980, East Fork River, Wyoming. Riffle section 1315.

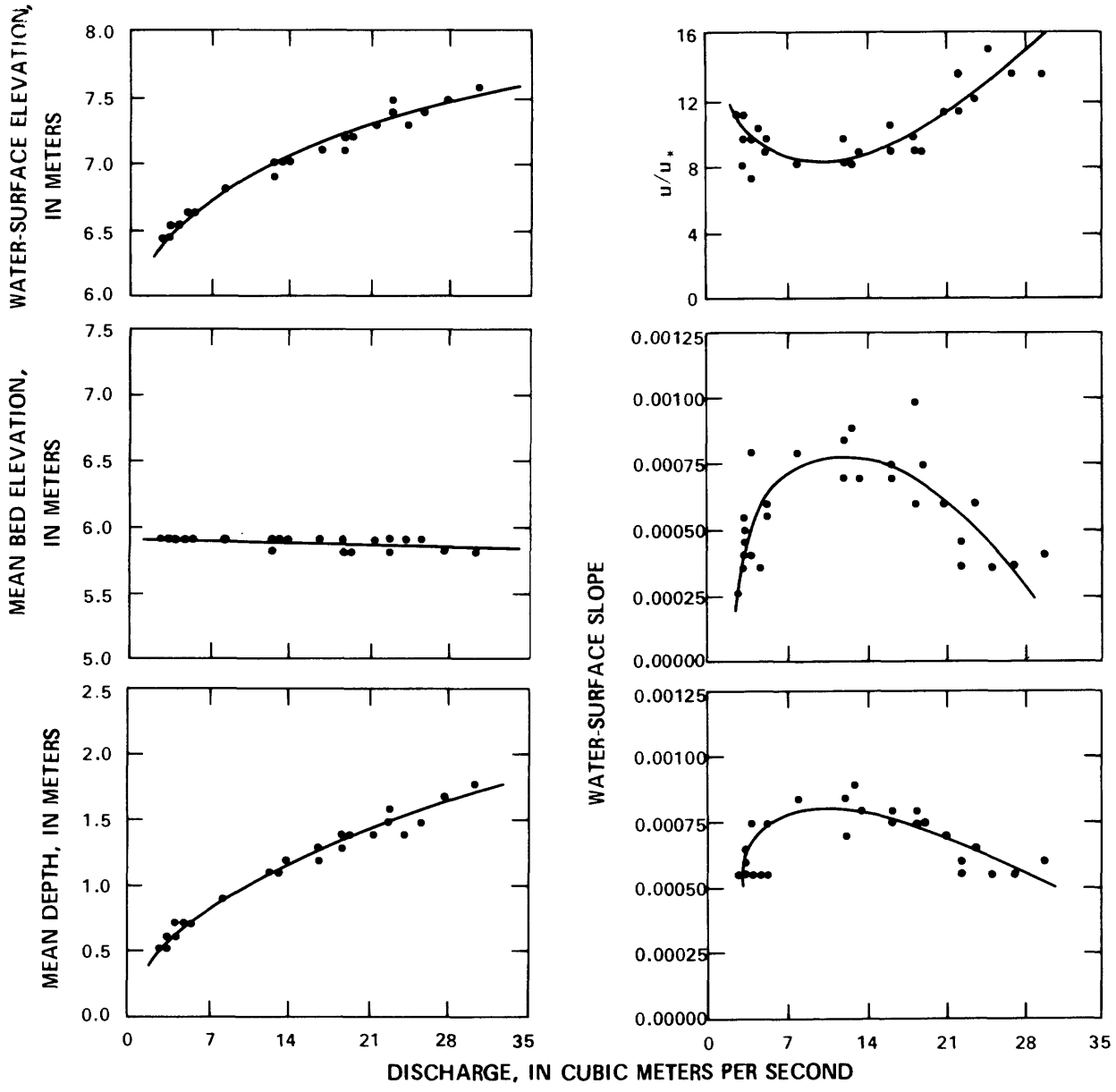

Figure 8C.--Examples of hydraulic-geometry relations for water-surface elevation, mean bed elevation, depth, u/u_*, and water-surface slope, May-June 1980, East Fork River, Wyoming. Intermediate section 1202.

Values of bedload-transport rates, expressed as power dissipation, are shown as functions of discharge and stream power in figure 9. Data are from tables 98-139. Bedload-transport rates are the 3-section average values. Values of stream power for the middle sets of graphs were computed using slope terms determined for reach lengths equivalent to 5 channel widths; in the bottom sets of graphs, slope terms were determined for reach lengths equivalent to 15 channel widths. For all parts of figure 9, left-hand graphs are arithmetic plots of data and right-hand graphs are log-transformed plots. Identical data appear in the left- and right-hand graphs.

Data for pool section 1077 (table 120) are shown in figure 9A. For the pool, the relation of bedload-transport rate to discharge has a clockwise hysteresis reflecting the input of scour during rising stage and fill during declining stage. However, because the relation of water-surface slope to discharge also has a clockwise hysteresis (fig. 8A), the relation of bedload-transport rate to stream power becomes a straight line. Scatter that remains on plotting positions of data is random; no trends with rising or falling hydrograph are apparent. The relation is quite steep, reflecting near-zero transport at low flow and high transport at high flow.

The same graphs for riffle section 1315 (table 126) are shown in figure 9B. The relation of bedload-transport rate to discharge is now counterclockwise in a unique way. That is, maximum transport generally occurs at a medium discharge rather than at maximum discharge. A similar trend appears in the relation of water-surface slope to discharge (fig. 8B). With both slope and transport relations being similar, there is again a straight-line relation of bedload-transport rate to stream power. However, the relation for the riffle is much flatter than for the pool and indicates more uniformity in transport rate through the riffle than through the pool.

The same graphs are shown in figure 9C for section 1202 (table 123), intermediate between the pool and the riffle sections. The hysteresis has disappeared from the bedload-transport rate to discharge relation, but its similarity with the slope to discharge relation (fig. 8C) provides for the straight-line relations of bedload-transport rate to stream power. The steepness of these latter relations is between that of the pool and riffle.

The field data on bedload have provided new insight to understanding the transport process and they show the importance of water-surface slope, or energy gradient, on transport rate. Many rivers have locally variable slope, both along the river and with change in stage. For such rivers, unique relations of bedload-transport rate to stream energy may exist for each section. Bedload-sampling procedures which integrate these unique relations, that is, a sampling procedure that traverses a reach of river, may provide valid estimates of mean annual sediment loads, but do not provide a valid sediment rating for any given section. The data further show that inadequacies in traditional thinking need be overcome before successful modelling of the flow of water and sediment in alluvial channels can be accomplished.

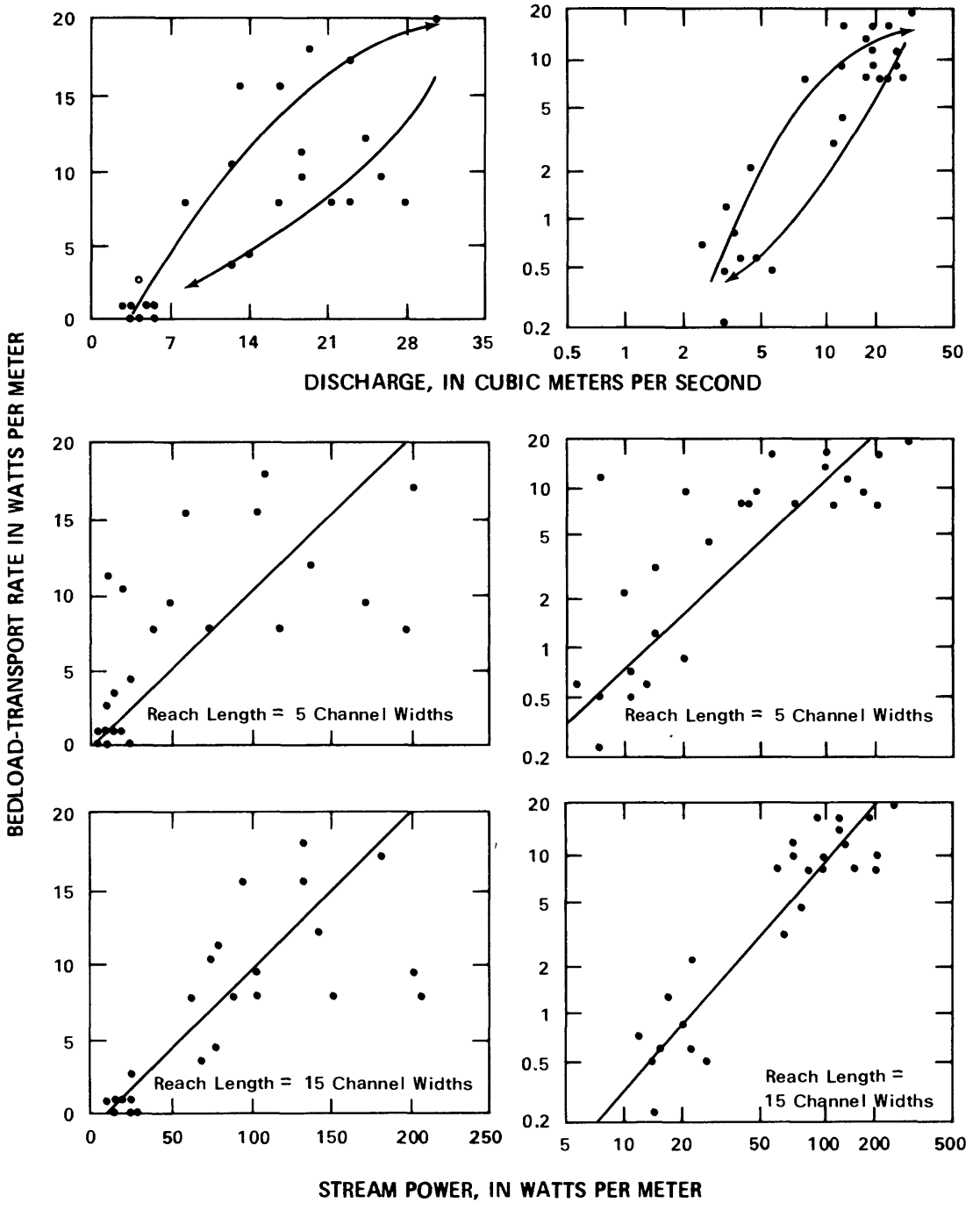

Figure 9A.--Examples of bedload-transport rate as functions of discharge and stream power, May-June 1980, East Fork River, Wyoming. Pool section 1077.

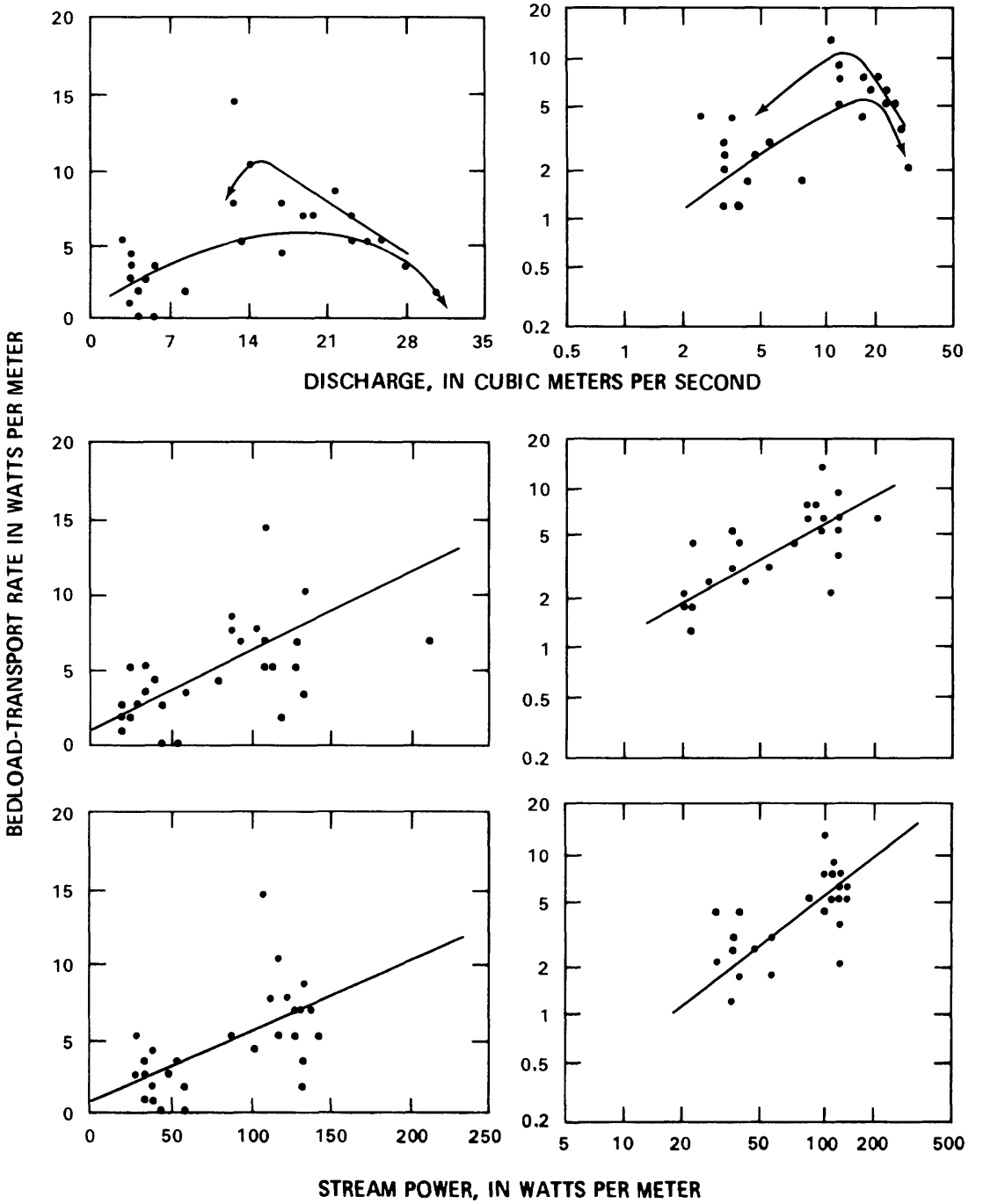

Figure 9B.--Examples of bedload-transport rate as functions of discharge and stream power, May-June 1980, East Fork River, Wyoming. Riffle section 1315.

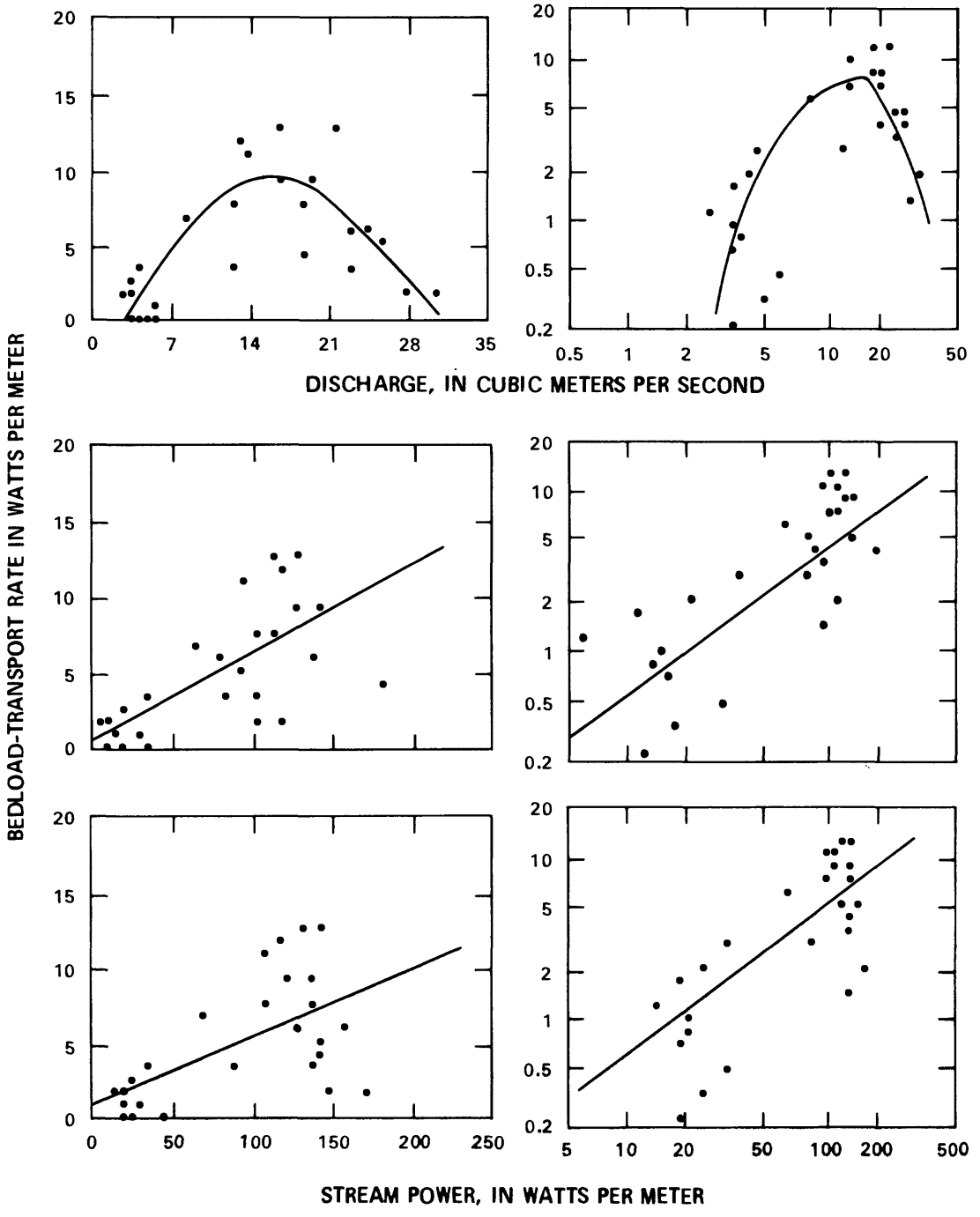

Figure 9C.--Examples of bedload-transport rate as functions of discharge and stream power, May-June 1980, East Fork River, Wyoming. Intermediate section 1202.

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TABLES

TABLE 1.- HOURLY GAGE HEIGHT, IN METERS(1), AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
5- 7	5.795	5.805	5.820	5.820	5.825	5.825	5.825	5.820	5.820	5.815	5.810	5.805
	5.795	5.780	5.775	5.775	5.780	5.780	5.785	5.790	5.790	5.795	5.800	5.805
5- 8	5.815	5.820	5.825	5.830	5.835	5.835	5.840	5.840	5.840	5.840	5.840	5.845
	5.845	5.850	5.855	5.855	5.855	5.855	5.860	5.870	5.880	5.890	5.905	5.915
5- 9	5.925	5.930	5.935	5.945	5.945	5.945	5.940	5.935	5.925	5.925	5.920	5.920
	5.915	5.910	5.905	5.900	5.895	5.890	5.885	5.885	5.880	5.870	5.860	5.850
5-10	5.845	5.845	5.845	5.845	5.845	5.840	5.835	5.830	5.825	5.820	5.810	5.805
	5.795	5.785	5.775	5.770	5.770	5.765	5.765	5.765	5.775	5.780	5.785	5.790
5-11	5.790	5.790	5.785	5.775	5.765	5.755	5.745	5.735	5.725	5.720	5.715	5.710
	5.705	5.700	5.695	5.690	5.690	5.685	5.690	5.685	5.680	5.680	5.685	5.690
5-12	5.700	5.710	5.710	5.710	5.705	5.705	5.700	5.690	5.680	5.670	5.665	5.660
	5.655	5.650	5.645	5.640	5.640	5.640	5.640	5.640	5.640	5.640	5.640	5.640
5-13	5.640	5.635	5.635	5.630	5.625	5.620	5.615	5.610	5.605	5.595	5.585	5.580
	5.575	5.570	5.565	5.565	5.565	5.565	5.565	5.565	5.565	5.565	5.570	5.570
5-14	5.575	5.575	5.580	5.580	5.580	5.575	5.570	5.570	5.565	5.555	5.550	5.535
	5.525	5.515	5.510	5.505	5.510	5.510	5.495	5.485	5.490	5.490	5.490	5.490
5-15	5.485	5.485	5.480	5.480	5.475	5.475	5.475	5.470	5.465	5.460	5.450	5.445
	5.440	5.435	5.430	5.425	5.430	5.430	5.435	5.430	5.435	5.440	5.435	5.430
5-16	5.430	5.430	5.430	5.430	5.435	5.435	5.435	5.440	5.435	5.435	5.430	5.430
	5.425	5.425	5.420	5.420	5.415	5.425	5.430	5.440	5.440	5.440	5.445	5.460
5-17	5.470	5.485	5.495	5.500	5.505	5.500	5.500	5.495	5.495	5.490	5.490	5.485
	5.480	5.475	5.475	5.475	5.475	5.480	5.480	5.485	5.485	5.495	5.505	5.510
5-18	5.510	5.515	5.515	5.520	5.525	5.525	5.525	5.520	5.520	5.515	5.510	5.510
	5.505	5.500	5.495	5.475	5.465	5.455	5.455	5.460	5.470	5.470	5.470	5.470
5-19	5.475	5.480	5.485	5.495	5.495	5.500	5.505	5.505	5.505	5.500	5.500	5.490
	5.485	5.475	5.475	5.465	5.460	5.455	5.455	5.460	5.460	5.460	5.460	5.465
5-20	5.465	5.475	5.485	5.500	5.515	5.525	5.535	5.545	5.550	5.550	5.545	5.550
	5.545	5.540	5.540	5.535	5.530	5.530	5.535	5.535	5.540	5.550	5.555	5.580
5-21	5.620	5.660	5.705	5.745	5.780	5.800	5.815	5.820	5.820	5.820	5.815	5.810
	5.805	5.795	5.790	5.785	5.775	5.770	5.770	5.780	5.795	5.820	5.850	5.895
5-22	5.940	5.980	6.025	6.050	6.080	6.105	6.130	6.145	6.155	6.165	6.170	6.165
	6.165	6.155	6.140	6.125	6.110	6.105	6.100	6.105	6.115	6.135	6.150	6.170
5-23	6.190	6.210	6.235	6.260	6.290	6.315	6.345	6.370	6.395	6.420	6.440	6.455
	6.475	6.485	6.495	6.505	6.510	6.520	6.520	6.515	6.515	6.510	6.500	6.495
5-24	6.490	6.495	6.495	6.495	6.495	6.495	6.500	6.500	6.500	6.500	6.495	6.490
	6.485	6.475	6.460	6.445	6.430	6.410	6.390	6.370	6.355	6.340	6.325	6.310
5-25	6.295	6.280	6.270	6.260	6.250	6.230	6.215	6.195	6.180	6.160	6.145	6.130
	6.115	6.100	6.075	6.055	6.030	6.010	5.990	5.975	5.960	5.955	5.945	5.940
5-26	5.935	5.930	5.920	5.915	5.905	5.900	5.895	5.885	5.875	5.865	5.855	5.850
	5.840	5.835	5.825	5.820	5.815	5.805	5.800	5.795	5.775	5.765	5.765	5.765
5-27	5.765	5.760	5.760	5.750	5.745	5.740	5.730	5.720	5.710	5.700	5.690	5.680
	5.665	5.655	5.645	5.635	5.645	5.675	5.680	5.675	5.670	5.665	5.665	5.660
5-28	5.660	5.665	5.665	5.665	5.665	5.660	5.655	5.650	5.645	5.640	5.635	5.625
	5.620	5.600	5.585	5.580	5.575	5.575	5.570	5.565	5.565	5.565	5.560	5.565
5-29	5.570	5.570	5.575	5.580	5.580	5.575	5.575	5.575	5.570	5.570	5.565	5.565
	5.555	5.550	5.545	5.540	5.540	5.535	5.535	5.535	5.530	5.530	5.525	5.520
5-30	5.515	5.515	5.515	5.515	5.515	5.510	5.510	5.505	5.500	5.500	5.495	5.490
	5.480	5.475	5.470	5.475	5.470	5.465	5.460	5.475	5.485	5.495	5.490	5.485
5-31	5.485	5.485	5.485	5.490	5.495	5.495	5.500	5.500	5.500	5.500	5.500	5.495
	5.495	5.490	5.480	5.475	5.475	5.475	5.480	5.485	5.495	5.500	5.495	5.495
6- 1	5.490	5.490	5.490	5.490	5.490	5.490	5.490	5.485	5.480	5.475	5.475	5.475
	5.470	5.470	5.465	5.465	5.465	5.465	5.465	5.470	5.470	5.475	5.475	5.475
6- 2	5.475	5.470	5.470	5.475	5.475	5.480	5.485	5.485	5.490	5.495	5.490	5.485
	5.485	5.480	5.480	5.480	5.480	5.475	5.480	5.480	5.480	5.485	5.485	5.490
6- 3	5.495	5.495	5.500	5.500	5.500	5.500	5.495	5.495	5.495	5.490	5.490	5.485
	5.485	5.480	5.480	5.480	5.475	5.475	5.470	5.470	5.465	5.460	5.460	5.455

TABLE 1.- HOURLY GAGE HEIGHT, IN METERS(1), AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
6- 4	5.455 5.465	5.455 5.465	5.455 5.460	5.455 5.460	5.460 5.460	5.460 5.455	5.465 5.450	5.465 5.450	5.470 5.445	5.465 5.440	5.465 5.440	5.465 5.440
6- 5	5.445 5.515	5.455 5.515	5.460 5.515	5.470 5.515	5.475 5.510	5.485 5.510	5.495 5.510	5.500 5.515	5.505 5.515	5.510 5.515	5.510 5.520	5.515 5.525
6- 6	5.535 5.590	5.550 5.590	5.555 5.585	5.565 5.585	5.570 5.585	5.580 5.590	5.585 5.585	5.585 5.580	5.590 5.580	5.595 5.580	5.595 5.585	5.595 5.585
6- 7	5.590 5.585	5.595 5.575	5.600 5.570	5.610 5.565	5.615 5.565	5.615 5.570	5.620 5.590	5.620 5.605	5.615 5.600	5.610 5.600	5.600 5.595	5.595 5.600
6- 8	5.615 5.725	5.635 5.725	5.660* 5.720	5.680* 5.715	5.695* 5.710	5.705* 5.710	5.715* 5.720	5.720* 5.720	5.720 5.720	5.720 5.725	5.725 5.735	5.725 5.760
6- 9	5.790 6.040	5.830 6.045	5.870 6.045	5.915 6.045	5.945 6.040	5.960 6.035	5.975 6.030	5.995 6.020	6.010 6.015	6.020 6.010	6.030 6.015	6.035 6.020
6-10	6.035 6.270	6.045 6.280	6.070 6.285	6.090 6.290	6.110 6.285	6.135 6.280	6.155 6.275	6.175 6.265	6.195 6.255	6.220 6.245	6.240 6.240	6.260 6.235
6-11	6.235 6.480	6.240 6.495	6.250 6.505	6.265 6.515	6.290 6.510	6.315 6.500	6.340 6.480	6.370 6.460	6.395 6.445	6.420 6.430	6.445 6.415	6.470 6.400
6-12	6.385 6.635	6.375 6.640	6.375 6.640	6.385 6.635	6.420 6.630	6.450 6.620	6.480 6.610	6.510 6.600	6.540 6.585	6.590 6.570	6.615 6.555	6.630 6.535
6-13	6.520 6.575	6.500 6.570	6.490 6.565	6.485 6.560	6.485 6.545	6.485 6.525	6.495 6.505	6.505 6.485	6.530 6.465	6.545 6.445	6.560 6.420	6.570 6.400
6-14	6.380 6.465	6.360 6.470	6.350 6.465	6.350 6.460	6.360 6.450	6.365 6.440	6.385 6.420	6.400 6.400	6.415 6.370	6.430 6.345	6.445 6.325	6.460 6.300
6-15	6.280 6.315	6.270 6.305	6.265 6.290	6.260 6.275	6.265 6.265	6.275 6.250	6.280 6.230	6.285 6.210	6.295 6.190	6.305 6.165	6.315 6.145	6.315 6.125
6-16	6.105 5.930	6.090 5.910	6.070 5.890	6.060 5.875	6.045 5.870	6.030 5.860	6.015 5.850	6.000 5.840	5.985 5.835	5.975 5.830	5.960 5.825	5.945 5.825
6-17	5.830 5.985	5.845 5.985	5.865 5.980	5.885 5.975	5.900 5.970	5.920 5.960	5.935 5.955	5.945 5.945	5.955 5.940	5.970 5.935	5.975 5.930	5.980 5.930
6-18	5.940 6.240	5.955 6.260	5.980 6.275	6.000 6.285	6.030 6.290	6.060 6.290	6.090 6.280	6.115 6.270	6.145 6.250	6.170 6.230	6.195 6.205	6.220 6.175
6-19	6.155 6.190	6.140 6.190	6.125 6.180	6.125 6.170	6.135 6.155	6.145 6.135	6.155 6.120	6.165 6.100	6.170 6.090	6.180 6.080	6.185 6.070	6.190 6.070
6-20	6.070 6.420	6.085 6.445	6.100 6.460	6.125 6.475	6.150 6.480	6.180 6.475	6.210 6.460	6.240 6.440	6.275 6.415	6.315 6.380	6.355 6.345	6.390 6.305
6-21	6.265 6.345	6.245 6.350	6.225 6.350	6.220 6.345	6.225 6.335	6.235 6.315	6.240 6.290	6.260 6.260	6.275 6.235	6.295 6.200	6.315 6.170	6.330 6.140
6-22	6.120 6.225	6.110 6.225	6.110 6.220	6.110 6.205	6.120 6.190	6.135 6.160	6.150 6.135	6.165 6.110	6.180 6.085	6.195 6.060	6.205 6.030	6.220 6.015
6-23	6.010 6.230	6.010 6.240	6.015 6.250	6.030 6.250	6.045 6.245	6.075 6.225	6.100 6.205	6.130 6.170	6.155 6.130	6.175 6.090	6.195 6.055	6.210 6.025
6-24	6.010 6.150	6.000 6.155	6.000 6.150	6.010 6.135	6.025 6.115	6.040 6.085	6.060 6.055	6.080 6.030	6.100 6.000	6.115 5.970	6.135 5.950	6.145 5.935
6-25	5.920 6.105	5.915 6.105	5.920 6.100	5.935 6.085	5.955 6.070	5.980 6.045	6.000 6.020	6.025 5.995	6.045 5.970	6.065 5.945	6.080 5.920	6.095 5.895
6-26	5.885 6.075	5.875 6.080	5.875 6.070	5.890 6.065	5.915 6.040	5.945 6.015	5.970 5.985	5.995 5.960	6.015 5.935	6.040 5.910	6.055 5.885	6.070 5.870
6-27	5.855 6.045	5.850 6.045	5.850 6.040	5.860 6.025	5.885 6.005	5.910 5.980	5.940 5.950	5.970 5.925	5.990 5.895	6.015 5.880	6.030 5.860	6.040 5.840
6-28	5.820 5.785	5.805 5.790	5.790 5.775	5.780 5.740	5.775 5.725	5.775 5.705	5.780 5.695	5.780 5.680	5.780 5.670	5.780 5.665	5.775 5.655	5.770 5.645
6-29	5.635 5.670	5.625 5.660	5.625 5.655	5.620 5.645	5.625 5.640	5.635 5.630	5.645 5.625	5.655 5.615	5.665 5.610	5.670 5.600	5.680 5.595	5.675 5.590
6-30	5.585 5.735	5.580 5.735	5.570 5.735	5.585 5.735	5.595 5.725	5.620 5.720	5.645 5.710	5.665 5.710	5.690 5.710	5.705 5.705	5.720 5.705	5.725 5.705
7- 1	5.710 6.010	5.725 6.015	5.750 6.020	5.775 6.025	5.805 6.025	5.845 6.015	5.880 6.005	5.910 5.985	5.935 5.970	5.955 5.950	5.975 5.930	5.995 5.925

TABLE 1.- HOURLY GAGE HEIGHT, IN METERS(1), AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
7- 2	5.920 6.010	5.910 6.015	5.905 6.015	5.895 6.010	5.895 5.995	5.905 5.975	5.920 5.960	5.940 5.940	5.955 5.920	5.975 5.900	5.990 5.885	6.010 5.870
7- 3	5.850 5.915	5.845 5.920	5.840 5.915	5.840 5.910	5.845 5.910	5.855 5.915	5.865 5.920	5.875 5.925	5.885 5.935	5.895 5.940	5.905 5.945	5.915 5.945
7- 4	5.950 5.990	5.950 5.975	5.955 5.955	5.960 5.940	5.970 5.925	5.980 5.905	5.990 5.890	5.995 5.870	6.000 5.850	6.005 5.835	6.000 5.820	6.000 5.810
7- 5	5.795 5.745	5.785 5.740	5.775 5.735	5.765 5.725	5.760 5.715	5.750 5.705	5.750 5.695	5.750 5.685	5.750 5.670	5.750 5.660	5.750 5.650	5.745 5.645
7- 6	5.635 5.660	5.630 5.655	5.625 5.655	5.620 5.645	5.620 5.640	5.630 5.630	5.635 5.620	5.645 5.610	5.650 5.600	5.655 5.595	5.660 5.585	5.665 5.575
7- 7	5.565 5.570	5.560 5.565	5.550 5.560	5.545 5.555	5.540 5.550	5.535 5.535	5.540 5.525	5.545 5.515	5.550 5.510	5.560 5.510	5.565 5.505	5.570 5.500
7- 8	5.495 5.475	5.495 5.470	5.490 5.460	5.485 5.460	5.485 5.465	5.485 5.465	5.480 5.470	5.480 5.470	5.475 5.465	5.475 5.465	5.475 5.465	5.475 5.465
7- 9	5.465 5.485	5.465 5.480	5.460 5.475	5.460 5.475	5.460 5.465	5.460 5.465	5.465 5.460	5.465 5.455	5.475 5.440	5.480 5.435	5.480 5.430	5.485 5.430
7-10	5.425 5.435	5.420 5.430*	5.420 5.425*	5.415 5.420*	5.415 5.415	5.415 5.410	5.415 5.405	5.415 5.400	5.420 5.395	5.425 5.390	5.430 5.385	5.435 5.385
7-11	5.385 5.405	5.385 5.405	5.380 5.405	5.375 5.405	5.375 5.400	5.370 5.395	5.370 5.395	5.375 5.390	5.380 5.385	5.385 5.385	5.395 5.380	5.400 5.375
7-12	5.375 5.355	5.370 5.360	5.370 5.360	5.365 5.360	5.365 5.360	5.360 5.360	5.360 5.360	5.355 5.360	5.355 5.355	5.350 5.355	5.355 5.350	5.355 5.350
7-13	5.350 5.335	5.345 5.335	5.345 5.335	5.345 5.330	5.345 5.330	5.340 5.330	5.340 5.330	5.340 5.330	5.340 5.330	5.340 5.325	5.335 5.325	5.335 5.325
7-14	5.325 5.315	5.325 5.315	5.325 5.315	5.325 5.315	5.325 5.315	5.325 5.315	5.320 5.315	5.320 5.315	5.320 5.315	5.320 5.315	5.320 5.315	5.320 5.320
7-15	5.340 5.340	5.345 5.340	5.345 5.340	5.345 5.335	5.345 5.335	5.345 5.330	5.345 5.330	5.345 5.330	5.345 5.330	5.340 5.325	5.340 5.325	5.340 5.325
7-16	5.325 5.300	5.325 5.300	5.320 5.305	5.320 5.305	5.315 5.305	5.315 5.305	5.310 5.305	5.305 5.305	5.305 5.305	5.300 5.305	5.300 5.300	5.300 5.300
7-17	5.300 5.295	5.300 5.295	5.300 5.295	5.300 5.295	5.300 5.295	5.300 5.300	5.300 5.300	5.300 5.305	5.295 5.305	5.295 5.305	5.295 5.310	5.295 5.310
7-18	5.310 5.320	5.315 5.315	5.315* 5.315	5.315* 5.315	5.315* 5.315	5.315* 5.315	5.315* 5.310	5.320* 5.310	5.320 5.310	5.320 5.310	5.320 5.315	5.320 5.315
7-19	5.315 5.305	5.320 5.305	5.320 5.305	5.320 5.305	5.320 5.300	5.320 5.300	5.315 5.300	5.315 5.295	5.315 5.295	5.310 5.295	5.310 5.295	5.305 5.300
7-20	5.300 5.310	5.300 5.310	5.300 5.305	5.300 5.305	5.305 5.305	5.305 5.305	5.305 5.300	5.305 5.320	5.305 5.335	5.310 5.340	5.310 5.340	5.310 5.340
7-21	5.345 5.350	5.345 5.345	5.345 5.345	5.350 5.345	5.350 5.345	5.350 5.345	5.350 5.345	5.350 5.340	5.350 5.340	5.350 5.340	5.350 5.340	5.350 5.340
7-22	5.340 5.335	5.340 5.335	5.340 5.330	5.340 5.330	5.340 5.330	5.340 5.315	5.340 5.305	5.340 5.300	5.340 5.300	5.340 5.300	5.340 5.300	5.335 5.300
7-23	5.300 5.310	5.300 5.310	5.300 5.310	5.300 5.305	5.305 5.305	5.305 5.305	5.305 5.305	5.310 5.300	5.310 5.300	5.310 5.300	5.310 5.300	5.315 5.300
7-24	5.300 5.280	5.295 5.280	5.290 5.280	5.290 5.275	5.285 5.275	5.280 5.275	5.280 5.275	5.280 5.275	5.280 5.275	5.280 5.275	5.280 5.275	5.280 5.275
7-25	5.275 5.300	5.275 5.300	5.275 5.295	5.275 5.295	5.275 5.290	5.275 5.285	5.275 5.285	5.280 5.280	5.280 5.280	5.280 5.275	5.280 5.275	5.300 5.275
7-26	5.275 5.275	5.275 5.275	5.275 5.275	5.275 5.275	5.275 5.270	5.275 5.270	5.275 5.265	5.275 5.265	5.275 5.265	5.275 5.265	5.275 5.260	5.275 5.260
7-27	5.265 5.290	5.275 5.285	5.275 5.280	5.275 5.275	5.280 5.275	5.280 5.275	5.280 5.275	5.285 5.270	5.290 5.265	5.290 5.265	5.290 5.265	5.290 5.265
7-28	5.265 5.270	5.265 5.270	5.265 5.270	5.265 5.265	5.265 5.265	5.265 5.265	5.270 5.265	5.270 5.260	5.270 5.260	5.270 5.260	5.270 5.260	5.275 5.260
7-29	5.260 5.260	5.260 5.260	5.260 5.255	5.260 5.255	5.260 5.250	5.260 5.250	5.260 5.255	5.260 5.250	5.260 5.250	5.260 5.250	5.260 5.250	5.260 5.250

TABLE 1.- HOURLY GAGE HEIGHT, IN METERS(1), AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980—CONTINUED

DATE	TIME IN HOURS 1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
7-30	5.250	5.250	5.250	5.250	5.250	5.255	5.260	5.260	5.260	5.265	5.265	5.265
	5.265	5.265	5.260	5.260	5.260	5.260	5.260	5.260	5.255	5.255	5.255	5.255
7-31	5.255	5.255	5.255	5.255	5.255	5.260	5.260	5.260	5.260	5.260	5.260	5.260
	5.260	5.260	5.260	5.260	5.260	5.260	5.255	5.255	5.255	5.255	5.255	5.250
8- 1	5.250	5.250	5.250	5.250	5.250	5.250	5.255	5.255	5.255	5.255	5.255	5.260
	5.255	5.255	5.255	5.255	5.255	5.255	5.255	5.250	5.250	5.250	5.250	5.250
8- 2	5.250	5.250	5.250	5.250	5.250	5.250	5.250	5.250	5.250	5.250	5.250	5.250
	5.250	5.250	5.245	5.245	5.245	5.245	5.245	5.245	5.245	5.240	5.240	5.240
8- 3	5.240	5.240	5.240	5.240	5.240	5.240	5.235	5.235	5.235	5.240	5.245	5.250
	5.250	5.250	5.250	5.245	5.245	5.245	5.245	5.245	5.245	5.240	5.240	5.240
8- 4	5.240	5.240	5.240	5.240	5.240	5.240	5.240	5.235	5.235	5.235	5.235	5.235
	5.235	5.235	5.235	5.235	5.235	5.235	5.235	5.235	5.235	5.235	5.230	5.230
8- 5	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.230
	5.235	5.235	5.235	5.235	5.235	5.230	5.230	5.230	5.230	5.230	5.230	5.230
8- 6	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.225	5.230	5.230	5.230
	5.230	5.230	5.230	5.230	5.225	5.225	5.225	5.225	5.220	5.220	5.225	5.225
8- 7	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225
	5.225	5.225	5.225	5.225	5.225	5.225	5.220	5.220	5.220	5.220	5.220	5.220
8- 8	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.225
	5.225	5.225	5.225	5.225	5.225	5.225	5.220	5.220	5.220	5.220	5.220	5.220
8- 9	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220	5.220
	5.220	5.220	5.220	5.220	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215
8-10	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215
	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.210
8-11	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.215	5.215	5.215
	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.210	5.210	5.210	5.210
8-12	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.215	5.215	5.215
	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.215	5.210	5.210	5.210	5.210
8-13	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210
	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210
8-14	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210
	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.210	5.205	5.205
8-15	5.205	5.205	5.205	5.205	5.205	5.210	5.210	5.210	5.210	5.210	5.210	5.210
	5.210	5.210	5.210	5.210	5.210	5.210	5.215	5.215	5.215	5.215	5.215	5.215
8-16	5.215	5.215	5.215	5.215	5.215	5.215*	5.220*	5.220*	5.225*	5.225*	5.230*	5.235*
	5.275*	5.290*	5.280*	5.275*	5.260*	5.250*	5.250*	5.250*	5.245*	5.245*	5.240*	5.235*
8-17	5.235*	5.235*	5.235*	5.235*	5.235*	5.235*	5.235*	5.235*	5.235	5.240	5.240	5.240
	5.240	5.240	5.240	5.240	5.240	5.240	5.240	5.235	5.235	5.235	5.230	5.230
8-18	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.235	5.235	5.235	5.235	5.235
	5.235	5.235	5.235	5.235	5.230	5.230	5.230	5.230	5.230	5.230	5.230	5.225
8-19	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225
	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.225	5.220	5.220	5.220

(1) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
* GAGE HEIGHT ESTIMATED.

TABLE 2.- HOURLY GAGE HEIGHT, IN METERS(1), AT SECTION 2505, EAST FORK RIVER, WYOMING, 1980

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
5-16	7.270 7.260	7.270 7.260	7.270 7.255	7.270 7.255	7.270 7.260	7.270 7.270	7.270 7.275	7.270 7.280	7.270 7.285	7.270 7.290	7.265 7.295	7.265 7.300
5-17	7.310 7.340	7.325 7.330	7.330 7.330	7.340 7.330	7.350 7.330	7.355 7.330	7.355 7.335	7.355 7.340	7.355 7.350	7.350 7.355	7.345 7.365	7.345 7.375
5-18	7.380 7.365	7.385 7.360	7.385 7.345	7.390 7.330	7.390 7.315	7.395 7.315	7.395 7.315	7.395 7.315	7.385 7.325	7.380 7.330	7.375 7.330	7.370 7.330
5-19	7.330 7.350	7.335 7.345	7.340 7.335	7.345 7.325	7.355 7.315	7.360 7.315	7.365 7.315	7.365 7.315	7.365 7.315	7.365 7.320	7.360 7.320	7.355 7.325
5-20	7.330 7.410	7.335 7.405	7.340 7.405	7.355 7.405	7.370 7.405	7.380 7.400	7.395 7.400	7.405 7.400	7.410 7.400	7.410 7.405	7.410 7.415	7.410 7.425
5-21	7.510 7.685	7.575 7.675	7.620 7.665	7.650 7.660	7.675* 7.655	7.690* 7.655	7.705* 7.660	7.715 7.670	7.715 7.700	7.710 7.780	7.705 7.830	7.695 7.890
5-22	7.945 8.060	7.980 8.040	8.010 8.030	8.025 8.020	8.045 8.020	8.060 8.020	8.075 8.025	8.075 8.040	8.080 8.065	8.080 8.085	8.080 8.105	8.070 8.130
5-23	8.150 8.315	8.180 8.315	8.195 8.320	8.215 8.320	8.230 8.325	8.245 8.325	8.260 8.330	8.275 8.330	8.285 8.325	8.290 8.325	8.300 8.325	8.305 8.325
5-24	8.320 8.300	8.320 8.300	8.320 8.290	8.320 8.280	8.320 8.270	8.320 8.255	8.320 8.245	8.315 8.235	8.315 8.220	8.315 8.210	8.310 8.200	8.310 8.185
5-25	8.175 7.995	8.165 7.975	8.150 7.950	8.140 7.925	8.130 7.900	8.110 7.885	8.095 7.870	8.080 7.865	8.065 7.855	8.050 7.850	8.035 7.845	8.015 7.840
5-26	7.835 7.725	7.830 7.720	7.820 7.710	7.815 7.705	7.805 7.700	7.795 7.690	7.785 7.675	7.775 7.650	7.765 7.650	7.755 7.650	7.745 7.650	7.735 7.650
5-27	7.650 7.530	7.645 7.505	7.645 7.505	7.635 7.520	7.630 7.550	7.625 7.560	7.615 7.555	7.605 7.550	7.580 7.540	7.570 7.540	7.560 7.540	7.545 7.540
5-28	7.545 7.475	7.545 7.465	7.550 7.460	7.545 7.455	7.540 7.455	7.535 7.450	7.530 7.450	7.525 7.450	7.515 7.450	7.510 7.445	7.500 7.440	7.495 7.440
5-29	7.440 7.415*	7.445 7.415*	7.450 7.410*	7.450 7.410*	7.455 7.410	7.450 7.410	7.450 7.410	7.445* 7.410	7.440* 7.405	7.435* 7.395	7.425* 7.390	7.420* 7.390
5-30	7.385 7.345	7.385 7.335	7.385 7.330	7.385 7.335	7.385 7.335	7.385 7.335	7.385 7.330	7.380 7.340	7.375 7.345	7.370 7.355	7.365 7.355	7.355 7.355
5-31	7.355 7.365	7.355 7.360	7.355 7.355	7.360 7.350	7.360 7.345	7.365 7.345	7.365 7.345	7.370 7.355	7.370 7.360	7.370 7.365	7.370 7.365	7.365 7.365
6- 1	7.365 7.340	7.365 7.340	7.365 7.340	7.365 7.340	7.365 7.340	7.365 7.340	7.365 7.340	7.365 7.340	7.360 7.340	7.355 7.340	7.350 7.345	7.345 7.345
6- 2	7.345 7.355	7.345 7.355	7.345 7.355	7.345 7.355	7.345 7.355	7.350 7.350	7.350 7.350	7.355 7.345	7.355 7.350	7.355 7.350	7.355 7.355	7.355 7.355
6- 3	7.360 7.350	7.360 7.345	7.360 7.345	7.360 7.340	7.365 7.340	7.365 7.335	7.365 7.330	7.365 7.330	7.365 7.325	7.360 7.325	7.355 7.320	7.355 7.320
6- 4	7.315 7.325	7.315 7.325	7.315 7.320	7.315 7.320	7.315 7.315	7.320 7.315	7.325 7.310	7.325 7.310	7.325 7.305	7.325 7.305	7.325 7.300	7.325 7.300
6- 5	7.300 7.370	7.305 7.370	7.310 7.375	7.315 7.375	7.325 7.375	7.330 7.375	7.340 7.375	7.345 7.375	7.350 7.380	7.360 7.380	7.365 7.380	7.365 7.385
6- 6	7.390 7.465	7.400 7.460	7.405 7.460	7.415 7.460	7.425 7.460	7.435 7.460	7.445 7.460	7.450 7.455	7.455 7.455	7.455 7.455	7.460 7.455	7.460 7.455
6- 7	7.460 7.465	7.465 7.455	7.470 7.450	7.475 7.445	7.490 7.440	7.490 7.440	7.490 7.450	7.490 7.465	7.490 7.470	7.485 7.470	7.480 7.470	7.470 7.475
6- 8	7.495 7.615	7.515 7.615	7.540 7.605	7.565 7.595	7.575* 7.595	7.590* 7.600	7.605 7.605	7.610 7.605	7.615 7.615	7.620 7.630	7.620 7.650	7.615 7.685
6- 9	7.735 7.995	7.785 7.990	7.830 7.985	7.860 7.980	7.885 7.975	7.915 7.970	7.940 7.960	7.955 7.955	7.970 7.955	7.980 7.955	7.985 7.965	7.990 7.980
6-10	8.000 8.200	8.020 8.205	8.040 8.205	8.060 8.205	8.080 8.205	8.100 8.200	8.120 8.190	8.140 8.185	8.160 8.180	8.170 8.175	8.185 8.170	8.190 8.165
6-11	8.170 8.325	8.185 8.330	8.195 8.330	8.210 8.325	8.225 8.325	8.240 8.320	8.260 8.315	8.275 8.300	8.290 8.290	8.300 8.280	8.310 8.270	8.315 8.265
6-12	8.260 8.395	8.260 8.395	8.270 8.395	8.275 8.395	8.290 8.385	8.310 8.380	8.330 8.370	8.345 8.355	8.360 8.340	8.375 8.335	8.385 8.325	8.395 8.320

TABLE 2.- HOURLY GAGE HEIGHT, IN METERS(1), AT SECTION 2505, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DATE	TIME IN HOURS 1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
6-13	8.310	8.305	8.300	8.305	8.310	8.310	8.315	8.320	8.325	8.330	8.335	8.340
	8.340	8.335	8.330	8.325	8.320	8.310	8.300	8.285	8.270	8.260	8.245	8.235
6-14	8.225	8.220	8.230	8.235	8.245	8.260	8.265	8.270	8.280	8.290	8.295	8.295
	8.295	8.295	8.290	8.290	8.275	8.265	8.245	8.230	8.215	8.200	8.185	8.175
6-15	8.170	8.165	8.170	8.175	8.185	8.190	8.195	8.200	8.200	8.205	8.205	8.205
	8.195	8.185	8.175	8.160	8.145	8.130	8.110	8.095	8.075	8.060	8.045	8.030
6-16	8.010	7.995	7.980	7.965	7.950	7.935	7.925	7.910	7.895	7.880	7.865	7.845
	7.820	7.805	7.790	7.775	7.765	7.755	7.745	7.735	7.730	7.730	7.730	7.740
6-17	7.760	7.785	7.810	7.835	7.860	7.875	7.895	7.905	7.915	7.925	7.935	7.930
	7.925	7.920	7.915	7.905	7.895	7.885	7.880	7.870	7.865	7.865	7.865	7.880
6-18	7.900	7.925	7.955	7.985	8.015	8.040	8.070	8.095	8.120	8.140	8.150	8.165
	8.175	8.185	8.190	8.185	8.185	8.175	8.160	8.145	8.125	8.105	8.085	8.070
6-19	8.050	8.050	8.050	8.060	8.070	8.080	8.090	8.095	8.105	8.110	8.115	8.115
	8.115	8.110	8.100	8.080	8.065	8.050	8.040	8.025	8.010	8.000	7.995	7.995
6-20	8.010	8.025	8.055	8.080	8.105	8.130	8.155	8.180	8.205	8.230	8.255	8.270
	8.285	8.300	8.300	8.300	8.300	8.290	8.275	8.260	8.235	8.215	8.190	8.165
6-21	8.145	8.135	8.135	8.135	8.145	8.170	8.180	8.190	8.200	8.210	8.220	8.230
	8.235	8.235	8.235	8.225	8.215	8.200	8.175	8.150	8.120	8.095	8.065	8.045
6-22	8.030	8.025	8.035	8.040	8.060	8.075	8.090	8.105	8.120	8.130	8.135	8.140
	8.140	8.135	8.130	8.110	8.090	8.070	8.040	8.010	7.985	7.960	7.940	7.925
6-23	7.925	7.935	7.955	7.980	8.005	8.035	8.065	8.090	8.110	8.130	8.150	8.165
	8.175	8.185	8.185	8.175	8.160	8.135	8.105	8.070	8.030	7.990	7.960	7.935
6-24	7.925	7.920	7.925	7.940	7.960	7.985	8.005	8.030	8.050	8.065	8.080	8.085
	8.085	8.080	8.070	8.050	8.025	7.995	7.965	7.935	7.905	7.880	7.855	7.840
6-25	7.825	7.825	7.830	7.855	7.885	7.915	7.945	7.970	7.995	8.015	8.035	8.040
	8.040	8.040	8.030	8.010	7.985	7.955	7.925	7.895*	7.865*	7.835*	7.810*	7.795*
6-26	7.780*	7.790*	7.810*	7.840*	7.870*	7.905*	7.940*	7.965	7.990	8.005	8.020	8.020
	8.015	8.005	7.980	7.955	7.925	7.895	7.865	7.835	7.805	7.780	7.760	7.745
6-27	7.745	7.745	7.770	7.805	7.840	7.875	7.910	7.935	7.965	7.980	7.985	7.990
	7.985	7.970	7.950	7.915	7.885	7.850	7.820	7.795	7.775	7.750	7.725	7.705
6-28	7.685	7.665	7.660	7.660	7.660	7.660	7.660	7.660	7.660	7.660	7.660	7.655
	7.675	7.675	7.650	7.625	7.595	7.575	7.560	7.545	7.535	7.520	7.510	7.505
6-29	7.505	7.500	7.495	7.495	7.490	7.495	7.505	7.510	7.525	7.545	7.545	7.540
	7.530	7.525	7.520	7.515	7.510	7.505	7.510	7.515	7.520	7.505	7.490	7.480
6-30	7.465	7.460	7.455	7.450	7.450	7.460	7.480	7.530	7.560	7.580	7.595	7.610
	7.615	7.620	7.615	7.615	7.605	7.595	7.590	7.580	7.580	7.580	7.575	7.575
7- 1	7.580	7.600	7.630	7.675	7.720	7.765	7.805	7.840	7.870	7.900	7.925	7.940
	7.950	7.955	7.960	7.955	7.950	7.940	7.920	7.900	7.880	7.855	7.840	7.835
7- 2	7.825	7.815	7.810	7.800	7.800	7.810	7.825	7.845	7.870	7.895	7.920	7.935
	7.950	7.950	7.950	7.935	7.910	7.890	7.870	7.850	7.830	7.805	7.785	7.760
7- 3	7.745	7.735	7.730	7.730	7.735	7.750	7.760	7.775	7.790	7.800	7.810	7.815
	7.825	7.825	7.815	7.820	7.820	7.825	7.830	7.835	7.845	7.850	7.855	7.860
7- 4	7.865	7.865	7.870	7.880	7.890	7.900	7.915	7.920	7.925	7.920	7.915	7.910
	7.895	7.875	7.855	7.835	7.815	7.790	7.770	7.745	7.725	7.710	7.690	7.675
7- 5	7.660	7.650	7.645	7.635	7.630	7.630	7.630	7.630	7.630	7.630	7.625	7.620
	7.615	7.605	7.595	7.590	7.580	7.570	7.560	7.545	7.535	7.525	7.515	7.510
7- 6	7.505	7.505	7.500	7.495	7.490	7.490	7.495	7.500	7.505	7.515	7.520	7.520
	7.520	7.520	7.510	7.510	7.505	7.500	7.490	7.485	7.475	7.470	7.460	7.455
7- 7	7.445	7.440	7.435	7.425	7.420	7.415	7.410	7.410	7.410	7.410	7.410	7.415
	7.415	7.415	7.415	7.415	7.410	7.405	7.400	7.390	7.385	7.380	7.375	7.370
7- 8	7.365	7.360	7.355	7.350	7.345	7.345	7.340	7.340	7.335	7.330	7.325	7.325
	7.325	7.320	7.315	7.310	7.310	7.310	7.310	7.310	7.310	7.310	7.310	7.310
7- 9	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.310	7.310
	7.310	7.310	7.310	7.310	7.310	7.305	7.300	7.295	7.295	7.285	7.280	7.275
7-10	7.275	7.270	7.265	7.260	7.260	7.255	7.255	7.250	7.250	7.250	7.250	7.245
	7.250	7.255	7.255	7.255	7.260	7.255	7.245	7.240	7.235	7.230	7.230	7.230

(1) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
* GAGE HEIGHT ESTIMATED.

TABLE 3.- SUMMARY OF DISCHARGE MEASUREMENTS AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980(1)

TOTAL DISCHARGE - NO OVERBANK FLOW OCCURRED AT SECTION 0000

DATE	TIME	WATER LEVEL(2) (M)	SURFACE WIDTH(3) (M)	MEAN DEPTH(4) (M)	MEAN VELOCITY(5) (M/S)	FLOW AREA(6) (M^2)	TOTAL DISCHARGE(7) (M^3/S)
5-15	1145	5.445	17.4	0.39	0.45	6.76	3.06
5-16	1530	5.420	17.1	.37	.44	6.30	2.74
5-18	1200	5.510	17.7	.45	.49	8.02	3.96
5-21	1400	5.795	18.6	.91	.65	12.64	8.21
5-22	1215	6.165	17.7	.96	1.00	16.91	16.88
5-28	1205	5.625	17.7	.57	.52	10.13	5.21
6-11	1105	6.445	19.4	1.22	1.08	23.69	25.54
6-11	1605	6.515	19.5	1.26	1.10	24.62	27.07
6-12	1625	6.635	19.5	1.37	1.25	26.66	33.22
6-15	1515	6.285	18.9	1.03	.93	19.79	18.32
6-16	1215	5.940	17.4	.75	.77	13.10	10.05
9-16	1425	5.205	7.6	.20	.44	1.50	.66

(1) ALL WATER LEVELS ARE FOR SECTION 0000; DISCHARGE MEASUREMENTS ON MAY 15, 16, 18, 21, AND 28, 1980 WERE MADE APPROXIMATELY 15 METERS UPSTREAM OF SECTION 0000.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) TOTAL SURFACE WIDTH OF CHANNEL.
(4) MEAN DEPTH OF WATER OVER TOTAL WIDTH.
(5) MEAN VELOCITY OF TOTAL DISCHARGE.
(6) FLOW AREA OF TOTAL WIDTH.
(7) TOTAL DISCHARGE OVER TOTAL WIDTH OF CHANNEL.

EFFECTIVE DISCHARGE - FLOW OVER 14.6-METER WIDTH OF CONVEYOR BELT

DATE	TIME	WATER LEVEL(1) (M)	EFFECTIVE WIDTH(2) (M)	MEAN DEPTH(3) (M)	MEAN VELOCITY(4) (M/S)	FLOW AREA(5) (M^2)	EFFECTIVE DISCHARGE(6) (M^3/S)
5-22	1215	6.165	14.6	1.04	1.05	15.24	15.94
6-11	1105	6.445	14.6	1.36	1.17	20.07	23.53
6-11	1605	6.515	14.6	1.43	1.17	21.00	24.61
6-12	1625	6.635	14.6	1.51	1.37	22.02	30.04
6-15	1515	6.285	14.6	1.20	1.01	17.56	17.70
6-16	1215	5.940	14.6	.81	.84	11.80	9.88
9-16	1425	5.205	7.6	.20	.44	1.50	.66

(1) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(2) EFFECTIVE WIDTH OF STREAM CHANNEL IS THE 14.6-METER WIDTH OF THE BEDLOAD TRAP; ON 9-16, 7.6 METERS WAS TOTAL WIDTH OF FLOW.
(3) MEAN DEPTH OF WATER OVER EFFECTIVE WIDTH.
(4) MEAN VELOCITY OF EFFECTIVE DISCHARGE.
(5) FLOW AREA OF EFFECTIVE WIDTH.
(6) EFFECTIVE DISCHARGE, INCLUDES ALL FLOW OVER THE EFFECTIVE WIDTH OF THE STREAMBED.

TABLE 4.- SUMMARY OF DISCHARGE MEASUREMENTS AT SECTION 2505, EAST FORK RIVER, WYOMING, 1980(1)

MAIN CHANNEL DISCHARGE - EXCLUDES SHALLOW FLOWS OVER ADJACENT FLOODPLAIN

DATE	TIME	WATER LEVEL(2) (M)	CHANNEL WIDTH(3) (M)	MEAN DEPTH(4) (M)	MEAN VELOCITY(5) (M/S)	FLOW AREA(6) (M^2)	EFFECTIVE DISCHARGE(7) (M^3/S)
5-15	1045	7.300	16.0	0.34	0.56	5.38	3.03
5-16	1430	7.260	15.5	.33	.55	5.06	2.78
5-18	1100	7.375	17.1	.40	.60	6.89	4.11
5-21	1015	7.710	20.4	.65	.66	13.29	8.75
5-23	1400	8.315	22.0	.96	1.19	21.09	25.00
5-28	1000	7.510	20.4	.45	.59	9.15	5.41
6-15	1135	8.205	22.8	1.03	.85	23.50	20.08
6-16	1025	7.875	20.6	.83	.65	17.09	11.07
9-16	1510	7.025	11.3	.16	.34	1.83	.62

(1) ALL WATER LEVELS ARE FOR SECTION 2505; DISCHARGE MEASUREMENTS BEGINNING WITH MAY 18, 1980 WERE MADE APPROXIMATELY 15 METERS DOWNSTREAM OF SECTION 2505.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) EFFECTIVE WIDTH IS THE WIDTH OF THE MAIN STREAM CHANNEL; DOES NOT INCLUDE WIDTH OF OVERBANK FLOW.
(4) MEAN DEPTH OF WATER OVER EFFECTIVE WIDTH.
(5) MEAN VELOCITY OF EFFECTIVE DISCHARGE.
(6) FLOW AREA OF EFFECTIVE WIDTH.
(7) EFFECTIVE DISCHARGE AT SECTION; DOES NOT INCLUDE OVERBANK FLOW.

TABLE 5.- HOURLY DISCHARGE, IN CUBIC METERS PER SECOND, AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
5- 7	8.40	8.59	8.88	8.88	8.98	8.98	8.98	8.88	8.88	8.79	8.69	8.59
	8.40	8.12	8.02	8.02	8.12	8.12	8.21	8.31	8.31	8.40	8.50	8.59
5- 8	8.79	8.88	8.98	9.08	9.18	9.18	9.28	9.28	9.28	9.28	9.28	9.38
	9.38	9.48	9.58	9.58	9.58	9.58	9.68	9.89	10.1	10.3	10.6	10.8
5- 9	11.0	11.1	11.3	11.5	11.5	11.5	11.4	11.3	11.0	11.0	10.9	10.9
	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.2	10.1	9.89	9.68	9.48
5-10	9.38	9.38	9.38	9.38	9.38	9.28	9.18	9.08	8.98	8.88	8.69	8.59
	8.40	8.21	8.02	7.93	7.93	7.84	7.84	7.84	8.02	8.12	8.21	8.31
5-11	8.31	8.31	8.21	8.02	7.84	7.65	7.47	7.29	7.11	7.02	6.93	6.85
	6.76	6.67	6.58	6.50	6.50	6.41	6.50	6.41	6.33	6.33	6.41	6.50
5-12	6.67	6.85	6.85	6.85	6.76	6.76	6.67	6.50	6.33	6.16	6.08	5.99
	5.91	5.83	5.75	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67	5.67
5-13	5.67	5.59	5.59	5.51	5.43	5.35	5.27	5.19	5.12	4.96	4.81	4.74
	4.66	4.59	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.59	4.59
5-14	4.66	4.66	4.74	4.74	4.74	4.66	4.59	4.59	4.51	4.37	4.30	4.08
	3.94	3.81	3.74	3.67	3.74	3.74	3.54	3.41	3.47	3.47	3.47	3.47
5-15	3.41	3.41	3.34	3.34	3.28	3.28	3.28	3.22	3.15	3.09	2.97	2.91
	2.85	2.79	2.73	2.67	2.73	2.73	2.79	2.73	2.79	2.85	2.79	2.73
5-16	2.73	2.73	2.73	2.73	2.79	2.79	2.79	2.85	2.79	2.79	2.73	2.73
	2.67	2.67	2.61	2.61	2.55	2.67	2.73	2.85	2.85	2.85	2.91	3.09
5-17	3.22	3.41	3.54	3.61	3.67	3.61	3.61	3.54	3.54	3.47	3.47	3.41
	3.34	3.28	3.28	3.28	3.28	3.34	3.34	3.41	3.41	3.54	3.67	3.74
5-18	3.74	3.81	3.81	3.88	3.94	3.94	3.94	3.88	3.88	3.81	3.74	3.74
	3.67	3.61	3.54	3.28	3.15	3.03	3.03	3.09	3.22	3.22	3.22	3.22
5-19	3.28	3.34	3.41	3.54	3.54	3.61	3.67	3.67	3.67	3.61	3.61	3.47
	3.41	3.28	3.28	3.15	3.09	3.03	3.03	3.09	3.09	3.09	3.09	3.15
5-20	3.15	3.28	3.41	3.61	3.81	3.94	4.08	4.22	4.30	4.30	4.22	4.30
	4.22	4.15	4.15	4.08	4.01	4.01	4.08	4.08	4.15	4.30	4.37	4.74
5-21	5.35	5.99	6.76	7.47	8.12	8.50	8.79	8.88	8.88	8.88	8.79	8.69
	8.59	8.40	8.31	8.21	8.02	7.93	7.93	8.12	8.40	8.88	9.48	10.4
5-22	11.4	12.2	13.3	13.9	14.6	15.2	15.8	16.2	16.4	16.7	16.8	16.7
	16.7	16.4	16.1	15.7	15.3	15.2	15.1	15.2	15.4	15.9	16.3	16.8
5-23	17.3	17.9	18.5	19.2	20.0	20.7	21.6	22.3	23.0	23.8	24.4	24.8
	25.4	25.8	26.1	26.4	26.5	26.8	26.8	26.7	26.7	26.5	26.2	26.1
5-24	25.9	26.1	26.1	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.1	25.9
	25.8	25.4	25.0	24.5	24.1	23.5	22.9	22.3	21.9	21.4	21.0	20.6
5-25	20.2	19.8	19.5	19.2	18.9	18.4	18.0	17.5	17.1	16.6	16.2	15.8
	15.4	15.1	14.5	14.0	13.4	12.9	12.5	12.1	11.8	11.7	11.5	11.4
5-26	11.3	11.1	10.9	10.8	10.6	10.5	10.4	10.2	9.99	9.78	9.58	9.48
	9.28	9.18	8.98	8.88	8.79	8.59	8.50	8.40	8.02	7.84	7.84	7.84
5-27	7.84	7.74	7.74	7.56	7.47	7.38	7.20	7.02	6.85	6.67	6.50	6.33
	6.08	5.91	5.75	5.59	5.75	6.24	6.33	6.24	6.16	6.08	6.08	5.99
5-28	5.99	6.08	6.08	6.08	6.08	5.99	5.91	5.83	5.75	5.67	5.59	5.43
	5.35	5.04	4.81	4.74	4.66	4.66	4.59	4.51	4.51	4.51	4.44	4.51
5-29	4.59	4.59	4.66	4.74	4.74	4.66	4.66	4.66	4.59	4.59	4.51	4.51
	4.37	4.30	4.22	4.15	4.15	4.08	4.08	4.08	4.01	4.01	3.94	3.88
5-30	3.81	3.81	3.81	3.81	3.81	3.74	3.74	3.67	3.61	3.61	3.54	3.47
	3.34	3.28	3.22	3.28	3.22	3.15	3.09	3.28	3.41	3.54	3.47	3.41
5-31	3.41	3.41	3.41	3.47	3.54	3.54	3.61	3.61	3.61	3.61	3.61	3.54
	3.54	3.47	3.34	3.28	3.28	3.28	3.34	3.41	3.54	3.61	3.54	3.54
6- 1	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.41	3.34	3.28	3.28	3.28
	3.22	3.22	3.15	3.15	3.15	3.15	3.15	3.22	3.22	3.28	3.28	3.28
6- 2	3.28	3.22	3.22	3.28	3.28	3.34	3.41	3.41	3.47	3.54	3.47	3.41
	3.41	3.34	3.34	3.34	3.34	3.28	3.34	3.34	3.34	3.41	3.41	3.47
6- 3	3.54	3.54	3.61	3.61	3.61	3.61	3.54	3.54	3.54	3.47	3.47	3.41
	3.41	3.34	3.34	3.34	3.28	3.28	3.22	3.22	3.15	3.09	3.09	3.03

TABLE 5.- HOURLY DISCHARGE, IN CUBIC METERS PER SECOND, AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
6- 4	3.03 3.15	3.03 3.15	3.03 3.09	3.03 3.09	3.09 3.09	3.09 3.03	3.15 2.97	3.15 2.97	3.22 2.91	3.15 2.85	3.15 2.85	3.15 2.85
6- 5	2.91 3.81	3.03 3.81	3.09 3.81	3.22 3.81	3.28 3.74	3.41 3.74	3.54 3.74	3.61 3.81	3.67 3.81	3.74 3.81	3.74 3.88	3.81 3.94
6- 6	4.08 4.89	4.30 4.89	4.37 4.81	4.51 4.81	4.59 4.81	4.74 4.89	4.81 4.81	4.81 4.74	4.89 4.74	4.96 4.74	4.96 4.81	4.96 4.81
6- 7	4.89 4.81	4.96 4.66	5.04 4.59	5.19 4.51	5.27 4.51	5.27 4.59	5.35 4.89	5.35 5.12	5.27 5.04	5.19 5.04	5.04 4.96	4.96 5.04
6- 8	5.27 7.11	5.59 7.11	5.99 7.02	6.33 6.93	6.58 6.85	6.76 6.85	6.93 7.02	7.02 7.02	7.02 7.02	7.02 7.11	7.11 7.29	7.11 7.74
6- 9	8.31 13.6	9.08 13.7	9.89 13.7	10.8 13.7	11.5 13.6	11.8 13.5	12.1 13.4	12.6 13.2	12.9 13.0	13.2 12.9	13.4 13.0	13.5 13.2
6-10	13.5 19.5	13.7 19.8	14.3 19.9	14.8 20.0	15.3 19.9	15.9 19.8	16.4 19.6	17.0 19.3	17.5 19.1	18.1 18.8	18.7 18.7	19.2 18.5
6-11	18.5 25.6	18.7 26.1	18.9 26.4	19.3 26.7	20.0 26.5	20.7 26.2	21.4 25.6	22.3 25.0	23.0 24.5	23.8 24.1	24.5 23.6	25.3 23.2
6-12	22.7 30.6	22.5 30.7	22.5 30.7	22.7 30.6	23.8 30.4	24.7 30.1	25.6 29.7	26.5 29.4	27.5 28.9	29.1 28.4	29.9 28.0	30.4 27.3
6-13	26.8 28.6	26.2 28.4	25.9 28.3	25.8 28.1	25.8 27.6	25.8 27.0	26.1 26.4	26.4 25.8	27.2 25.1	27.6 24.5	28.1 23.8	28.4 23.2
6-14	22.6 25.1	22.0 25.3	21.7 25.1	21.7 25.0	22.0 24.7	22.2 24.4	22.7 23.8	23.2 23.2	23.6 22.3	24.1 21.6	24.5 21.0	25.0 20.3
6-15	19.8 20.7	19.5 20.5	19.3 20.0	19.2 19.6	19.3 19.3	19.6 18.9	19.8 18.4	19.9 17.9	20.2 17.3	20.5 16.7	20.7 16.2	20.7 15.7
6-16	15.2 11.1	14.8 10.7	14.3 10.3	14.1 9.99	13.7 9.89	13.4 9.68	13.0 9.48	12.7 9.28	12.4 9.18	12.1 9.08	11.8 8.98	11.5 8.98
6-17	9.08 12.4	9.38 12.4	9.78 12.2	10.2 12.1	10.5 12.0	10.9 11.8	11.3 11.7	11.5 11.5	11.7 11.4	12.0 11.3	12.1 11.1	12.2 11.1
6-18	11.4 18.7	11.7 19.2	12.2 19.6	12.7 19.9	13.4 20.0	14.1 20.0	14.8 19.8	15.4 19.5	16.2 18.9	16.8 18.4	17.5 17.7	18.1 17.0
6-19	16.4 17.3	16.1 17.3	15.7 17.1	15.7 16.8	15.9 16.4	16.2 15.9	16.4 15.6	16.7 15.1	16.8 14.8	17.1 14.6	17.2 14.3	17.3 14.3
6-20	14.3 23.8	14.7 24.5	15.1 25.0	15.7 25.4	16.3 25.6	17.1 25.4	17.9 25.0	18.7 24.4	19.6 23.6	20.7 22.6	21.9 21.6	22.9 20.5
6-21	19.3 21.6	18.8 21.7	18.3 21.7	18.1 21.6	18.3 21.3	18.5 20.7	18.7 20.0	19.2 19.2	19.6 18.5	20.2 17.6	20.7 16.8	21.2 16.1
6-22	15.6 18.3	15.3 18.3	15.3 18.1	15.3 17.7	15.6 17.3	15.9 16.6	16.3 15.9	16.7 15.3	17.1 14.7	17.5 14.1	17.7 13.4	18.1 13.0
6-23	12.9 18.4	12.9 18.7	13.0 18.9	13.4 18.9	13.7 18.8	14.5 18.3	15.1 17.7	15.8 16.8	16.4 15.8	17.0 14.8	17.5 14.0	17.9 13.3
6-24	12.9 16.3	12.7 16.4	12.7 16.3	12.9 15.9	13.3 15.4	13.6 14.7	14.1 14.0	14.6 13.4	15.1 12.7	15.4 12.0	15.9 11.6	16.2 11.3
6-25	10.9 15.2	10.8 15.2	10.9 15.1	11.3 14.7	11.7 14.3	12.2 13.7	12.7 13.2	13.3 12.6	13.7 12.0	14.2 11.5	14.6 10.9	14.9 10.4
6-26	10.2 14.5	9.99 14.6	9.99 14.3	10.3 14.2	10.8 13.6	11.5 13.0	12.0 12.4	12.6 11.8	13.0 11.3	13.6 10.7	14.0 10.2	14.3 9.89
6-27	9.58 13.7	9.48 13.7	9.48 13.6	9.68 13.3	10.2 12.8	10.7 12.2	11.4 11.6	12.0 11.0	12.5 10.4	13.0 10.1	13.4 9.68	13.6 9.28
6-28	8.88 8.21	8.59 8.31	8.31 8.02	8.12 7.38	8.02 7.11	8.02 6.76	8.12 6.58	8.12 6.33	8.12 6.16	8.12 6.08	8.02 5.91	7.93 5.75
6-29	5.59 6.16	5.43 5.99	5.43 5.91	5.35 5.75	5.43 5.67	5.59 5.51	5.75 5.43	5.91 5.27	6.08 5.19	6.16 5.04	6.33 4.96	6.24 4.89
6-30	4.81 7.29	4.74 7.29	4.59 7.29	4.81 7.29	4.96 7.11	5.35 7.02	5.75 6.85	6.08 6.85	6.50 6.85	6.76 6.76	7.02 6.76	7.11 6.76
7- 1	6.85 12.9	7.11 13.0	7.56 13.2	8.02 13.3	8.59 13.3	9.38 13.0	10.1 12.8	10.7 12.4	11.3 12.0	11.7 11.6	12.1 11.1	12.6 11.0

TABLE 5.- HOURLY DISCHARGE, IN CUBIC METERS PER SECOND, AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980—CONTINUED

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
7- 2	10.9 12.9	10.7 13.0	10.6 13.0	10.4 12.9	10.4 12.6	10.6 12.1	10.9 11.8	11.4 11.4	11.7 10.9	12.1 10.5	12.5 10.2	12.9 9.89
7- 3	9.48 10.8	9.38 10.9	9.28 10.8	9.28 10.7	9.38 10.7	9.58 10.8	9.78 10.9	9.99 11.0	10.2 11.3	10.4 11.4	10.6 11.5	10.8 11.5
7- 4	11.6 12.5	11.6 12.1	11.7 11.7	11.8 11.4	12.0 11.0	12.2 10.6	12.5 10.3	12.6 9.89	12.7 9.48	12.8 9.18	12.7 8.88	12.7 8.69
7- 5	8.40 7.47	8.21 7.38	8.02 7.29	7.84 7.11	7.74 6.93	7.56 6.76	7.56 6.58	7.56 6.41	7.56 6.16	7.56 5.99	7.56 5.83	7.47 5.75
7- 6	5.59 5.99	5.51 5.91	5.43 5.91	5.35 5.75	5.35 5.67	5.51 5.51	5.59 5.35	5.75 5.19	5.83 5.04	5.91 4.96	5.99 4.81	6.08 4.66
7- 7	4.51 4.59	4.44 4.51	4.30 4.44	4.22 4.37	4.15 4.30	4.08 4.08	4.15 3.94	4.22 3.81	4.30 3.74	4.44 3.74	4.51 3.67	4.59 3.61
7- 8	3.54 3.28	3.54 3.22	3.47 3.09	3.41 3.09	3.41 3.15	3.41 3.15	3.34 3.22	3.34 3.22	3.28 3.15	3.28 3.15	3.28 3.15	3.28 3.15
7- 9	3.15 3.41	3.15 3.34	3.09 3.28	3.09 3.28	3.09 3.15	3.09 3.15	3.15 3.09	3.15 3.03	3.28 2.85	3.34 2.79	3.34 2.73	3.41 2.73
7-10	2.67 2.79	2.61 2.73	2.61 2.67	2.55 2.61	2.55 2.55	2.55 2.50	2.55 2.44	2.55 2.38	2.61 2.33	2.67 2.27	2.73 2.22	2.79 2.22
7-11	2.22 2.44	2.22 2.44	2.17 2.44	2.11 2.44	2.11 2.38	2.06 2.33	2.06 2.33	2.11 2.27	2.17 2.22	2.22 2.22	2.33 2.17	2.38 2.11
7-12	2.11 1.91	2.06 1.96	2.06 1.96	2.01 1.96	2.01 1.96	1.96 1.96	1.96 1.96	1.91 1.96	1.91 1.91	1.86 1.91	1.91 1.86	1.91 1.86
7-13	1.86 1.71	1.81 1.71	1.81 1.71	1.81 1.66	1.81 1.66	1.76 1.66	1.76 1.66	1.76 1.66	1.76 1.66	1.76 1.61	1.71 1.61	1.71 1.61
7-14	1.61 1.52	1.61 1.52	1.61 1.52	1.61 1.52	1.61 1.52	1.61 1.52	1.57 1.52	1.57 1.52	1.57 1.52	1.57 1.52	1.57 1.52	1.57 1.57
7-15	1.76 1.76	1.81 1.76	1.81 1.76	1.81 1.71	1.81 1.71	1.81 1.66	1.81 1.66	1.81 1.66	1.81 1.66	1.76 1.61	1.76 1.61	1.76 1.61
7-16	1.61 1.38	1.61 1.38	1.57 1.43	1.57 1.43	1.52 1.43	1.52 1.43	1.47 1.43	1.43 1.43	1.43 1.43	1.38 1.43	1.38 1.38	1.38 1.38
7-17	1.38 1.34	1.38 1.34	1.38 1.34	1.38 1.34	1.38 1.34	1.38 1.38	1.38 1.38	1.38 1.43	1.34 1.43	1.34 1.43	1.34 1.47	1.34 1.47
7-18	1.47 1.57	1.52 1.52	1.52 1.52	1.52 1.52	1.52 1.52	1.52 1.52	1.52 1.47	1.57 1.47	1.57 1.47	1.57 1.47	1.57 1.52	1.57 1.52
7-19	1.52 1.43	1.57 1.43	1.57 1.43	1.57 1.43	1.57 1.38	1.57 1.38	1.52 1.38	1.52 1.34	1.52 1.34	1.47 1.34	1.47 1.34	1.43 1.38
7-20	1.38 1.47	1.38 1.47	1.38 1.43	1.38 1.43	1.43 1.43	1.43 1.43	1.43 1.38	1.43 1.57	1.43 1.71	1.47 1.76	1.47 1.76	1.47 1.76
7-21	1.81 1.86	1.81 1.81	1.81 1.81	1.86 1.81	1.86 1.81	1.86 1.81	1.86 1.81	1.86 1.76	1.86 1.76	1.86 1.76	1.86 1.76	1.86 1.76
7-22	1.76 1.71	1.76 1.71	1.76 1.66	1.76 1.66	1.76 1.66	1.76 1.52	1.76 1.43	1.76 1.38	1.76 1.38	1.76 1.38	1.76 1.38	1.71 1.38
7-23	1.38 1.47	1.38 1.47	1.38 1.47	1.38 1.43	1.43 1.43	1.43 1.43	1.43 1.43	1.47 1.38	1.47 1.38	1.47 1.38	1.47 1.38	1.52 1.38
7-24	1.38 1.21	1.34 1.21	1.30 1.21	1.30 1.17	1.26 1.17	1.21 1.17	1.21 1.17	1.21 1.17	1.21 1.17	1.21 1.17	1.21 1.17	1.21 1.17
7-25	1.17 1.38	1.17 1.38	1.17 1.34	1.17 1.34	1.17 1.30	1.17 1.26	1.17 1.26	1.21 1.21	1.21 1.21	1.21 1.17	1.21 1.17	1.38 1.17
7-26	1.17 1.17	1.17 1.17	1.17 1.17	1.17 1.17	1.17 1.13	1.17 1.13	1.17 1.09	1.17 1.09	1.17 1.09	1.17 1.09	1.17 1.05	1.17 1.05
7-27	1.09 1.30	1.17 1.26	1.17 1.21	1.17 1.17	1.21 1.17	1.21 1.17	1.21 1.17	1.26 1.13	1.30 1.09	1.30 1.09	1.30 1.09	1.30 1.09
7-28	1.09 1.13	1.09 1.13	1.09 1.13	1.09 1.09	1.09 1.09	1.09 1.09	1.13 1.09	1.13 1.05	1.13 1.05	1.13 1.05	1.13 1.05	1.17 1.05
7-29	1.05 1.05	1.05 1.05	1.05 1.01	1.05 1.01	1.05 .97	1.05 .97	1.05 1.01	1.05 .97	1.05 .97	1.05 .97	1.05 .97	1.05 .97

TABLE 5.- HOURLY DISCHARGE, IN CUBIC METERS PER SECOND, AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
7-30	0.97 1.09	0.97 1.09	0.97 1.05	0.97 1.05	0.97 1.05	1.01 1.05	1.05 1.05	1.05 1.05	1.05 1.01	1.09 1.01	1.09 1.01	1.09 1.01
7-31	1.01 1.05	1.01 1.05	1.01 1.05	1.01 1.05	1.01 1.05	1.05 1.05	1.05 1.01	1.05 1.01	1.05 1.01	1.05 1.01	1.05 1.01	1.05 .97
8- 1	.97 1.01	.97 1.01	.97 1.01	.97 1.01	.97 1.01	.97 1.01	1.01 1.01	1.01 .97	1.01 .97	1.01 .97	1.01 .97	1.05 .97
8- 2	.97 .97	.97 .97	.97 .94	.97 .94	.97 .94	.97 .94	.97 .94	.97 .94	.97 .94	.97 .90	.97 .90	.97 .90
8- 3	.90 .97	.90 .97	.90 .97	.90 .94	.90 .94	.90 .94	.86 .94	.86 .94	.86 .94	.90 .90	.94 .90	.97 .90
8- 4	.90 .86	.90 .86	.90 .86	.90 .86	.90 .86	.90 .86	.90 .86	.86 .86	.86 .86	.86 .86	.86 .83	.86 .83
8- 5	.83 .86	.83 .86	.83 .86	.83 .86	.83 .86	.83 .83	.83 .83	.83 .83	.83 .83	.83 .83	.83 .83	.83 .83
8- 6	.83 .83	.83 .83	.83 .83	.83 .83	.83 .79	.83 .79	.83 .79	.83 .79	.79 .76	.83 .76	.83 .79	.83 .79
8- 7	.79 .79	.79 .79	.79 .79	.79 .79	.79 .79	.79 .79	.79 .76	.79 .76	.79 .76	.79 .76	.79 .76	.79 .76
8- 8	.76 .79	.76 .79	.76 .79	.76 .79	.76 .79	.76 .79	.76 .76	.76 .76	.76 .76	.76 .76	.76 .76	.79 .76
8- 9	.76 .76	.76 .76	.76 .76	.76 .76	.76 .72	.76 .72	.76 .72	.76 .72	.76 .72	.76 .72	.76 .72	.76 .72
8-10	.72 .72	.72 .72	.72 .72	.72 .72	.72 .72	.72 .72	.72 .72	.72 .72	.72 .72	.72 .72	.72 .72	.72 .69
8-11	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .69	.72 .69	.72 .69	.72 .69
8-12	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .69	.72 .69	.72 .69	.72 .69
8-13	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69
8-14	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .69	.69 .66	.69 .66
8-15	.66 .69	.66 .69	.66 .69	.66 .69	.66 .69	.69 .69	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72	.69 .72
8-16	.72 1.17	.72 1.30	.72 1.21	.72 1.17	.72 1.05	.72 .97	.76 .97	.76 .97	.79 .94	.79 .94	.83 .90	.86 .86
8-17	.86 .90	.86 .90	.86 .90	.86 .90	.86 .90	.86 .90	.86 .90	.86 .86	.86 .86	.90 .86	.90 .83	.90 .83
8-18	.83 .86	.83 .86	.83 .86	.83 .86	.83 .83	.83 .83	.83 .83	.86 .83	.86 .83	.86 .83	.86 .83	.86 .79
8-19	.79 .79	.79 .79	.79 .79	.79 .79	.79 .79	.79 .79	.79 .79	.79 .79	.79 .79	.79 .76	.79 .76	.79 .76

TABLE 6.- HOURLY DISCHARGE, IN CUBIC METERS PER SECOND, AT SECTION 2505, EAST FORK RIVER, WYOMING, 1980

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
5-16	2.60 2.50	2.60 2.50	2.60 2.45	2.60 2.45	2.60 2.50	2.60 2.60	2.60 2.65	2.60 2.70	2.60 2.75	2.60 2.81	2.55 2.86	2.55 2.91
5-17	3.02 3.36	3.19 3.25	3.25 3.25	3.36 3.25	3.48 3.25	3.54 3.25	3.54 3.31	3.54 3.36	3.54 3.48	3.48 3.54	3.42 3.66	3.42 3.78
5-18	3.84 3.66	3.91 3.60	3.91 3.42	3.97 3.25	3.97 3.08	4.03 3.08	4.03 3.08	4.03 3.08	3.91 3.19	3.84 3.25	3.78 3.25	3.72 3.25
5-19	3.25 3.48	3.31 3.42	3.36 3.31	3.42 3.19	3.54 3.08	3.60 3.08	3.66 3.08	3.66 3.08	3.66 3.08	3.66 3.14	3.60 3.14	3.54 3.19
5-20	3.25 4.22	3.31 4.16	3.36 4.16	3.54 4.16	3.72 4.16	3.84 4.10	4.03 4.10	4.16 4.10	4.22 4.10	4.22 4.16	4.22 4.29	4.22 4.42
5-21	5.61 8.49	6.61 8.31	7.35 8.13	7.87 8.04	8.31 7.95	8.58 7.95	8.85 8.04	9.03 8.22	9.03 8.76	8.94 10.3	8.85 11.3	8.67 12.6
5-22	13.8 16.5	14.6 16.0	15.3 15.8	15.6 15.5	16.1 15.5	16.5 15.5	16.9 15.6	16.9 16.0	17.0 16.6	17.0 17.1	17.0 17.6	16.7 18.3
5-23	18.8 23.4	19.6 23.4	20.0 23.5	20.5 23.5	20.9 23.6	21.4 23.6	21.8 23.8	22.2 23.8	22.5 23.6	22.6 23.6	22.9 23.6	23.1 23.6
5-24	23.5 22.9	23.5 22.9	23.5 22.6	23.5 22.3	23.5 22.1	23.5 21.6	23.5 21.4	23.4 21.1	23.4 20.7	23.4 20.4	23.2 20.1	23.2 19.7
5-25	19.5 14.9	19.2 14.5	18.8 13.9	18.5 13.3	18.3 12.8	17.8 12.4	17.4 12.1	17.0 12.0	16.6 11.8	16.3 11.7	15.9 11.6	15.4 11.5
5-26	11.4 9.22	11.3 9.13	11.1 8.94	11.0 8.85	10.8 8.76	10.6 8.58	10.4 8.31	10.2 7.87	9.98 7.87	9.79 7.87	9.60 7.87	9.41 7.87
5-27	7.87 5.91	7.78 5.54	7.78 5.54	7.61 5.76	7.52 6.22	7.44 6.38	7.27 6.30	7.10 6.22	6.69 6.06	6.53 6.06	6.38 6.06	6.14 6.06
5-28	6.14 5.11	6.14 4.96	6.22 4.89	6.14 4.83	6.06 4.83	5.99 4.76	5.91 4.76	5.84 4.76	5.69 4.76	5.61 4.69	5.46 4.62	5.39 4.62
5-29	4.62 4.29	4.69 4.29	4.76 4.22	4.76 4.22	4.83 4.22	4.76 4.22	4.76 4.22	4.69 4.22	4.62 4.16	4.55 4.03	4.42 3.97	4.35 3.97
5-30	3.91 3.42	3.91 3.31	3.91 3.25	3.91 3.31	3.91 3.31	3.91 3.31	3.91 3.25	3.84 3.36	3.78 3.42	3.72 3.54	3.66 3.54	3.54 3.54
5-31	3.54 3.66	3.54 3.60	3.54 3.54	3.60 3.48	3.60 3.42	3.66 3.42	3.66 3.42	3.72 3.54	3.72 3.60	3.72 3.66	3.72 3.66	3.66 3.66
6- 1	3.66 3.36	3.66 3.36	3.66 3.36	3.66 3.36	3.66 3.36	3.66 3.36	3.66 3.36	3.66 3.36	3.60 3.36	3.54 3.36	3.48 3.42	3.42 3.42
6- 2	3.42 3.54	3.42 3.54	3.42 3.54	3.42 3.54	3.42 3.54	3.48 3.48	3.48 3.48	3.54 3.42	3.54 3.48	3.54 3.48	3.54 3.54	3.54 3.54
6- 3	3.60 3.48	3.60 3.42	3.60 3.42	3.60 3.36	3.66 3.36	3.66 3.31	3.66 3.25	3.66 3.25	3.66 3.19	3.60 3.19	3.54 3.14	3.54 3.14
6- 4	3.08 3.19	3.08 3.19	3.08 3.14	3.08 3.14	3.08 3.08	3.14 3.08	3.19 3.02	3.19 3.02	3.19 2.97	3.19 2.97	3.19 2.91	3.19 2.91
6- 5	2.91 3.72	2.97 3.72	3.02 3.78	3.08 3.78	3.19 3.78	3.25 3.78	3.36 3.78	3.42 3.78	3.48 3.84	3.60 3.84	3.66 3.84	3.66 3.91
6- 6	3.97 4.96	4.10 4.89	4.16 4.89	4.29 4.89	4.42 4.89	4.55 4.89	4.69 4.89	4.76 4.83	4.83 4.83	4.83 4.83	4.89 4.83	4.89 4.83
6- 7	4.89 4.96	4.96 4.83	5.03 4.76	5.11 4.69	5.32 4.62	5.32 4.62	5.32 4.76	5.32 4.96	5.32 5.03	5.25 5.03	5.18 5.03	5.03 5.11
6- 8	5.39 7.27	5.69 7.27	6.06 7.10	6.45 6.94	6.61 6.94	6.86 7.02	7.10 7.10	7.19 7.10	7.27 7.27	7.35 7.52	7.35 7.87	7.27 8.49
6- 9	9.41 14.9	10.4 14.8	11.3 14.7	11.9 14.6	12.4 14.5	13.1 14.3	13.7 14.1	14.0 14.0	14.3 14.0	14.6 14.0	14.7 14.2	14.8 14.6
6-10	15.0 20.1	15.5 20.3	16.0 20.3	16.5 20.3	17.0 20.3	17.5 20.1	18.0 19.9	18.5 19.7	19.1 19.6	19.3 19.5	19.7 19.3	19.9 19.2
6-11	19.3 23.6	19.7 23.8	20.0 23.8	20.4 23.6	20.8 23.6	21.2 23.5	21.8 23.4	22.2 22.9	22.6 22.6	22.9 22.3	23.2 22.1	23.4 21.9
6-12	21.8 25.7	21.8 25.7	22.1 25.7	22.2 25.7	22.6 25.4	23.2 25.3	23.8 25.0	24.2 24.5	24.7 24.1	25.1 23.9	25.4 23.6	25.7 23.5

TABLE 6.- HOURLY DISCHARGE, IN CUBIC METERS PER SECOND, AT SECTION 2505, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DATE	TIME IN HOURS											
	1 13	2 14	3 15	4 16	5 17	6 18	7 19	8 20	9 21	10 22	11 23	12 24
6-13	23.2 24.1	23.1 23.9	22.9 23.8	23.1 23.6	23.2 23.5	23.2 23.2	23.4 22.9	23.5 22.5	23.6 22.1	23.8 21.8	23.9 21.4	24.1 21.1
6-14	20.8 22.8	20.7 22.8	20.9 22.6	21.1 22.6	21.4 22.2	21.8 21.9	21.9 21.4	22.1 20.9	22.3 20.5	22.6 20.1	22.8 19.7	22.8 19.5
6-15	19.3 20.0	19.2 19.7	19.3 19.5	19.5 19.1	19.7 18.7	19.9 18.3	20.0 17.8	20.1 17.4	20.1 16.9	20.3 16.5	20.3 16.1	20.3 15.8
6-16	15.3 11.1	14.9 10.8	14.6 10.5	14.2 10.2	13.9 9.98	13.5 9.79	13.3 9.60	13.0 9.41	12.7 9.31	12.3 9.31	12.0 9.31	11.6 9.50
6-17	9.89 13.3	10.4 13.2	10.9 13.1	11.4 12.9	11.9 12.7	12.2 12.4	12.7 12.3	12.9 12.1	13.1 12.0	13.3 12.0	13.5 12.0	13.4 12.3
6-18	12.8 19.5	13.3 19.7	14.0 19.9	14.7 19.7	15.4 19.7	16.0 19.5	16.7 19.1	17.4 18.7	18.0 18.1	18.5 17.6	18.8 17.1	19.2 16.7
6-19	16.3 17.9	16.3 17.8	16.3 17.5	16.5 17.0	16.7 16.6	17.0 16.3	17.2 16.0	17.4 15.6	17.6 15.3	17.8 15.0	17.9 14.9	17.9 14.9
6-20	15.3 22.5	15.6 22.9	16.4 22.9	17.0 22.9	17.6 22.9	18.3 22.6	18.9 22.2	19.6 21.8	20.3 21.1	20.9 20.5	21.6 19.9	22.1 19.2
6-21	18.7 21.1	18.4 21.1	18.4 21.1	18.4 20.8	18.7 20.5	19.3 20.1	19.6 19.5	19.9 18.8	20.1 18.0	20.4 17.4	20.7 16.6	20.9 16.1
6-22	15.8 18.5	15.6 18.4	15.9 18.3	16.0 17.8	16.5 17.2	16.9 16.7	17.2 16.0	17.6 15.3	18.0 14.7	18.3 14.1	18.4 13.7	18.5 13.3
6-23	13.3 19.5	13.5 19.7	14.0 19.7	14.6 19.5	15.2 19.1	15.9 18.4	16.6 17.6	17.2 16.7	17.8 15.8	18.3 14.8	18.8 14.1	19.2 13.5
6-24	13.3 17.1	13.2 17.0	13.3 16.7	13.7 16.3	14.1 15.6	14.7 14.9	15.2 14.2	15.8 13.5	16.3 12.9	16.6 12.3	17.0 11.8	17.1 11.5
6-25	11.2 16.0	11.2 16.0	11.3 15.8	11.8 15.3	12.4 14.7	13.1 14.0	13.8 13.3	14.3 12.7	14.9 12.0	15.4 11.4	15.9 10.9	16.0 10.6
6-26	10.3 15.4	10.5 15.2	10.9 14.6	11.5 14.0	12.1 13.3	12.9 12.7	13.7 12.0	14.2 11.4	14.8 10.8	15.2 10.3	15.5 9.89	15.5 9.60
6-27	9.60 14.7	9.60 14.3	10.1 13.9	10.8 13.1	11.5 12.4	12.2 11.7	13.0 11.1	13.5 10.6	14.2 10.2	14.6 9.69	14.7 9.22	14.8 8.85
6-28	8.49 8.31	8.13 8.31	8.04 7.87	8.04 7.44	8.04 6.94	8.04 6.61	8.04 6.38	8.04 6.14	8.04 5.99	8.04 5.76	8.04 5.61	7.95 5.54
6-29	5.54 5.91	5.46 5.84	5.39 5.76	5.39 5.69	5.32 5.61	5.39 5.54	5.54 5.61	5.61 5.69	5.84 5.76	6.14 5.54	6.14 5.32	6.06 5.18
6-30	4.96 7.27	4.89 7.35	4.83 7.27	4.76 7.27	4.76 7.10	4.89 6.94	5.18 6.86	5.91 6.69	6.38 6.69	6.69 6.69	6.94 6.61	7.19 6.61
7- 1	6.69 13.9	7.02 14.0	7.52 14.1	8.31 14.0	9.13 13.9	9.98 13.7	10.8 13.2	11.5 12.8	12.1 12.3	12.8 11.8	13.3 11.5	13.7 11.4
7- 2	11.2 13.9	11.0 13.9	10.9 13.9	10.7 13.5	10.7 13.0	10.9 12.6	11.2 12.1	11.6 11.7	12.1 11.3	12.7 10.8	13.2 10.4	13.5 9.89
7- 3	9.60 11.2	9.41 11.2	9.31 11.0	9.31 11.1	9.41 11.1	9.69 11.2	9.89 11.3	10.2 11.4	10.5 11.6	10.7 11.7	10.9 11.8	11.0 11.9
7- 4	12.0 12.7	12.0 12.2	12.1 11.8	12.3 11.4	12.6 11.0	12.8 10.5	13.1 10.1	13.2 9.60	13.3 9.22	13.2 8.94	13.1 8.58	13.0 8.31
7- 5	8.04 7.27	7.87 7.10	7.78 6.94	7.61 6.86	7.52 6.69	7.52 6.53	7.52 6.38	7.52 6.14	7.52 5.99	7.52 5.84	7.44 5.69	7.35 5.61
7- 6	5.54 5.76	5.54 5.76	5.46 5.61	5.39 5.61	5.32 5.54	5.32 5.46	5.39 5.32	5.46 5.25	5.54 5.11	5.69 5.03	5.76 4.89	5.76 4.83
7- 7	4.69 4.29	4.62 4.29	4.55 4.29	4.42 4.29	4.35 4.22	4.29 4.16	4.22 4.10	4.22 3.97	4.22 3.91	4.22 3.84	4.22 3.78	4.29 3.72
7- 8	3.66 3.19	3.60 3.14	3.54 3.08	3.48 3.02	3.42 3.02	3.42 3.02	3.36 3.02	3.36 3.02	3.31 3.02	3.25 3.02	3.19 3.02	3.19 3.02
7- 9	2.97 3.02	2.97 3.02	2.97 3.02	2.97 3.02	2.97 3.02	2.97 2.97	2.97 2.91	2.97 2.86	2.97 2.86	2.97 2.75	3.02 2.70	3.02 2.65
7-10	2.65 2.40	2.60 2.45	2.55 2.45	2.50 2.45	2.50 2.50	2.45 2.45	2.45 2.35	2.40 2.30	2.40 2.25	2.40 2.20	2.40 2.20	2.35 2.20

TABLE 7.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0043, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1535	--	5.625	4.848	0.737	0.777	17.2	16.0	12.68	12.68
5-14	1720	3.74	5.575	4.881	.672	.694	16.8	16.0	11.29	11.29
5-16	1510	2.61	5.485	4.871	.597	.614	16.6	16.0	9.91	9.91
5-19	1520	3.22	5.545	4.898	.620	.647	16.9	16.0	10.48	10.48
5-21	1520	8.31	5.829	4.909	.826	.920	18.5	16.0	15.27	15.27
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1515	9.28	5.859	4.565	1.119	1.294	19.3	16.0	21.61	21.61
5-27	1605	5.67	5.684	4.499	1.068	1.185	18.1	16.0	19.32	19.32
5-28	1547	4.74	5.624	4.663	.884	.961	17.8	16.0	15.74	15.74
5-30	1401	3.28	5.540	4.445	1.059	1.095	16.8	16.0	17.79	17.79
6-01	1351	3.22	5.535	4.461	1.039	1.074	16.8	16.0	17.45	17.45
6-03	1629	3.28	5.540	4.467	1.032	1.073	16.9	16.0	17.44	17.44
6-05	1434	3.81	5.580	4.477	1.042	1.103	17.1	16.0	17.81	17.81
6-07	1614	4.51	5.630	4.481	1.058	1.149	17.6	16.0	18.63	18.63
6-09	1745	13.5	6.073	4.465	1.387	1.608	19.8	16.0	27.46	27.46
6-10	1654	19.3	6.340	4.736	1.338	1.604	20.7	16.0	27.70	27.70
6-11	1730	23.5	6.555	4.614	1.525	1.941	22.6	16.0	34.47	34.47
6-12	1806	30.6	6.685	4.523	1.617	2.162	23.6	16.0	38.16	38.16
6-13	1600	28.3	6.610	4.596	1.584	2.014	23.5	16.0	37.23	37.23
6-14	1634	23.5	6.505	4.546	1.565	1.959	22.4	16.0	35.05	35.05
6-15	1628	--	6.324	4.589	1.475	1.735	20.8	16.0	30.68	30.68
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1412	12.4	6.024	4.452	1.347	1.572	20.0	16.0	26.95	26.95
6-18	1702	18.7	6.340	4.397	1.639	1.943	20.7	16.0	33.93	33.93
6-19	1527	17.0	6.230	4.340	1.608	1.890	20.6	16.0	33.12	33.12
6-20	1637	25.6	6.539	4.507	1.621	2.032	22.8	16.0	36.96	36.96
6-21	1614	21.4	6.399	4.472	1.578	1.927	21.8	16.0	34.40	34.40
6-23	1337	18.9	6.309	4.505	1.534	1.804	20.7	16.0	31.75	31.75
6-25	0905	13.7	6.099	4.549	1.347	1.550	19.9	16.0	26.80	26.80
6-27	0900	12.9	6.043	4.533	1.295	1.510	20.1	16.0	26.04	26.04
6-29	0914	--	5.699	4.564	.973	1.135	19.3	16.0	18.77	18.77
7-01	1607	--	6.069	4.730	1.165	1.339	20.0	16.0	23.31	23.31
7-03	1625	--	5.948	4.785	1.004	1.163	19.9	16.0	19.97	19.97
7-05	0909	--	5.789	4.759	.874	1.030	19.9	16.0	17.40	17.40
7-07	1459	--	5.605	4.720	.834	.885	16.2	15.0	13.51	13.51
7-09	1002	--	5.570	4.761	.789	.809	15.9	15.0	12.54	12.54
7-12	1515	--	5.425	4.695	.708	.730	15.6	15.0	11.04	11.04
7-16	1720	--	5.365	4.666	.651	.699	15.3	14.0	9.96	9.96
7-20	1714	--	5.375	4.685	.640	.690	15.4	14.0	9.85	9.85
7-23	1722	--	5.380	4.746	.589	.634	15.4	14.0	9.07	9.07
7-26	1305	--	5.355	4.755	.557	.600	15.4	14.0	8.58	8.58
7-29	1747	--	5.325	4.793	.499	.532	15.2	14.0	7.59	7.59
9-16	1225	--	5.275	4.911	.342	.364	15.2	14.0	5.20	5.20

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 16 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 8.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0075, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2) WATER LEVEL(3) (M)	MEAN ELEVATION(2) ACTIVE BED(4) (M)	MEAN DEPTH CHANNEL WIDE(5) (M)	MEAN DEPTH ACTIVE BED(6) (M)	WIDTH WATER SURFACE(7) (M)	WIDTH ACTIVE BED(8) (M)	FLOW AREA (9) (M^2)	FLOW AREA TOTAL(10) (M^2)
5-13	1529	--	5.656	4.932	0.686	0.724	16.5	14.0	11.32	11.32
5-14	1506	3.74	5.596	4.952	.609	.644	16.3	14.0	9.93	9.93
5-16	1500	2.61	5.516	4.966	.525	.550	16.1	14.0	8.45	8.45
5-19	1514	3.22	5.566	5.035	.512	.531	16.1	14.0	8.24	8.24
5-21	1512	8.31	5.886	4.980	.812	.906	17.8	14.0	14.46	14.46
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1456	9.28	5.902	4.603	1.128	1.299	17.6	14.0	19.86	19.86
5-27	1603	5.67	5.710	4.590	1.007	1.120	16.4	14.0	16.51	16.51
5-28	1540	4.74	5.650	4.594	.968	1.056	16.4	14.0	15.87	15.87
5-30	1408	3.28	5.550	4.589	.881	.961	16.1	14.0	14.19	14.19
6-01	1337	3.22	5.560	4.899	.622	.661	16.0	14.0	9.95	9.95
6-03	1608	3.28	5.560	5.036	.505	.524	16.2	14.0	8.18	8.18
6-05	1422	3.81	5.600	5.051	.531	.549	16.2	14.0	8.60	8.60
6-07	1603	4.51	5.660	5.085	.558	.575	16.4	14.0	9.15	9.15
6-09	1727	13.5	6.146	4.930	1.040	1.216	18.8	14.0	19.55	19.55
6-10	1634	19.3	6.420	4.831	1.173	1.589	22.7	14.0	26.62	26.62
6-11	1725	23.5	6.630	4.609	1.426	2.021	24.4	14.0	34.80	34.80
6-12	1731	30.6	6.758	4.545	1.529	2.213	25.0	14.0	38.22	38.22
6-13	1541	28.3	6.671	4.506	1.469	2.165	25.0	14.0	36.74	36.74
6-14	1630	23.5	6.573	4.572	1.387	2.001	24.0	14.0	33.30	33.30
6-15	1715	--	6.363	4.609	1.325	1.754	21.4	14.0	28.36	28.36
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1427	12.4	6.072	4.670	1.175	1.402	18.7	14.0	21.97	21.97
6-18	1641	18.7	6.410	4.702	1.224	1.708	22.7	14.0	27.79	27.79
6-19	1528	17.0	6.292	4.780	1.193	1.512	20.3	14.0	24.21	24.21
6-20	1602	25.6	6.603	4.752	1.296	1.851	24.5	14.0	31.75	31.75
6-21	1622	21.4	6.460	4.738	1.229	1.722	23.1	14.0	28.39	28.39
6-23	1527	18.9	6.368	4.836	1.182	1.532	21.3	14.0	25.17	25.17
6-25	0925	13.7	6.162	4.878	1.089	1.284	18.7	14.0	20.37	20.37
6-27	0920	12.9	6.112	4.883	1.054	1.229	18.5	14.0	19.50	19.50
6-29	0921	--	5.740	5.062	.640	.678	16.5	14.0	10.56	10.56
7-01	1600	--	6.137	5.048	.947	1.089	18.5	14.0	17.52	17.52
7-03	1617	--	6.006	4.890	.954	1.116	18.4	14.0	17.56	17.56
7-05	0917	--	5.826	4.904	.832	.922	17.1	14.0	14.22	14.22
7-07	1450	--	5.630	5.151	.467	.479	16.3	14.0	7.61	7.61
7-09	1007	--	5.580	5.212	.365	.368	16.2	14.0	5.92	5.92
7-12	1509	--	5.434	5.172	.259	.262	16.1	14.0	4.16	4.16
7-16	1713	--	5.370	5.079	.259	.291	12.8	10.0	3.31	3.31
7-20	1707	--	5.384	5.074	.281	.310	13.6	11.0	3.82	3.82
7-23	1717	--	5.385	5.093	.273	.292	13.4	11.0	3.66	3.66
7-26	1257	--	5.364	5.094	.248	.270	13.6	11.0	3.37	3.37
7-29	1742	--	5.335	5.077	.232	.258	12.6	10.0	2.92	2.92
9-16	1200	--	5.290	5.041	.222	.249	11.2	9.0	2.48	2.48

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 14 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 9.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0137, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1523	--	5.690	5.137	0.554	0.553	18.1	14.0	10.02	10.02
5-14	1700	3.74	5.636	5.165	.475	.471	17.8	14.0	8.46	8.46
5-16	1450	2.61	5.550	5.154	.398	.396	17.8	14.0	7.08	7.08
5-19	1500	3.22	5.620	5.177	.449	.443	17.7	14.0	7.94	7.94
5-21	1503	8.31	5.918	5.158	.719	.760	18.8	14.0	13.52	13.52
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1437	9.28	5.954	5.178	.779	.776	17.8	14.0	13.86	13.86
5-27	1550	5.67	5.776	5.195	.556	.581	18.4	14.0	10.23	10.23
5-28	1534	4.74	5.710	5.165	.524	.545	17.7	14.0	9.27	9.27
5-30	1404	3.28	5.600	5.156	.447	.444	17.5	14.0	7.82	7.82
6-01	1338	3.22	5.600	5.163	.409	.437	17.8	14.0	7.28	7.28
6-03	1557	3.28	5.606	5.159	.454	.447	18.0	14.0	8.16	8.16
6-05	1411	3.81	5.644	5.154	.488	.490	17.9	14.0	8.74	8.74
6-07	1551	4.51	5.700	5.155	.542	.545	18.3	14.0	9.93	9.93
6-09	1730	13.5	6.174	5.158	.969	1.016	19.3	14.0	18.71	18.71
6-10	1700	19.3	6.437	5.163	1.009	1.274	24.0	14.0	24.21	24.21
6-11	1720	23.5	6.670	5.163	1.204	1.507	24.9	14.0	29.99	29.99
6-12	1755	30.6	6.811	5.166	1.342	1.645	25.0	14.0	33.56	33.56
6-13	1521	28.3	6.698	5.151	1.244	1.547	25.0	14.0	31.10	31.10
6-14	1618	23.5	6.597	5.202	1.133	1.395	24.0	14.0	27.19	27.19
6-15	1655	--	6.393	5.194	.938	1.199	24.0	14.0	22.52	22.52
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1444	12.4	6.118	5.180	.902	.938	18.9	14.0	17.05	17.05
6-18	1624	18.7	6.433	5.177	.984	1.256	24.2	14.0	23.82	23.82
6-19	1510	17.0	6.323	5.161	.887	1.162	24.0	14.0	21.28	21.28
6-20	1608	25.6	6.643	5.175	1.187	1.468	24.4	14.0	28.96	28.96
6-21	1602	21.4	6.493	5.190	1.031	1.303	24.3	14.0	25.06	25.06
6-23	1518	18.9	6.400	5.172	.957	1.228	24.1	14.0	23.06	23.06
6-25	0940	13.7	6.218	5.201	.989	1.017	19.2	14.0	18.98	18.98
6-27	0938	12.9	6.168	5.195	.935	.973	19.5	14.0	18.24	18.24
6-29	0932	--	5.814	5.163	.650	.651	18.2	14.0	11.83	11.83
7-01	1555	--	6.178	5.150	.962	1.028	19.7	14.0	18.94	18.94
7-03	1612	--	6.054	5.177	.844	.877	19.3	14.0	16.30	16.30
7-05	0929	--	5.894	5.186	.696	.708	18.7	14.0	13.02	13.02
7-07	1445	--	5.700	5.174	.522	.526	18.8	14.0	9.82	9.82
7-09	1016	--	5.616	5.182	.446	.434	18.0	14.0	8.03	8.03
7-12	1504	--	5.500	5.181	.340	.319	17.6	14.0	5.98	5.98
7-16	1705	--	5.446	5.191	.272	.255	17.7	14.0	4.82	4.82
7-20	1701	--	5.466	5.200	.284	.266	17.7	14.0	5.02	5.02
7-23	1713	--	5.466	5.193	.296	.273	17.6	14.0	5.20	5.20
7-26	1251	--	5.440	5.191	.271	.249	17.6	14.0	4.77	4.77
7-29	1736	--	5.416	5.212	.229	.204	17.6	14.0	4.03	4.03
9-16	1145	--	5.380	5.201	.202	.179	17.3	14.0	3.50	3.50

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 14 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 10.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0178, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1510	--	5.750	5.271	0.450	0.479	17.7	15.0	7.97	7.97
5-14	1700	3.74	5.690	5.273	.394	.417	17.5	15.0	6.90	6.90
5-16	1435	2.61	5.610	5.257	.343	.353	16.8	15.0	5.77	5.77
5-19	1451	3.22	5.676	5.265	.388	.411	17.6	15.0	6.83	6.83
5-21	1459	8.31	5.984	5.267	.627	.717	19.0	15.0	11.90	11.90
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1420	9.28	6.010	5.293	.639	.717	18.9	15.0	12.07	12.07
5-27	1544	5.67	5.830	5.275	.520	.555	17.8	15.0	9.26	9.26
5-28	1530	4.74	5.770	5.267	.469	.503	17.9	15.0	8.39	8.39
5-30	1356	3.28	5.660	5.266	.367	.394	17.6	15.0	6.46	6.46
6-01	1335	3.22	5.660	5.262	.367	.398	17.9	15.0	6.57	6.57
6-03	1542	3.28	5.670	5.264	.380	.406	17.6	15.0	6.69	6.69
6-05	1401	3.81	5.710	5.261	.419	.449	17.8	15.0	7.46	7.46
6-07	1538	4.51	5.770	5.291	.450	.479	17.9	15.0	8.05	8.05
6-09	1709	13.5	6.230	5.294	.793	.936	20.7	15.0	16.42	16.42
6-10	1635	19.3	6.490	5.328	.947	1.162	22.4	15.0	21.22	21.22
6-11	1700	23.5	6.705	5.312	1.142	1.393	23.0	15.0	26.26	26.26
6-12	1735	30.6	6.840	5.279	1.264	1.561	24.0	15.0	30.33	30.33
6-13	1534	28.3	6.740	5.303	1.162	1.437	23.5	15.0	27.32	27.32
6-14	1646	23.5	6.630	5.282	1.118	1.348	22.5	15.0	25.16	25.16
6-15	1656	--	6.445	5.294	.955	1.151	22.0	15.0	21.02	21.02
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1505	12.4	6.170	5.262	.770	.908	20.3	15.0	15.63	15.63
6-18	1635	18.7	6.475	5.270	.958	1.205	22.2	15.0	21.26	21.26
6-19	1455	17.0	6.380	5.295	.927	1.085	20.8	15.0	19.28	19.28
6-20	1549	25.6	6.675	5.307	1.117	1.368	23.0	15.0	25.70	25.70
6-21	1541	21.4	6.540	5.291	1.029	1.249	22.2	15.0	22.84	22.84
6-23	1448	18.9	6.450	5.316	.923	1.134	22.1	15.0	20.40	20.40
6-25	0910	13.7	6.256	5.284	.836	.972	20.6	15.0	17.22	17.22
6-27	0954	12.9	6.226	5.306	.780	.920	20.6	15.0	16.07	16.07
6-29	0939	--	5.870	5.297	.522	.573	18.3	15.0	9.55	9.55
7-01	1543	--	6.230	5.286	.807	.944	20.6	15.0	16.63	16.63
7-03	1600	--	6.110	5.290	.712	.820	20.4	15.0	14.53	14.53
7-05	0935	--	5.950	5.297	.598	.653	19.0	15.0	11.37	11.37
7-07	1339	--	5.760	5.293	.431	.467	18.3	15.0	7.88	7.88
7-09	1022	--	5.670	5.275	.367	.395	17.7	15.0	6.50	6.50
7-12	1458	--	5.546	5.268	.266	.278	16.9	15.0	4.49	4.49
7-16	1658	--	5.476	5.248	.218	.228	15.7	14.0	3.42	3.42
7-20	1655	--	5.500	5.247	.238	.253	15.9	14.0	3.78	3.78
7-23	1709	--	5.506	5.262	.238	.244	16.4	15.0	3.90	3.90
7-26	1248	--	5.480	5.274	.207	.206	16.2	15.0	3.36	3.36
7-29	1734	--	5.450	5.256	.183	.194	15.9	14.0	2.91	2.91
9-16	1131	--	5.400	5.217	.174	.183	13.4	12.0	2.32	2.32

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 11.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0220, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2) WATER LEVEL(3) (M)	MEAN ELEVATION(2) ACTIVE BED(4) (M)	MEAN DEPTH CHANNEL WIDE(5) (M)	MEAN DEPTH ACTIVE BED(6) (M)	WIDTH WATER SURFACE(7) (M)	WIDTH ACTIVE BED(8) (M)	FLOW AREA (9) (M^2)	FLOW AREA TOTAL(10) (M^2)
5-13	1518	--	5.772	5.331	0.432	0.441	17.7	16.0	7.64	7.64
5-14	1646	3.74	5.716	5.335	.372	.381	17.5	16.0	6.51	6.51
5-16	1325	2.61	5.636	5.319	.307	.317	17.4	16.0	5.34	5.34
5-19	1445	3.22	5.700	5.313	.375	.387	17.5	16.0	6.56	6.56
5-21	1450	8.31	6.000	5.343	.632	.657	18.5	16.0	11.69	11.69
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1404	9.28	6.026	5.354	.644	.672	18.4	16.0	11.85	11.85
5-27	1540	5.67	5.846	5.344	.483	.502	17.9	16.0	8.65	8.65
5-28	1525	4.74	5.786	5.342	.431	.444	18.0	16.0	7.75	7.75
5-30	1351	3.28	5.686	5.337	.338	.349	17.6	16.0	5.95	5.95
6-01	1326	3.22	5.676	5.328	.341	.348	17.4	16.0	5.93	5.93
6-03	1539	3.28	5.686	5.321	.356	.365	17.6	16.0	6.26	6.26
6-05	1349	3.81	5.726	5.325	.395	.401	17.6	16.0	6.95	6.95
6-07	1526	4.51	5.796	5.337	.444	.459	17.7	16.0	7.86	7.86
6-09	1710	13.5	6.250	5.365	.835	.885	19.2	16.0	16.04	16.04
6-10	1635	19.3	6.499	5.376	.980	1.123	20.8	16.0	20.39	20.39
6-11	1704	23.5	6.712	5.392	1.115	1.320	22.3	16.0	24.85	24.85
6-12	1749	30.6	6.852	5.379	1.243	1.473	23.0	16.0	28.60	28.60
6-13	1510	28.3	6.759	5.380	1.153	1.379	22.8	16.0	26.29	26.29
6-14	1631	23.5	6.648	5.362	1.106	1.286	21.9	16.0	24.21	24.21
6-15	1641	--	6.454	5.337	1.024	1.117	20.2	16.0	20.68	20.68
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1524	12.4	6.180	5.323	.803	.857	18.8	16.0	15.09	15.09
6-18	1611	18.7	6.488	5.368	1.000	1.120	20.3	16.0	20.30	20.30
6-19	1510	17.0	6.378	5.340	.943	1.038	19.9	16.0	18.77	18.77
6-20	1531	25.6	6.672	5.350	1.090	1.322	22.1	16.0	24.08	24.08
6-21	1525	21.4	6.554	5.344	1.076	1.210	20.6	16.0	22.17	22.17
6-23	1511	18.9	6.458	5.366	.986	1.092	20.3	16.0	20.02	20.02
6-25	0921	13.7	6.274	5.369	.852	.905	19.2	16.0	16.35	16.35
6-27	1010	12.9	6.246	5.319	.870	.927	18.9	16.0	16.45	16.45
6-29	0945	--	5.890	5.340	.533	.550	18.0	16.0	9.60	9.60
7-01	1537	--	6.240	5.326	.850	.914	19.2	16.0	16.32	16.32
7-03	1554	--	6.120	5.345	.726	.775	19.1	16.0	13.87	13.87
7-05	0942	--	5.970	5.332	.613	.638	18.3	16.0	11.23	11.23
7-07	1435	--	5.776	5.335	.429	.441	17.6	16.0	7.55	7.55
7-09	1030	--	5.686	5.324	.351	.362	17.6	16.0	6.17	6.17
7-12	1454	--	5.566	5.305	.255	.261	17.2	16.0	4.39	4.39
7-16	1651	--	5.500	5.311	.184	.189	17.2	16.0	3.16	3.16
7-20	1650	--	5.520	5.308	.205	.212	17.4	16.0	3.57	3.57
7-23	1705	--	5.530	5.323	.202	.207	17.2	16.0	3.47	3.47
7-26	1242	--	5.500	5.309	.186	.191	17.3	16.0	3.22	3.22
7-29	1726	--	5.470	5.320	.146	.150	17.3	16.0	2.53	2.53
9-16	1116	--	5.420	5.301	.116	.119	17.1	16.0	1.98	1.98

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 16 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 12.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0257, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1500	--	5.793	5.082	0.593	0.711	13.5	10.0	8.01	8.01
5-14	1745	3.74	5.734	5.095	.554	.639	12.6	10.0	6.98	6.98
5-16	1420	2.61	5.654	5.079	.517	.575	11.9	10.0	6.15	6.15
5-19	1440	3.22	5.724	5.134	.510	.590	12.6	10.0	6.43	6.43
5-21	1444	8.31	6.033	5.121	.798	.912	13.1	10.0	10.45	10.68
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1347	9.28	6.053	5.107	.866	.946	12.7	10.0	10.99	11.13
5-27	1534	5.67	5.864	5.087	.670	.777	13.2	10.0	8.84	8.84
5-28	1515	4.74	5.814	5.080	.637	.734	12.9	10.0	8.21	8.21
5-30	1342	3.28	5.704	5.091	.529	.613	13.0	10.0	6.88	6.88
6-01	1325	3.22	5.700	5.082	.534	.618	12.9	10.0	6.89	6.89
6-03	1522	3.28	5.714	5.126	.513	.588	12.7	10.0	6.51	6.51
6-05	1317	3.81	5.754	5.142	.537	.612	12.8	10.0	6.87	6.87
6-07	1517	4.51	5.824	5.125	.618	.699	12.8	10.0	7.91	7.91
6-09	1649	13.5	6.280	5.124	1.065	1.156	13.1	10.0	13.95	14.93
6-10	1604	19.3	6.534	5.137	1.230	1.397	14.0	10.0	17.22	20.44
6-11	1643	23.5	6.742	5.088	1.307	1.654	16.0	10.0	20.92	26.99
6-12	1714	30.6	6.882	5.103	1.483	1.779	16.0	10.0	23.72	31.47
6-13	1525	28.3	6.782	5.092	1.352	1.690	16.0	10.0	21.63	27.68
6-14	1610	23.5	6.682	5.092	1.268	1.590	16.0	10.0	20.28	25.17
6-15	1624	--	6.490	5.109	1.257	1.381	13.5	10.0	16.96	19.30
6-16	1218	10.3	6.152	5.078	1.001	1.074	12.8	10.0	12.81	13.13
6-17	1536	12.4	6.202	5.085	1.042	1.117	13.0	10.0	13.55	14.20
6-18	1651	18.7	6.507	5.080	1.268	1.427	14.0	10.0	17.75	20.37
6-19	1455	17.0	6.414	5.093	1.201	1.321	13.6	10.0	16.33	17.88
6-20	1507	25.6	6.702	5.125	1.272	1.577	16.0	10.0	20.36	25.71
6-21	1554	21.4	6.582	5.114	1.293	1.468	14.5	10.0	18.75	22.38
6-23*	1509	18.9	6.494	5.102	1.250	1.392	14.0	10.0	17.51	17.51
6-25	0940	13.7	6.310	5.105	1.095	1.205	13.0	10.0	14.23	15.23
6-27	1022	12.9	6.267	5.070	1.115	1.197	12.7	10.0	14.16	15.18
6-29	0952	--	5.914	5.073	.764	.841	12.9	10.0	9.86	9.86
7-01	1528	--	6.264	5.133	1.013	1.131	13.1	10.0	13.28	14.25
7-03	1547	--	6.149	5.095	.947	1.054	12.9	10.0	12.21	12.73
7-05	0948	--	5.980	5.068	.829	.912	13.0	10.0	10.78	10.78
7-07	1429	--	5.794	5.097	.625	.697	12.6	10.0	7.88	7.88
7-09	1035	--	5.714	5.102	.541	.612	12.9	10.0	6.98	6.98
7-12	1450	--	5.584	5.135	.402	.449	12.3	10.0	4.94	4.94
7-16	1646	--	5.530	5.200	.304	.330	11.8	10.0	3.59	3.59
7-20	1645	--	5.550	5.237	.286	.313	12.3	10.0	3.51	3.51
7-23	1701	--	5.550	5.232	.290	.318	12.3	10.0	3.57	3.57
7-26	1238	--	5.524	5.243	.258	.281	12.1	10.0	3.12	3.12
7-29	1723	--	5.490	5.226	.244	.264	11.8	10.0	2.88	2.88
9-16	1102	--	5.440	5.218	.206	.222	11.9	10.0	2.45	2.45

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 10 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.
* HYDRAULIC-GEOMETRY VALUES SHOWN ARE ESTIMATED.

TABLE 13.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0301, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1500	--	5.810	5.060	0.700	0.750	12.7	11.0	8.88	8.88
5-14	1635	3.74	5.750	5.115	.608	.635	12.5	11.0	7.60	7.60
5-16	1407	2.61	5.670	5.161	.489	.509	12.2	11.0	5.97	5.97
5-19	1430	3.22	5.755	5.182	.555	.573	12.2	11.0	6.77	6.77
5-21	1437	8.31	6.080	5.089	.896	.991	13.3	11.0	11.91	12.07
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1330	9.28	6.090	5.031	.976	1.059	13.0	11.0	12.69	12.99
5-27	1528	5.67	5.880	5.025	.818	.855	12.5	11.0	10.22	10.22
5-28	1512	4.74	5.820	5.060	.727	.760	12.4	11.0	9.02	9.02
5-30	1343	3.28	5.720	5.115	.581	.605	12.4	11.0	7.21	7.21
6-01	1345	3.22	5.725	5.193	.508	.532	12.5	11.0	6.35	6.35
6-03	1515	3.28	5.745	5.213	.519	.532	12.6	11.0	6.54	6.54
6-05	1311	3.81	5.795	5.193	.578	.602	12.7	11.0	7.34	7.34
6-07	1503	4.51	5.860	5.162	.661	.698	12.6	11.0	8.32	8.32
6-09	1655	13.5	6.341	5.051	1.135	1.290	14.0	11.0	15.89	17.09
6-10	1615	19.3	6.596	5.059	1.387	1.537	14.0	11.0	19.42	21.58
6-11	1640	23.5	6.810	5.004	1.462	1.806	15.9	11.0	23.25	27.90
6-12	1700	30.6	6.941	4.979	1.567	1.962	16.0	11.0	25.08	31.52
6-13	1459	28.3	6.835	4.975	1.513	1.860	15.9	11.0	24.06	29.11
6-14	1543	23.5	6.747	5.017	1.414	1.730	15.4	11.0	21.77	25.14
6-15	1600	--	6.552	5.010	1.299	1.542	14.9	11.0	19.36	21.19
6-16	1200	10.3	6.206	5.010	1.073	1.196	13.6	11.0	14.59	15.12
6-17	1555	12.4	6.246	5.031	1.045	1.215	14.1	11.0	14.74	15.47
6-18	1635	18.7	6.582	5.025	1.326	1.557	14.8	11.0	19.62	21.90
6-19	1435	17.0	6.482	5.073	1.255	1.409	14.2	11.0	17.82	19.49
6-20	1535	25.6	6.765	5.025	1.100	1.740	21.1	11.0	23.21	26.91
6-21	1534	21.4	6.646	5.064	1.350	1.582	15.0	11.0	20.24	22.76
6-23	1444	18.9	6.556	5.054	1.287	1.502	14.8	11.0	19.04	20.96
6-25	0955	13.7	6.371	5.051	1.148	1.320	14.3	11.0	16.41	17.74
6-27	0902	12.9	6.302	5.124	1.019	1.178	14.3	11.0	14.57	15.50
6-29	1000	--	5.941	5.170	.731	.771	12.7	11.0	9.29	9.29
7-01	1519	--	6.331	5.055	1.111	1.276	14.2	11.0	15.78	16.91
7-03	1537	--	6.196	5.114	.943	1.082	14.2	11.0	13.39	14.07
7-05	0954	--	6.026	5.128	.838	.898	12.9	11.0	10.81	10.81
7-07	1424	--	5.820	5.119	.674	.701	12.3	11.0	8.29	8.29
7-09	1042	--	5.730	5.209	.522	.521	12.0	11.0	6.26	6.26
7-12	1444	--	5.615	5.294	.329	.321	12.2	11.0	4.01	4.01
7-16	1638	--	5.560	5.292	.283	.268	12.2	11.0	3.45	3.45
7-20	1641	--	5.580	5.289	.297	.291	12.1	11.0	3.59	3.59
7-23	1656	--	5.580	5.257	.327	.323	12.1	11.0	3.96	3.96
7-26	1231	--	5.540	5.268	.270	.272	12.1	11.0	3.27	3.27
7-29	1717	--	5.510	5.277	.233	.233	12.1	11.0	2.82	2.82
9-16	1021	--	5.460	5.245	.228	.215	11.8	11.0	2.69	2.69

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 11 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 14.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0348, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1446	--	5.846	5.360	0.457	0.486	17.7	16.0	8.08	8.08
5-14	1625	3.74	5.790	5.389	.382	.401	17.2	16.0	6.56	6.56
5-16	1354	2.61	5.720	5.378	.325	.342	17.1	16.0	5.55	5.55
5-19	1424	3.22	5.790	5.353	.412	.437	17.3	16.0	7.13	7.13
5-21	1430	8.31	6.120	5.328	.739	.792	18.0	16.0	13.31	13.31
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1227	9.28	6.120	5.257	.804	.863	18.1	16.0	14.56	14.56
5-27	1515	5.67	5.904	5.375	.488	.529	18.1	16.0	8.83	8.83
5-28	1510	4.74	5.854	5.447	.376	.407	18.0	16.0	6.77	6.77
5-30	1336	3.28	5.770	5.438	.314	.332	17.5	16.0	5.49	5.49
6-01	1310	3.22	5.770	5.441	.311	.329	17.5	16.0	5.44	5.44
6-03	1505	3.28	5.790	5.405	.362	.385	17.6	16.0	6.38	6.38
6-05	1252	3.81	5.830	5.409	.392	.421	17.9	16.0	7.02	7.02
6-07	1453	4.51	5.900	5.366	.495	.534	18.0	16.0	8.91	8.91
6-09	1640	13.5	6.384	5.276	1.024	1.108	18.7	16.0	19.14	19.14
6-10	1612	19.3	6.628	5.256	1.256	1.372	19.1	16.0	23.99	23.99
6-11	1619	23.5	6.838	5.198	1.495	1.640	19.4	16.0	29.01	29.01
6-12	1644	30.6	6.964	5.199	1.585	1.765	20.0	16.0	31.70	31.70
6-13	1440	28.3	6.871	5.226	1.487	1.645	19.7	16.0	29.29	29.29
6-14	1555	23.5	6.786	5.297	1.374	1.489	19.0	16.0	26.11	26.11
6-15	1636	--	6.572	5.326	1.163	1.246	18.8	16.0	21.87	21.87
6-16	1145	10.3	6.228	5.364	.826	.864	17.9	16.0	14.79	14.79
6-17	1615	12.4	6.276	5.477	.749	.799	18.8	16.0	14.08	14.08
6-18	1614	18.7	6.622	5.451	1.097	1.171	18.9	16.0	20.73	20.73
6-19	1437	17.0	6.522	5.443	1.012	1.079	18.8	16.0	19.02	19.02
6-20	1518	25.6	6.822	5.362	1.358	1.460	18.9	16.0	25.67	25.67
6-21	1515	21.4	6.692	5.358	1.246	1.334	18.8	16.0	23.42	23.42
6-23	1420	18.9	6.592	5.375	1.136	1.217	18.7	16.0	21.24	21.24
6-25	1017	13.7	6.412	5.442	.915	.970	18.7	16.0	17.12	17.12
6-27	0920	12.9	6.348	5.430	.858	.918	18.9	16.0	16.22	16.22
6-29	1006	--	5.978	5.435	.516	.543	18.2	16.0	9.39	9.39
7-01	1509	--	6.372	5.427	.887	.945	18.9	16.0	16.76	16.76
7-03	1528	--	6.238	5.399	.788	.839	18.7	16.0	14.73	14.73
7-05	1002	--	6.054	5.350	.663	.704	18.5	16.0	12.26	12.26
7-07	1417	--	5.850	5.398	.427	.452	18.2	16.0	7.76	7.76
7-09	1047	--	5.780	5.391	.367	.389	18.2	16.0	6.68	6.68
7-12	1437	--	5.666	5.389	.263	.277	17.8	16.0	4.68	4.68
7-16	1632	--	5.596	5.371	.213	.225	17.6	16.0	3.75	3.75
7-20	1634	--	5.610	5.359	.236	.251	17.7	16.0	4.17	4.17
7-23	1651	--	5.606	5.360	.231	.246	17.7	16.0	4.09	4.09
7-26	1223	--	5.566	5.361	.192	.205	17.6	16.0	3.38	3.38
7-29	1711	--	5.546	5.337	.187	.209	16.4	14.0	3.07	3.07
9-16	1005	--	5.498	5.311	.179	.187	13.6	12.0	2.43	2.43

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 16 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 15.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0421, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1430	--	5.915	5.591	0.322	0.324	25.4	23.0	8.17	8.17
5-14	1605	3.74	5.861	5.557	.308	.304	21.4	20.0	6.60	6.60
5-16	1340	2.61	5.781	5.445	.315	.336	18.2	16.0	5.74	5.74
5-19	1415	3.22	5.835	5.457	.344	.378	20.1	17.0	6.91	6.91
5-21	1421	8.31	6.140	5.554	.566	.586	25.7	23.0	14.54	14.54
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1159	9.28	6.210	5.750	.442	.460	25.5	23.0	11.26	11.26
5-27	1504	5.67	6.030	5.722	.316	.308	24.3	23.0	7.68	7.68
5-28	1458	4.74	5.980	5.698	.283	.282	23.6	22.0	6.68	6.68
5-30	1332	3.28	5.885	5.670	.223	.215	23.4	23.0	5.21	5.21
6-01	1310	3.22	5.865	5.630	.217	.235	24.7	21.0	5.35	5.35
6-03	1458	3.28	5.865	5.620	.223	.245	24.7	21.0	5.51	5.51
6-05	1248	3.81	5.895	5.614	.279	.281	24.8	23.0	6.91	6.91
6-07	1437	4.51	5.950	5.621	.321	.329	25.3	23.0	8.13	8.13
6-09	1623	13.5	6.430	5.669	.745	.761	25.9	23.0	19.29	19.29
6-10	1550	19.3	6.675	5.688	.935	.987	27.1	23.0	25.34	25.34
6-11	1630	23.5	6.895	5.758	1.064	1.137	27.8	23.0	29.57	29.57
6-12	1707	30.6	7.009	5.801	1.140	1.208	27.7	23.0	31.58	31.58
6-13	1453	28.3	6.935	5.809	1.066	1.126	27.5	23.0	29.32	29.32
6-14	1531	23.5	6.849	5.782	1.013	1.067	27.8	23.0	28.15	28.15
6-15	1615	--	6.655	5.823	.789	.832	27.3	23.0	21.55	21.55
6-16	1119	10.3	6.334	5.781	.531	.553	26.0	23.0	13.80	13.80
6-17	1632	12.4	6.370	5.755	.594	.615	26.0	23.0	15.44	15.44
6-18	1551	18.7	6.705	5.744	.905	.961	27.5	23.0	24.88	24.88
6-19	1416	17.0	6.595	5.770	.782	.825	27.4	23.0	21.43	21.43
6-20	1450	25.6	6.885	5.772	1.068	1.113	27.7	23.0	29.57	29.57
6-21	1502	21.4	6.755	5.805	.901	.950	27.6	23.0	24.88	24.88
6-23	1359	18.9	6.660	5.755	.859	.905	27.4	23.0	23.55	23.55
6-25	1033	13.7	6.495	5.744	.716	.751	27.0	23.0	19.33	19.33
6-27	0932	12.9	6.415	5.682	.717	.733	26.1	23.0	18.71	18.71
6-29	1020	--	6.050	5.663	.378	.387	25.6	23.0	9.67	9.67
7-01	1500	--	6.425	5.653	.741	.772	26.7	23.0	19.79	19.79
7-03	1516	--	6.280	5.651	.621	.629	25.9	23.0	16.08	16.08
7-05	1009	--	6.115	5.643	.466	.472	25.8	23.0	12.01	12.01
7-07	1407	--	5.925	5.612	.311	.313	25.5	23.0	7.94	7.94
7-09	1053	--	5.840	5.542	.286	.298	23.8	21.0	6.80	6.80
7-12	1429	--	5.725	5.430	.272	.295	16.4	14.0	4.46	4.46
7-16	1625	--	5.660	5.403	.247	.257	14.1	13.0	3.49	3.49
7-20	1628	--	5.660	5.398	.244	.262	14.7	13.0	3.59	3.59
7-23	1645	--	5.655	5.398	.245	.257	14.5	13.0	3.56	3.56
7-26	1217	--	5.630	5.408	.233	.222	14.3	14.0	3.33	3.33
7-29	1707	--	5.605	5.355	.217	.250	13.7	11.0	2.97	2.97
9-16	0945	--	5.560	5.350	.194	.210	12.7	11.0	2.46	2.46

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 23 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 16.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0460, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2) WATER LEVEL(3) (M)	MEAN ELEVATION(2) ACTIVE BED(4) (M)	MEAN DEPTH CHANNEL WIDE(5) (M)	MEAN DEPTH ACTIVE BED(6) (M)	WIDTH WATER SURFACE(7) (M)	WIDTH ACTIVE BED(8) (M)	FLOW AREA (9) (M^2)	FLOW AREA TOTAL(10) (M^2)
5-13	1430	--	5.955	5.474	0.461	0.481	17.9	16.0	8.25	8.25
5-14	1600	3.74	5.895	5.497	.383	.398	17.7	16.0	6.78	6.78
5-16	1335	2.61	5.825	5.487	.312	.338	17.0	15.0	5.31	5.31
5-19	1409	3.22	5.875	5.500	.369	.375	17.3	16.0	6.38	6.38
5-21	1415	8.31	6.165	5.472	.627	.693	19.1	16.0	11.98	11.98
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1148	9.28	6.260	5.519	.659	.741	19.4	16.0	12.79	12.79
5-27	1458	5.67	6.075	5.521	.513	.554	18.4	16.0	9.44	9.44
5-28	1500	4.74	6.025	5.515	.485	.510	18.0	16.0	8.73	8.73
5-30	1322	3.28	5.940	5.521	.402	.419	17.7	16.0	7.11	7.11
6-01	1300	3.22	5.920	5.526	.386	.394	17.7	16.0	6.82	6.82
6-03	1453	3.28	5.920	5.522	.381	.398	17.7	16.0	6.75	6.75
6-05	1225	3.81	5.940	5.516	.406	.424	17.7	16.0	7.18	7.18
6-07	1427	4.51	5.995	5.519	.448	.476	18.1	16.0	8.10	8.10
6-09	1620	13.5	6.440	5.464	.865	.976	20.1	16.0	17.38	17.38
6-10	1555	19.3	6.701	5.504	1.044	1.197	21.0	16.0	21.93	21.93
6-11	1609	23.5	6.924	5.526	1.116	1.398	24.2	16.0	27.01	27.01
6-12	1647	30.6	7.049	5.545	1.205	1.504	24.5	16.0	29.53	29.53
6-13	1432	28.3	6.989	5.524	1.166	1.465	24.2	16.0	28.21	28.21
6-14	1516	23.5	6.884	5.507	1.080	1.377	24.1	16.0	26.04	26.04
6-15	1557	--	6.706	5.499	1.035	1.207	21.4	16.0	22.16	22.16
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1620	12.4	6.405	5.481	.805	.924	20.1	16.0	16.18	16.18
6-18	1538	18.7	6.726	5.458	1.095	1.268	21.3	16.0	23.33	23.33
6-19	1358	17.0	6.626	5.486	1.003	1.140	20.7	16.0	20.77	20.77
6-20	1430	25.6	6.899	5.448	1.154	1.451	24.1	16.0	27.81	27.81
6-21	1433	21.4	6.791	5.487	1.118	1.304	21.4	16.0	23.92	23.92
6-23	1427	18.9	6.691	5.455	1.064	1.236	21.1	16.0	22.45	22.45
6-25	1000	13.7	6.515	5.455	.922	1.060	20.4	16.0	18.82	18.82
6-27	0949	12.9	6.445	5.447	.875	.998	20.3	16.0	17.76	17.76
6-29	1031	--	6.090	5.455	.588	.635	18.4	16.0	10.81	10.81
7-01	1454	--	6.451	5.441	.894	1.010	20.2	16.0	18.06	18.06
7-03	1507	--	6.315	5.462	.779	.853	19.3	16.0	15.03	15.03
7-05	1016	--	6.145	5.466	.630	.679	18.6	16.0	11.73	11.73
7-07	1403	--	5.970	5.478	.468	.492	17.8	16.0	8.33	8.33
7-09	1101	--	5.890	5.473	.409	.417	17.4	16.0	7.11	7.11
7-12	1422	--	5.780	5.464	.309	.316	16.2	15.0	5.01	5.01
7-16	1621	--	5.720	5.433	.285	.287	14.6	14.0	4.17	4.17
7-20	1620	--	5.720	5.412	.268	.308	15.7	13.0	4.20	4.20
7-23	1639	--	5.720	5.419	.263	.301	15.6	13.0	4.10	4.10
7-26	1208	--	5.705	5.415	.266	.290	14.7	13.0	3.91	3.91
7-29	1658	--	5.685	5.413	.250	.272	14.6	13.0	3.64	3.64
9-16	0933	--	5.635	5.392	.214	.243	14.1	12.0	3.01	3.01

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 16 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 17.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0516, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1421	--	5.980	5.340	0.595	0.640	17.4	15.0	10.36	10.36
5-14	1545	3.74	5.934	5.367	.530	.567	17.0	15.0	9.01	9.01
5-16	1325	2.61	5.850	5.369	.452	.481	16.8	15.0	7.60	7.60
5-19	1400	3.22	5.906	5.369	.508	.537	16.7	15.0	8.49	8.49
5-21	1414	8.31	6.200	5.340	.789	.860	17.8	15.0	14.04	14.04
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1136	9.28	6.293	5.353	.877	.940	17.7	15.0	15.52	15.52
5-27	1445	5.67	6.093	5.378	.656	.715	17.8	15.0	11.68	11.68
5-28	1453	4.74	6.043	5.367	.620	.676	17.7	15.0	10.97	10.97
5-30	1319	3.28	5.954	5.378	.533	.576	17.4	15.0	9.27	9.27
6-01	1257	3.22	5.944	5.376	.524	.568	17.5	15.0	9.16	9.16
6-03	1437	3.28	5.940	5.377	.519	.563	17.4	15.0	9.02	9.02
6-05	1220	3.81	5.963	5.375	.538	.588	17.6	15.0	9.48	9.48
6-07	1417	4.51	6.014	5.367	.593	.647	17.5	15.0	10.38	10.38
6-09	1603	13.5	6.470	5.373	1.005	1.097	18.6	15.0	18.70	18.70
6-10	1530	19.3	6.730	5.327	1.280	1.403	18.8	15.0	24.06	24.06
6-11	1556	23.5	6.960	5.283	1.408	1.677	20.9	15.0	29.42	29.42
6-12	1720	30.6	7.048	5.334	1.451	1.714	21.0	15.0	30.47	30.47
6-13	1450	28.3	7.010	5.374	1.361	1.636	21.0	15.0	28.58	28.58
6-14	1500	23.5	6.924	5.410	1.298	1.514	20.6	15.0	26.74	26.74
6-15	1537	--	6.740	5.373	1.255	1.367	18.7	15.0	23.46	23.46
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1607	12.4	6.433	5.337	.994	1.096	18.5	15.0	18.38	18.38
6-18	1603	18.7	6.750	5.323	1.308	1.427	18.8	15.0	24.59	24.59
6-19	1410	17.0	6.653	5.325	1.215	1.328	18.6	15.0	22.60	22.60
6-20	1411	25.6	6.926	5.286	1.384	1.640	20.7	15.0	28.65	28.65
6-21	1454	21.4	6.820	5.303	1.309	1.517	20.1	15.0	26.32	26.32
6-23	1410	18.9	6.710	5.282	1.307	1.428	18.7	15.0	24.44	24.44
6-25	1025	13.7	6.540	5.297	1.139	1.243	18.5	15.0	21.08	21.08
6-27	1002	12.9	6.480	5.272	1.098	1.208	18.6	15.0	20.43	20.43
6-29	1038	--	6.113	5.297	.754	.816	17.6	15.0	13.27	13.27
7-01	1448	--	6.470	5.310	1.050	1.160	18.7	15.0	19.64	19.64
7-03	1459	--	6.350	5.334	.915	1.016	18.4	15.0	16.84	16.84
7-05	1023	--	6.173	5.287	.808	.886	18.0	15.0	14.54	14.54
7-07	1357	--	5.994	5.345	.602	.649	17.5	15.0	10.53	10.53
7-09	1110	--	5.910	5.361	.513	.549	17.3	15.0	8.88	8.88
7-12	1418	--	5.800	5.376	.406	.424	16.7	15.0	6.79	6.79
7-16	1612	--	5.730	5.359	.354	.371	16.6	15.0	5.87	5.87
7-20	1617	--	5.736	5.358	.362	.378	16.7	15.0	6.04	6.04
7-23	1637	--	5.730	5.363	.351	.367	16.7	15.0	5.86	5.86
7-26	1204	--	5.710	5.359	.337	.351	16.6	15.0	5.60	5.60
7-29	1654	--	5.700	5.371	.317	.329	16.6	15.0	5.25	5.25
9-16	0855	--	5.647	5.343	.296	.304	16.3	15.0	4.83	4.83

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 18.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0556, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1410	--	5.990	5.245	0.619	0.745	16.4	13.0	10.15	10.15
5-14	1600	3.74	5.930	5.253	.573	.677	16.0	13.0	9.16	9.16
5-16	1320	2.61	5.860	5.273	.495	.587	15.7	13.0	7.78	7.78
5-19	1352	3.22	5.910	5.312	.484	.598	15.9	13.0	7.70	7.70
5-21	1404	8.31	6.225	5.339	.745	.886	16.3	13.0	12.14	12.14
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1145	9.28	6.310	5.242	.896	1.068	16.7	13.0	14.96	14.96
5-27	1444	5.67	6.105	5.232	.723	.873	16.4	13.0	11.86	11.86
5-28	1439	4.74	6.055	5.239	.681	.816	16.2	13.0	11.04	11.04
5-30	1320	3.28	5.960	5.193	.638	.767	16.1	13.0	10.26	10.26
6-01	1258	3.22	5.950	5.183	.638	.767	16.0	13.0	10.21	10.21
6-03	1432	3.28	5.950	5.187	.637	.763	16.1	13.0	10.26	10.26
6-05	1207	3.81	5.970	5.170	.671	.800	16.1	13.0	10.81	10.81
6-07	1406	4.51	6.025	5.172	.712	.853	16.4	13.0	11.68	11.68
6-09	1605	13.5	6.509	5.256	1.079	1.253	17.0	13.0	18.35	18.35
6-10	1530	19.3	6.774	5.292	1.261	1.482	17.7	13.0	22.32	22.32
6-11	1536	23.5	7.004	5.306	1.293	1.698	20.0	13.0	25.85	25.85
6-12	1655	30.6	7.104	5.301	1.378	1.803	20.4	13.0	28.12	28.12
6-13	1450	28.3	7.070	5.268	1.374	1.802	20.0	13.0	27.49	27.49
6-14	1445	23.5	6.959	5.176	1.412	1.783	19.3	13.0	27.25	27.25
6-15	1550	--	6.770	5.155	1.329	1.615	17.8	13.0	23.66	23.66
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1554	12.4	6.455	5.077	1.217	1.378	16.8	13.0	20.45	20.45
6-18	1553	18.7	6.785	5.063	1.489	1.722	17.7	13.0	26.35	26.35
6-19	0400	17.0	6.685	5.129	1.319	1.556	17.5	13.0	23.09	23.09
6-20	1452	25.6	6.974	5.149	1.430	1.825	19.5	13.0	27.89	27.89
6-21	1438	21.4	6.849	5.211	1.331	1.638	18.6	13.0	24.76	24.76
6-23	1354	18.9	6.739	5.194	1.296	1.545	18.0	13.0	23.33	23.33
6-25	1048	13.7	6.569	5.196	1.154	1.373	17.4	13.0	20.08	20.08
6-27	1020	12.9	6.509	5.175	1.152	1.334	17.1	13.0	19.71	19.71
6-29	1053	--	6.125	5.189	.805	.936	16.6	13.0	13.36	13.36
7-01	1438	--	6.495	5.209	1.130	1.286	17.0	13.0	19.21	19.21
7-03	1450	--	6.369	5.390	.873	.979	16.8	13.0	14.66	14.66
7-05	1039	--	6.185	5.285	.782	.900	16.5	13.0	12.90	12.90
7-07	1348	--	5.995	5.279	.621	.716	16.1	13.0	10.01	10.01
7-09	1115	--	5.910	5.295	.594	.615	15.8	13.0	9.39	9.39
7-12	1410	--	5.800	5.066	.661	.734	11.7	9.0	7.74	7.74
7-16	1405	--	5.750	5.064	.635	.686	11.2	9.0	7.11	7.11
7-20	1608	--	5.734	5.051	.635	.683	11.1	9.0	7.05	7.05
7-23	1630	--	5.726	5.063	.622	.663	11.1	9.0	6.90	6.90
7-26	1153	--	5.710	5.066	.612	.644	10.9	9.0	6.67	6.67
7-29	1644	--	5.700	5.087	.606	.613	10.5	9.0	6.36	6.36
9-16	0840	--	5.640	4.989	.582	.651	10.2	8.0	5.94	5.94

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 13 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 19.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0602, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1412	--	6.000	5.486	0.472	0.514	19.2	16.0	9.05	9.05
5-14	1334	3.74	5.947	5.51B	.396	.429	18.6	16.0	7.37	7.37
5-16	1310	2.61	5.870	5.503	.349	.367	18.0	16.0	6.28	6.28
5-19	1345	3.22	5.920	5.495	.399	.425	18.2	16.0	7.26	7.26
5-21	1355	8.31	6.250	5.493	.657	.757	20.8	16.0	13.67	13.67
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1115	9.28	6.314	5.270	.903	1.044	20.5	16.0	18.51	18.51
5-27	1430	5.67	6.110	5.347	.663	.763	20.0	16.0	13.27	13.27
5-28	1433	4.74	6.060	5.367	.607	.693	19.7	16.0	11.95	11.95
5-30	1312	3.28	5.960	5.373	.542	.587	18.2	16.0	9.87	9.87
6-01	1246	3.22	5.950	5.395	.509	.555	18.6	16.0	9.46	9.46
6-03	1422	3.28	5.950	5.418	.477	.532	18.8	16.0	8.96	8.96
6-05	1202	3.81	5.973	5.437	.487	.536	18.8	16.0	9.16	9.16
6-07	1351	4.51	6.034	5.515	.465	.519	19.4	16.0	9.03	9.03
6-09	1539	13.5	6.528	5.530	.862	.998	21.9	16.0	18.89	18.89
6-10	1510	19.3	6.794	5.423	1.161	1.371	22.8	16.0	26.48	26.48
6-11	1558	23.5	7.040	5.383	1.320	1.657	25.0	16.0	33.01	33.01
6-12	1605	30.6	7.133	5.301	1.483	1.832	25.0	16.0	37.09	37.09
6-13	1415	28.3	7.063	5.268	1.437	1.795	25.0	16.0	35.94	35.94
6-14	1423	23.5	6.966	5.253	1.340	1.713	25.0	16.0	33.50	33.50
6-15	1525	--	6.774	5.208	1.291	1.566	22.8	16.0	29.45	29.45
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1540	12.4	6.460	5.247	1.053	1.213	20.9	16.0	22.01	22.01
6-18	1524	18.7	6.784	5.211	1.285	1.573	23.2	16.0	29.82	29.82
6-19	1335	17.0	6.694	5.214	1.232	1.480	22.2	16.0	27.35	27.35
6-20	1420	25.6	6.966	5.206	1.366	1.760	25.0	16.0	34.16	34.16
6-21	1421	21.4	6.857	5.222	1.246	1.635	25.0	16.0	31.14	31.14
6-23	1335	18.9	6.730	5.273	1.216	1.457	22.3	16.0	27.11	27.11
6-25	1100	13.7	6.580	5.362	1.025	1.218	21.9	16.0	22.46	22.46
6-27	1036	12.9	6.524	5.432	.926	1.092	21.7	16.0	20.09	20.09
6-29	1054	--	6.130	5.463	.590	.667	19.6	16.0	11.57	11.57
7-01	1432	--	6.514	5.500	.878	1.014	21.4	16.0	18.80	18.80
7-03	1442	--	6.394	5.465	.812	.929	21.0	16.0	17.06	17.06
7-05	1042	--	6.204	5.483	.635	.721	20.3	16.0	12.89	12.89
7-07	1341	--	6.010	5.521	.460	.489	18.3	16.0	8.42	8.42
7-09	1129	--	5.920	5.523	.380	.397	18.0	16.0	6.84	6.84
7-12	1405	--	5.810	5.533	.269	.277	17.6	16.0	4.74	4.74
7-16	1602	--	5.750	5.542	.204	.208	17.5	16.0	3.57	3.57
7-20	1606	--	5.760	5.543	.213	.217	17.6	16.0	3.75	3.75
7-23	1628	--	5.760	5.528	.227	.232	17.6	16.0	3.99	3.99
7-26	1151	--	5.726	5.517	.207	.209	17.6	16.0	3.64	3.64
7-29	1635	--	5.716	5.525	.189	.191	17.5	16.0	3.31	3.31
9-16	0825	--	5.666	5.515	.151	.151	17.5	16.0	2.65	2.65

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 16 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 20.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0653, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1400	--	6.020	5.371	0.583	0.649	14.0	12.0	8.16	8.16
5-14	1535	3.74	5.967	5.407	.508	.560	13.8	12.0	7.01	7.01
5-16	1305	2.61	5.880	5.404	.436	.476	13.5	12.0	5.88	5.88
5-19	1339	3.22	5.940	5.417	.488	.523	13.3	12.0	6.49	6.49
5-21	1355	8.31	6.267	5.387	.798	.880	14.2	12.0	11.34	11.34
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1105	9.28	6.332	5.375	.858	.957	14.6	12.0	12.53	12.53
5-27	1426	5.67	6.126	5.400	.653	.726	14.0	12.0	9.15	9.15
5-28	1422	4.74	6.077	5.387	.620	.690	14.0	12.0	8.68	8.68
5-30	1303	3.28	5.977	5.408	.513	.569	13.9	12.0	7.13	7.13
6-01	1241	3.22	5.967	5.447	.475	.520	13.7	12.0	6.51	6.51
6-03	1408	3.28	5.970	5.468	.454	.502	13.9	12.0	6.31	6.31
6-05	1150	3.81	6.000	5.465	.489	.535	13.7	12.0	6.69	6.69
6-07	1337	4.51	6.070	5.498	.515	.572	14.1	12.0	7.27	7.27
6-09	1540	13.5	6.562	5.424	1.032	1.138	14.8	12.0	15.27	16.01
6-10	1528	19.3	6.828	5.411	1.316	1.417	15.1	12.0	19.88	22.12
6-11	1535	23.5	7.056	5.332	1.235	1.724	20.0	12.0	24.70	28.63
6-12	1545	30.6	7.171	5.346	1.329	1.825	20.0	12.0	26.59	31.69
6-13	1410	28.3	7.086	5.317	1.271	1.769	20.0	12.0	25.42	29.81
6-14	1408	23.5	6.985	5.344	1.214	1.641	19.0	12.0	23.06	26.44
6-15	1505	--	6.792	5.347	1.287	1.445	15.4	12.0	19.82	21.80
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1518	12.4	6.476	5.378	.986	1.098	14.9	12.0	14.69	15.26
6-18	1532	18.7	6.815	5.371	1.320	1.444	15.2	12.0	20.07	22.24
6-19	1317	17.0	6.712	5.365	1.222	1.347	14.9	12.0	18.21	19.71
6-20	1407	25.6	6.992	5.341	1.295	1.651	18.0	12.0	23.31	26.80
6-21	1400	21.4	6.883	5.357	1.352	1.526	15.7	12.0	21.23	23.71
6-23	1317	18.9	6.765	5.345	1.281	1.420	15.0	12.0	19.21	21.02
6-25	1120	13.7	6.612	5.383	1.113	1.229	14.9	12.0	16.59	17.43
6-27	1059	12.9	6.552	5.392	1.046	1.160	15.1	12.0	15.79	16.38
6-29	1102	--	6.138	5.396	.666	.742	14.4	12.0	9.59	9.59
7-01	1425	--	6.543	5.404	1.050	1.139	14.6	12.0	15.34	16.07
7-03	1435	--	6.416	5.395	.928	1.021	14.6	12.0	13.56	13.84
7-05	1053	--	6.226	5.399	.734	.827	14.6	12.0	10.72	10.72
7-07	1335	--	6.027	5.382	.590	.645	13.8	12.0	8.14	8.14
7-09	1132	--	5.940	5.399	.496	.541	13.5	12.0	6.70	6.70
7-12	1358	--	5.820	5.398	.394	.422	13.1	12.0	5.16	5.16
7-16	1556	--	5.760	5.395	.343	.365	12.9	12.0	4.43	4.43
7-20	1556	--	5.770	5.398	.348	.372	13.0	12.0	4.53	4.53
7-23	1621	--	5.770	5.391	.357	.379	12.9	12.0	4.61	4.61
7-26	1144	--	5.740	5.389	.337	.351	12.6	12.0	4.24	4.24
7-29	1624	--	5.730	5.401	.319	.329	12.4	12.0	3.96	3.96
9-16	0803	--	5.680	5.407	.274	.273	12.2	12.0	3.34	3.34

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 12 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 21.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0708, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1354	--	6.070	5.524	0.530	0.546	17.6	16.0	9.33	9.33
5-14	1515	3.74	6.020	5.547	.458	.473	17.7	16.0	8.10	8.10
5-16	1255	2.61	5.946	5.541	.389	.405	17.8	16.0	6.92	6.92
5-19	1330	3.22	6.000	5.539	.443	.461	17.7	16.0	7.84	7.84
5-21	1346	8.31	6.316	5.592	.698	.724	18.1	16.0	12.64	12.64
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1055	9.28	6.370	5.537	.802	.833	18.0	16.0	14.43	14.43
5-27	1409	5.67	6.160	5.515	.618	.645	18.0	16.0	11.13	11.13
5-28	1410	4.74	6.110	5.521	.566	.589	17.9	16.0	10.13	10.13
5-30	1300	3.28	6.020	5.583	.422	.437	17.8	16.0	7.52	7.52
6-01	1236	3.22	6.014	5.636	.368	.378	17.8	16.0	6.55	6.55
6-03	1355	3.28	6.030	5.665	.360	.365	17.9	16.0	6.44	6.44
6-05	1141	3.81	6.066	5.671	.391	.395	17.9	16.0	6.99	6.99
6-07	1321	4.51	6.130	5.645	.476	.485	17.8	16.0	8.47	8.47
6-09	1520	13.5	6.632	5.596	.984	1.036	19.1	16.0	18.79	18.79
6-10	1456	19.3	6.886	5.578	1.175	1.308	20.3	16.0	23.85	23.85
6-11	1539	23.5	7.106	5.535	1.279	1.571	22.7	16.0	29.03	29.03
6-12	1515	30.6	7.216	5.528	1.373	1.688	23.2	16.0	31.86	31.86
6-13	1342	28.3	7.142	5.534	1.319	1.608	23.0	16.0	30.34	30.34
6-14	1346	23.5	7.036	5.560	1.215	1.476	22.4	16.0	27.21	27.21
6-15	1515	--	6.840	5.538	1.174	1.302	20.1	16.0	23.60	23.60
6-16	1059	10.3	6.486	5.512	.920	.974	18.4	16.0	16.93	16.93
6-17	1501	12.4	6.526	5.545	.926	.981	18.4	16.0	17.04	17.04
6-18	1512	18.7	6.859	5.564	1.163	1.295	20.2	16.0	23.50	23.50
6-19	1300	17.0	6.766	5.555	1.134	1.211	19.4	16.0	22.00	22.00
6-20	1335	25.6	7.042	5.563	1.214	1.479	22.4	16.0	27.19	27.19
6-21	1341	21.4	6.936	5.541	1.229	1.395	20.6	16.0	25.33	25.33
6-23	1338	18.9	6.822	5.538	1.182	1.284	19.7	16.0	23.29	23.29
6-25	1104	13.7	6.656	5.544	1.027	1.112	19.2	16.0	19.72	19.72
6-27	1121	12.9	6.606	5.554	.985	1.052	19.2	16.0	18.92	18.92
6-29	1108	--	6.190	5.539	.634	.651	17.9	16.0	11.35	11.35
7-01	1419	--	6.582	5.593	.937	.989	19.1	16.0	17.90	17.90
7-03	1429	--	6.466	5.542	.876	.924	18.8	16.0	16.46	16.46
7-05	1101	--	6.266	5.504	.733	.762	18.1	16.0	13.28	13.28
7-07	1329	--	6.070	5.516	.536	.554	17.8	16.0	9.54	9.54
7-09	1138	--	5.990	5.504	.477	.486	17.2	16.0	8.20	8.20
7-12	1353	--	5.860	5.511	.338	.349	17.3	16.0	5.84	5.84
7-16	1547	--	5.790	5.503	.275	.287	17.3	16.0	4.76	4.76
7-20	1337	--	5.800	5.504	.283	.296	17.5	16.0	4.95	4.95
7-23	1615	--	5.804	5.507	.283	.297	17.4	16.0	4.92	4.92
7-26	1138	--	5.774	5.514	.249	.260	17.3	16.0	4.31	4.31
7-29	1619	--	5.760	5.509	.241	.251	17.4	16.0	4.19	4.19
9-15	1755	--	5.710	5.500	.202	.210	17.1	16.0	3.46	3.46

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 16 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 22.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0757, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2) WATER LEVEL(3) (M)	MEAN ELEVATION(2) ACTIVE BED(4) (M)	MEAN DEPTH CHANNEL WIDE(5) (M)	MEAN DEPTH ACTIVE BED(6) (M)	WIDTH WATER SURFACE(7) (M)	WIDTH ACTIVE BED(8) (M)	FLOW AREA (9) (M^2)	FLOW AREA TOTAL(10) (M^2)
5-13	1348	--	6.085	5.541	0.510	0.544	18.5	15.0	9.44	9.44
5-14	1515	3.74	6.035	5.550	.435	.485	18.1	15.0	7.88	7.88
5-16	1250	2.61	5.960	5.566	.356	.394	17.7	15.0	6.30	6.30
5-19	1323	3.22	6.025	5.541	.426	.484	18.1	15.0	7.72	7.72
5-21	1332	8.31	6.355	5.524	.751	.831	18.9	15.0	14.20	14.20
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1039	9.28	6.405	5.592	.740	.813	19.1	15.0	14.14	14.14
5-27	1409	5.67	6.190	5.689	.466	.501	18.8	15.0	8.76	8.76
5-28	1402	4.74	6.145	5.680	.427	.465	18.9	15.0	8.07	8.07
5-30	1248	3.28	6.075	5.703	.335	.372	19.0	15.0	6.36	6.36
6-01	1230	3.22	6.065	5.703	.316	.362	19.1	15.0	6.03	6.03
6-03	1350	3.28	6.075	5.656	.360	.419	19.0	15.0	6.83	6.83
6-05	1131	3.81	6.100	5.646	.396	.454	18.9	15.0	7.48	7.48
6-07	1237	4.51	6.175	5.557	.536	.618	19.0	15.0	10.18	10.18
6-09	1520	13.5	6.655	5.486	1.050	1.169	19.8	15.0	20.80	20.80
6-10	1505	19.3	6.917	5.450	.995	1.467	28.4	15.0	28.26	28.26
6-11	1507	23.5	7.130	5.470	1.161	1.660	29.0	15.0	33.66	33.66
6-12	1510	30.6	7.253	5.480	1.276	1.773	29.0	15.0	37.00	37.00
6-13	1320	28.3	7.160	5.485	1.178	1.675	29.0	15.0	34.17	34.17
6-14	1311	23.5	7.077	5.465	1.124	1.612	28.9	15.0	32.47	32.47
6-15	1453	--	6.877	5.487	.908	1.390	29.1	15.0	26.43	26.43
6-16	1035	10.3	6.515	5.521	.891	.994	19.2	15.0	17.10	17.10
6-17	1445	12.4	6.565	5.658	.836	.907	19.6	15.0	16.38	16.38
6-18	1451	18.7	6.893	5.574	.868	1.319	29.3	15.0	25.45	25.45
6-19	1245	17.0	6.806	5.508	.900	1.298	26.6	15.0	23.95	23.95
6-20	1313	25.6	7.067	5.483	1.113	1.584	28.7	15.0	31.93	31.93
6-21	1322	21.4	6.960	5.509	.989	1.451	28.6	15.0	28.29	28.29
6-23	1320	18.9	6.856	5.505	.944	1.351	27.0	15.0	25.48	25.48
6-25	1121	13.7	6.690	5.508	1.072	1.182	19.6	15.0	21.01	21.01
6-27	1135	12.9	6.640	5.508	1.015	1.132	19.6	15.0	19.89	19.89
6-29	1115	--	6.215	5.653	.518	.562	19.0	15.0	9.85	9.85
7-01	1412	--	6.625	5.533	.982	1.092	20.0	15.0	19.64	19.64
7-03	1422	--	6.485	5.452	.920	1.033	19.3	15.0	17.76	17.76
7-05	1109	--	6.275	5.456	.715	.819	19.1	15.0	13.67	13.67
7-07	1215	--	6.085	5.570	.447	.515	19.0	15.0	8.48	8.48
7-09	1148	--	6.000	5.557	.383	.443	18.8	15.0	7.20	7.20
7-12	1347	--	5.880	5.530	.321	.350	15.8	14.0	5.07	5.07
7-16	1523	--	5.810	5.533	.264	.277	15.1	14.0	3.98	3.98
7-20	1533	--	5.830	5.524	.290	.306	15.5	14.0	4.50	4.50
7-23	1610	--	5.830	5.490	.324	.340	15.2	14.0	4.93	4.93
7-26	1133	--	5.800	5.506	.288	.294	15.0	14.0	4.31	4.31
7-29	1558	--	5.780	5.501	.275	.279	15.1	14.0	4.15	4.15
9-15	1730	--	5.730	5.481	.245	.249	14.8	14.0	3.63	3.63

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 23.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0808, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1348	--	6.148	5.805	0.327	0.343	16.4	15.0	5.36	5.68
5-14	1510	3.74	6.105	5.804	.285	.301	16.4	15.0	4.67	4.67
5-16	1247	2.61	6.051	5.779	.257	.272	16.4	15.0	4.22	4.22
5-19	1315	3.22	6.105	5.795	.294	.310	16.3	15.0	4.79	4.79
5-21	1330	8.31	6.366	5.776	.547	.590	17.1	15.0	9.36	9.80
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1012	9.28	6.425	5.838	.435	.587	19.4	15.0	8.44	8.80
5-27	1357	5.67	6.245	5.858	.370	.387	16.7	15.0	6.18	6.18
5-28	1356	4.74	6.209	5.841	.353	.368	16.5	15.0	5.82	5.82
5-30	1246	3.28	6.129	5.837	.277	.292	16.5	15.0	4.57	4.57
6-01	1228	3.22	6.112	5.805	.290	.307	16.3	15.0	4.73	4.73
6-03	1340	3.28	6.119	5.805	.295	.314	16.5	15.0	4.87	4.87
6-05	1126	3.81	6.139	5.791	.331	.348	16.4	15.0	5.43	5.43
6-07	1228	4.51	6.206	5.792	.387	.414	16.8	15.0	6.50	6.50
6-09	1455	13.5	6.674	5.774	.812	.900	18.1	15.0	14.69	16.02
6-10	1440	19.3	6.924	5.765	1.011	1.159	19.1	15.0	19.31	21.92
6-11	1510	23.5	7.140	5.773	1.194	1.367	20.0	15.0	23.88	28.76
6-12	1616	30.6	7.262	5.829	1.272	1.433	20.0	15.0	25.45	31.61
6-13	1414	28.3	7.171	5.825	1.193	1.346	20.0	15.0	23.87	29.02
6-14	1517	23.5	7.081	5.865	1.070	1.216	20.0	15.0	21.40	25.30
6-15	1437	--	6.890	5.884	.910	1.006	18.5	15.0	16.83	19.27
6-16	1013	10.3	6.546	5.887	.603	.659	17.8	15.0	10.73	11.55
6-17	1427	12.4	6.580	5.858	.653	.722	17.9	15.0	11.69	12.57
6-18	1437	18.7	6.894	5.835	.966	1.059	18.6	15.0	17.96	20.35
6-19	1330	17.0	6.814	5.832	.895	.982	18.2	15.0	16.29	18.59
6-20	1248	25.6	7.066	5.872	1.031	1.194	20.0	15.0	20.62	24.25
6-21	1303	21.4	6.974	5.876	.963	1.098	19.5	15.0	18.78	21.82
6-23	1300	18.9	6.860	5.848	.919	1.012	18.5	15.0	16.99	19.30
6-25	1144	13.7	6.716	5.844	.793	.872	18.2	15.0	14.43	16.11
6-27	1155	12.9	6.654	5.825	.745	.829	18.2	15.0	13.55	15.36
6-29	1130	--	6.265	5.828	.410	.437	16.9	15.0	6.93	7.11
7-01	1402	--	6.650	5.786	.785	.864	18.0	15.0	14.13	15.98
7-03	1420	--	6.510	5.771	.675	.739	17.6	15.0	11.89	13.22
7-05	1118	--	6.322	5.808	.484	.514	16.9	15.0	8.18	8.83
7-07	1209	--	6.154	5.798	.343	.356	16.2	15.0	5.55	5.55
7-09	1154	--	6.084	5.801	.277	.283	15.8	15.0	4.38	4.38
7-12	1342	--	5.971	5.764	.202	.207	13.7	13.0	2.77	2.77
7-16	1515	--	5.920	5.757	.162	.163	12.5	12.0	2.02	2.02
7-20	1327	--	5.940	5.759	.179	.181	12.5	12.0	2.24	2.24
7-23	1405	--	5.930	5.742	.185	.188	12.5	12.0	2.32	2.32
7-26	1127	--	5.910	5.760	.162	.150	12.4	12.0	2.01	2.01
7-29	1550	--	5.890	5.755	.137	.135	12.3	12.0	1.68	1.68
9-15	1722	--	5.850	5.747	.117	.103	12.0	12.0	1.40	1.40

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 24.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0853, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1335	--	6.246	5.917	0.303	0.329	20.9	18.0	6.32	6.32
5-14	1500	3.74	6.206	5.940	.254	.266	20.0	18.0	5.08	5.08
5-16	1240	2.61	6.145	5.889	.230	.256	17.5	15.0	4.03	4.03
5-19	1308	3.22	6.196	5.932	.250	.264	20.1	18.0	5.02	5.02
5-21	1326	8.31	6.457	5.934	.453	.523	23.6	18.0	10.70	10.70
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	1024	9.28	6.536	6.063	.444	.473	23.0	18.0	10.20	10.20
5-27	1349	5.67	6.356	5.997	.314	.359	23.0	18.0	7.22	7.22
5-28	1350	4.74	6.306	5.989	.286	.317	22.4	18.0	6.41	6.41
5-30	1239	3.28	6.216	5.933	.267	.283	20.4	18.0	5.45	5.45
6-01	1225	3.22	6.181	5.888	.254	.293	18.6	15.0	4.72	4.72
6-03	1333	3.28	6.191	5.906	.260	.285	18.8	16.0	4.89	4.89
6-05	1120	3.81	6.216	5.922	.269	.294	21.1	18.0	5.67	5.67
6-07	1219	4.51	6.286	5.920	.325	.366	22.0	18.0	7.15	7.15
6-09	1500	13.5	6.731	5.929	.745	.802	23.3	18.0	17.37	17.37
6-10	1448	19.3	6.983	6.024	.913	.959	23.6	18.0	21.56	21.56
6-11	1435	23.5	7.197	6.108	1.052	1.089	24.0	18.0	25.24	25.24
6-12	1547	30.6	7.303	6.206	1.073	1.097	24.0	18.0	25.76	25.76
6-13	1340	28.3	7.232	6.220	.992	1.012	24.0	18.0	23.80	23.80
6-14	1445	23.5	7.148	6.186	.943	.962	23.7	18.0	22.35	22.35
6-15	1440	--	6.977	6.163	.786	.814	23.7	18.0	18.63	18.63
6-16	0948	10.3	6.667	6.133	.515	.534	23.2	18.0	11.96	11.96
6-17	1408	12.4	6.666	6.062	.577	.604	23.2	18.0	13.40	13.40
6-18	1403	18.7	6.946	6.061	.837	.885	23.6	18.0	19.76	19.76
6-19	1313	17.0	6.893	6.141	.728	.752	23.6	18.0	17.18	17.18
6-20	1345	25.6	7.158	6.126	1.004	1.032	23.8	18.0	23.89	23.89
6-21	1402	21.4	7.048	6.137	.879	.911	23.6	18.0	20.74	20.74
6-23	1238	18.9	6.933	6.113	.789	.820	23.7	18.0	18.70	18.70
6-25	1201	13.7	6.797	6.067	.688	.730	23.5	18.0	16.16	16.16
6-27	1050	12.9	6.716	6.032	.659	.684	23.5	18.0	15.49	15.49
6-29	1148	--	6.346	5.946	.351	.400	23.2	18.0	8.14	8.14
7-01	1453	--	6.701	5.921	.721	.780	23.5	18.0	16.94	16.94
7-03	1409	--	6.581	5.991	.552	.590	23.3	18.0	12.85	12.85
7-05	1123	--	6.406	5.969	.397	.437	23.2	18.0	9.20	9.20
7-07	1158	--	6.236	5.928	.282	.308	21.2	18.0	5.99	5.99
7-09	1159	--	6.170	5.871	.259	.299	18.6	15.0	4.81	4.81
7-12	1332	--	6.070	5.869	.187	.201	16.7	15.0	3.12	3.12
7-16	1510	--	6.020	5.833	.165	.187	15.4	13.0	2.54	2.54
7-20	1522	--	6.040	5.838	.189	.202	15.8	14.0	2.98	2.98
7-23	1600	--	6.040	5.835	.190	.205	15.9	14.0	3.02	3.02
7-26	1121	--	6.020	5.831	.177	.189	15.6	14.0	2.76	2.76
7-29	1544	--	6.000	5.812	.174	.188	13.5	12.0	2.34	2.34
9-15	1700	--	5.970	5.806	.160	.164	12.7	12.0	2.03	2.03

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 18 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 25.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0898, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1326	--	6.326	5.848	0.455	0.478	15.2	14.0	6.91	6.91
5-14	1455	3.74	6.286	5.865	.405	.421	15.0	14.0	6.08	6.08
5-16	1236	2.61	6.230	5.858	.354	.372	15.0	14.0	5.31	5.31
5-19	1305	3.22	6.286	5.856	.414	.430	15.0	14.0	6.21	6.21
5-21	1313	8.31	6.518	5.862	.606	.656	15.9	14.0	9.63	9.63
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	0953	9.28	6.623	5.871	.677	.752	16.6	14.0	11.25	11.25
5-27	1340	5.67	6.433	5.881	.514	.552	15.7	14.0	8.07	8.07
5-28	1359	4.74	6.386	5.865	.495	.521	15.4	14.0	7.63	7.63
5-30	1233	3.28	6.276	5.875	.385	.401	15.1	14.0	5.81	5.81
6-01	1220	3.22	6.266	5.866	.389	.400	15.0	14.0	5.83	5.83
6-03	1325	3.28	6.276	5.864	.397	.412	15.1	14.0	5.99	5.99
6-05	1114	3.81	6.296	5.859	.417	.437	15.3	14.0	6.38	6.38
6-07	1211	4.51	6.363	5.862	.472	.501	15.6	14.0	7.37	7.37
6-09	1437	13.5	6.770	5.842	.799	.928	17.9	14.0	14.30	14.30
6-10	1424	19.3	7.011	5.846	.802	1.165	24.1	14.0	19.32	19.32
6-11	1444	23.5	7.238	5.854	.914	1.384	27.1	14.0	24.78	24.78
6-12	1524	30.6	7.342	5.852	1.018	1.490	27.4	14.0	27.88	27.88
6-13	1319	28.3	7.283	5.850	.944	1.433	27.5	14.0	25.95	25.95
6-14	1421	23.5	7.188	5.844	.891	1.344	26.7	14.0	23.79	23.79
6-15	1425	--	7.013	5.847	.809	1.166	24.3	14.0	19.65	19.65
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1355	12.4	6.730	5.847	.765	.883	17.6	14.0	13.47	13.47
6-18	1350	18.7	6.998	5.830	.799	1.168	24.0	14.0	19.18	19.18
6-19	1257	17.0	6.931	5.842	.791	1.089	22.0	14.0	17.41	17.41
6-20	1330	25.6	7.178	5.838	.888	1.340	26.6	14.0	23.61	23.61
6-21	1343	21.4	7.076	5.834	.857	1.242	24.7	14.0	21.18	21.18
6-23	1225	18.9	6.960	5.839	.821	1.121	22.1	14.0	18.15	18.15
6-25	1225	13.7	6.840	5.858	.782	.982	19.7	14.0	15.40	15.40
6-27	1110	12.9	6.770	5.851	.787	.919	17.9	14.0	14.08	14.08
6-29	1152	--	6.419	5.841	.544	.578	15.5	14.0	8.43	8.43
7-01	1345	--	6.746	5.849	.770	.897	17.9	14.0	13.79	13.79
7-03	1402	--	6.636	5.853	.717	.783	16.4	14.0	11.75	11.75
7-05	1132	--	6.473	5.853	.567	.620	16.0	14.0	9.07	9.07
7-07	1152	--	6.326	5.858	.440	.468	15.3	14.0	6.73	6.73
7-09	1205	--	6.270	5.864	.386	.406	15.1	14.0	5.84	5.84
7-12	1327	--	6.186	5.866	.309	.320	14.9	14.0	4.61	4.61
7-16	1504	--	6.144	5.865	.268	.279	14.8	14.0	3.96	3.96
7-20	1516	--	6.160	5.864	.284	.296	14.9	14.0	4.23	4.23
7-23	1556	--	6.164	5.862	.291	.302	14.8	14.0	4.30	4.30
7-26	1116	--	6.140	5.864	.266	.276	14.7	14.0	3.90	3.90
7-29	1540	--	6.130	5.866	.255	.264	14.9	14.0	3.80	3.80
9-15	1645	--	6.094	5.842	.232	.252	14.6	13.0	3.39	3.39

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 14 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 26.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0940, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1320	--	6.354	5.789	0.521	0.565	16.9	15.0	8.80	8.80
5-14	1445	3.74	6.308	5.801	.475	.507	16.5	15.0	7.84	7.84
5-16	1223	2.61	6.244	5.800	.436	.444	15.5	15.0	6.76	6.76
5-19	1250	3.22	6.298	5.768	.491	.530	16.4	15.0	8.06	8.06
5-21	1311	8.31	6.547	5.762	.688	.785	17.8	15.0	12.25	12.25
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	0937	9.28	6.650	5.933	.625	.717	18.8	15.0	11.74	11.74
5-27	1331	5.67	6.464	5.922	.493	.542	17.3	15.0	8.53	8.53
5-28	1445	4.74	6.414	5.887	.479	.527	17.1	15.0	8.19	8.19
5-30	1231	3.28	6.298	5.851	.421	.447	16.2	15.0	6.82	6.82
6-01	1210	3.22	6.288	5.815	.441	.473	16.5	15.0	7.28	7.28
6-03	1316	3.28	6.288	5.799	.458	.489	16.4	15.0	7.51	7.51
6-05	1109	3.81	6.308	5.789	.486	.519	16.3	15.0	7.93	7.93
6-07	1203	4.51	6.384	5.783	.550	.601	16.8	15.0	9.23	9.23
6-09	1420	13.5	6.797	5.725	.895	1.072	20.0	15.0	17.89	17.89
6-10	1415	19.3	7.047	5.758	1.000	1.289	22.5	15.0	22.51	22.51
6-11	1412	23.5	7.267	5.856	1.143	1.411	23.0	15.0	26.29	26.29
6-12	1456	30.6	7.411	5.845	1.292	1.566	23.0	15.0	29.71	29.71
6-13	1348	28.3	7.324	5.855	1.201	1.469	23.2	15.0	27.85	27.85
6-14	1359	23.5	7.233	5.905	1.096	1.328	22.8	15.0	24.98	24.98
6-15	1406	--	7.050	5.917	.908	1.133	22.7	15.0	20.62	20.62
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1334	12.4	6.757	5.859	.764	.898	19.5	15.0	14.89	14.89
6-18	1459	18.7	7.050	5.822	.990	1.228	22.6	15.0	22.37	22.37
6-19	1237	17.0	6.960	5.824	.869	1.136	22.4	15.0	19.47	19.47
6-20	1310	25.6	7.224	5.839	1.109	1.385	23.2	15.0	25.72	25.72
6-21	1323	21.4	7.127	5.841	1.013	1.286	22.9	15.0	23.19	23.19
6-23	1258	18.9	7.000	5.825	.907	1.175	22.7	15.0	20.59	20.59
6-25	1145	13.7	6.870	5.819	.844	1.051	21.2	15.0	17.89	17.89
6-27	1124	12.9	6.810	5.826	.830	.984	19.7	15.0	16.35	16.35
6-29	1158	--	6.444	5.771	.609	.673	17.2	15.0	10.48	10.48
7-01	1337	--	6.774	5.743	.859	1.031	19.7	15.0	16.93	16.93
7-03	1350	--	6.664	5.745	.778	.919	19.0	15.0	14.78	14.78
7-05	1137	--	6.504	5.742	.684	.762	17.5	15.0	11.97	11.97
7-07	1147	--	6.348	5.749	.556	.599	16.6	15.0	9.22	9.22
7-09	1210	--	6.290	5.734	.525	.556	16.2	15.0	8.50	8.50
7-12	1322	--	6.200	5.703	.460	.497	15.4	14.0	7.08	7.08
7-16	1501	--	6.160	5.672	.460	.488	14.1	13.0	6.48	6.48
7-20	1511	--	6.180	5.671	.479	.509	14.1	13.0	6.75	6.75
7-23	1551	--	6.180	5.684	.459	.496	14.4	13.0	6.62	6.62
7-26	1111	--	6.155	5.674	.449	.481	14.2	13.0	6.38	6.38
7-29	1535	--	6.135	5.670	.438	.465	14.0	13.0	6.14	6.14
9-15	1630	--	6.105	5.667	.426	.438	13.6	13.0	5.80	5.80

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 27.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 0985, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1320	--	6.396	5.926	0.454	0.470	19.0	18.0	8.62	8.62
5-14	1440	3.74	6.346	5.942	.404	.404	18.2	18.0	7.36	7.36
5-16	1225	2.61	6.280	5.914	.365	.366	17.4	17.0	6.35	6.35
5-19	1251	3.22	6.333	5.926	.407	.407	18.2	18.0	7.41	7.41
5-21	1305	8.31	6.601	5.906	.600	.695	22.2	18.0	13.31	13.31
5-22	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--
5-26	0926	9.28	6.705	5.942	.632	.763	23.2	18.0	14.65	14.65
5-27	1325	5.67	6.516	5.939	.531	.577	20.2	18.0	10.72	10.72
5-28	1234	4.74	6.452	5.910	.508	.542	19.7	18.0	10.01	10.01
5-30	1240	3.28	6.337	5.901	.428	.436	17.6	17.0	7.53	7.53
6-01	1210	3.22	6.327	5.910	.411	.417	17.5	17.0	7.19	7.19
6-03	1310	3.28	6.330	5.913	.409	.417	17.5	17.0	7.15	7.15
6-05	1103	3.81	6.353	5.928	.426	.425	18.1	18.0	7.71	7.71
6-07	1158	4.51	6.422	5.924	.474	.498	19.3	18.0	9.14	9.14
6-09	1435	13.5	6.856	5.905	.758	.951	25.5	18.0	19.33	19.33
6-10	1411	19.3	7.090	5.912	.816	1.178	32.6	18.0	26.60	26.60
6-11	1433	23.5	7.320	5.906	1.005	1.414	34.1	18.0	34.28	34.28
6-12	1422	30.6	7.450	5.900	1.077	1.550	35.6	18.0	38.35	38.35
6-13	1316	28.3	7.370	5.993	.965	1.377	34.5	18.0	33.30	33.30
6-14	1341	23.5	7.290	5.959	.914	1.331	33.9	18.0	30.99	30.99
6-15	1338	--	7.127	5.957	.803	1.170	32.9	18.0	26.42	26.42
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1311	12.4	6.815	5.930	.708	.885	25.0	18.0	17.71	17.71
6-18	1417	18.7	7.094	5.894	.830	1.200	32.9	18.0	27.30	27.30
6-19	1145	17.0	7.013	5.928	.750	1.085	32.1	18.0	24.07	24.07
6-20	1244	25.6	7.243	5.862	.974	1.381	33.9	18.0	33.02	33.02
6-21	1253	21.4	7.167	5.939	.867	1.228	33.4	18.0	28.97	28.97
6-23	1237	18.9	7.050	5.909	.802	1.141	32.5	18.0	26.08	26.08
6-25	1207	13.7	6.927	5.888	.709	1.039	31.8	18.0	22.56	22.56
6-27	1143	12.9	6.870	5.893	.811	.977	25.5	18.0	20.67	20.67
6-29	1204	--	6.485	5.892	.518	.593	22.7	18.0	11.77	11.77
7-01	1327	--	6.826	5.883	.791	.943	25.3	18.0	20.00	20.00
7-03	1346	--	6.715	5.888	.714	.827	24.0	18.0	17.13	17.13
7-05	1147	--	6.550	5.891	.582	.659	22.8	18.0	13.27	13.27
7-07	1139	--	6.396	5.892	.463	.504	21.5	18.0	9.97	9.97
7-09	1215	--	6.326	5.890	.404	.436	20.9	18.0	8.44	8.44
7-12	1316	--	6.226	5.892	.305	.334	20.7	18.0	6.32	6.32
7-16	1456	--	6.176	5.890	.264	.286	20.5	18.0	5.42	5.42
7-20	1505	--	6.190	5.887	.279	.303	20.6	18.0	5.74	5.74
7-23	1546	--	6.190	5.897	.271	.293	20.6	18.0	5.58	5.58
7-26	1106	--	6.166	5.890	.255	.276	20.5	18.0	5.23	5.23
7-29	1532	--	6.156	5.888	.248	.268	20.5	18.0	5.09	5.09
9-15	1615	--	6.116	5.881	.214	.235	20.3	18.0	4.35	4.35

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 18 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 28.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1038, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2) WATER LEVEL(3) (M)	MEAN ELEVATION(2) ACTIVE BED(4) (M)	MEAN DEPTH CHANNEL WIDE(5) (M)	MEAN DEPTH ACTIVE BED(6) (M)	WIDTH WATER SURFACE(7) (M)	WIDTH ACTIVE BED(8) (M)	FLOW AREA (9) (M^2)	FLOW AREA TOTAL(10) (M^2)
5-13	1220	--	6.426	5.925	0.478	0.501	18.2	17.0	8.69	8.69
5-14	1432	3.74	6.367	5.932	.403	.435	17.5	16.0	7.06	7.06
5-16	1145	2.61	6.297	5.865	.418	.432	14.6	14.0	6.10	6.10
5-19	1215	3.22	6.356	5.926	.407	.430	17.1	16.0	6.96	6.96
5-21	1253	8.31	6.632	5.952	.588	.680	21.0	17.0	12.34	12.34
5-22	1750	16.7	6.942	5.951	.834	.991	22.6	17.0	18.84	18.84
5-24	1721	26.2	7.256	5.753	1.235	1.503	23.5	17.0	29.02	29.02
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1315	5.67	6.536	5.819	.681	.717	18.3	17.0	12.46	12.46
5-28	1231	4.74	6.483	5.758	.663	.725	17.9	16.0	11.86	11.86
5-30	1147	3.28	6.363	5.732	.570	.631	16.8	15.0	9.57	9.57
6-01	1139	3.22	6.343	5.730	.564	.613	16.5	15.0	9.30	9.30
6-03	1306	3.28	6.347	5.731	.559	.616	16.7	15.0	9.34	9.34
6-05	1059	3.81	6.377	5.771	.569	.606	17.2	16.0	9.79	9.79
6-07	1146	4.51	6.457	5.751	.648	.706	17.7	16.0	11.48	11.48
6-09	1400	13.5	6.888	5.824	.878	1.064	22.3	17.0	19.57	19.57
6-10	1402	19.3	7.122	5.857	1.051	1.265	23.2	17.0	24.37	24.37
6-11	1355	23.5	7.344	5.936	1.195	1.408	23.8	17.0	28.44	28.44
6-12	1350	30.6	7.508	5.794	1.437	1.714	24.2	17.0	34.77	34.77
6-13	1214	28.3	7.423	5.682	1.434	1.741	24.4	17.0	34.98	34.98
6-14	1143	23.5	7.318	5.644	1.397	1.674	23.6	17.0	32.98	32.98
6-15	1358	--	7.146	5.612	1.267	1.534	23.3	17.0	29.52	29.52
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1302	12.4	6.842	5.673	.981	1.169	22.0	17.0	21.58	21.58
6-18	1350	18.7	7.108	5.679	1.199	1.429	23.2	17.0	27.81	27.81
6-19	1115	17.0	7.043	5.743	1.077	1.300	23.0	17.0	24.76	24.76
6-20	1154	25.6	7.248	5.681	1.308	1.567	23.6	17.0	30.86	30.86
6-21	1211	21.4	7.182	5.722	1.205	1.460	23.5	17.0	28.32	28.32
6-23	1220	18.9	7.078	5.703	1.132	1.375	23.1	17.0	26.15	26.15
6-25	1225	13.7	6.948	5.761	.976	1.187	22.6	17.0	22.06	22.06
6-27	1200	12.9	6.882	5.731	.968	1.151	21.9	17.0	21.19	21.19
6-29	1212	--	6.506	5.732	.698	.774	19.3	17.0	13.47	13.47
7-01	1317	--	6.852	5.717	.949	1.135	21.9	17.0	20.79	20.79
7-03	1332	--	6.742	5.733	.858	1.009	21.1	17.0	18.10	18.10
7-05	1154	--	6.566	5.859	.638	.707	19.5	17.0	12.44	12.44
7-07	1130	--	6.406	5.882	.487	.524	18.6	17.0	9.06	9.06
7-09	1224	--	6.337	5.773	.514	.564	15.5	14.0	7.97	7.97
7-12	1230	--	6.237	5.737	.483	.500	13.5	13.0	6.51	6.51
7-16	1450	--	6.187	5.698	.470	.489	12.6	12.0	5.92	5.92
7-20	1502	--	6.197	5.694	.477	.503	12.8	12.0	6.10	6.10
7-23	1543	--	6.207	5.697	.476	.510	13.0	12.0	6.19	6.19
7-26	1103	--	6.177	5.651	.471	.526	12.5	11.0	5.89	5.89
7-29	1525	--	6.157	5.658	.446	.499	12.5	11.0	5.58	5.58
9-15	1540	--	6.127	5.655	.443	.472	11.8	11.0	5.23	5.23

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 17 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 29.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1077, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1213	--	6.454	6.013	0.441	0.441	22.6	21.0	9.96	9.96
5-14	1350	3.74	6.404	6.020	.381	.384	22.3	21.0	8.49	8.49
5-16	1145	2.61	6.320	6.018	.300	.302	22.3	21.0	6.68	6.68
5-19	1202	3.22	6.384	6.010	.369	.374	22.1	21.0	8.15	8.15
5-21	1233	8.31	6.670	5.997	.584	.673	26.5	21.0	15.49	15.49
5-22	1745	16.7	6.973	5.968	.887	1.005	27.8	21.0	24.65	24.65
5-24	1710	26.2	7.284	5.794	1.249	1.490	30.0	21.0	37.46	37.46
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1309	5.67	6.540	5.799	.723	.741	22.4	21.0	16.20	16.20
5-28	1216	4.74	6.500	5.795	.687	.705	22.3	21.0	15.33	15.33
5-30	1146	3.28	6.364	5.793	.550	.571	22.5	21.0	12.38	12.38
6-01	1137	3.22	6.350	5.803	.528	.547	22.4	21.0	11.82	11.82
6-03	1217	3.28	6.360	5.867	.479	.493	22.6	21.0	10.82	10.82
6-05	1003	3.81	6.380	5.889	.479	.491	22.4	21.0	10.74	10.74
6-07	1135	4.51	6.460	5.910	.538	.550	22.4	21.0	12.05	12.05
6-09	1400	13.5	6.903	5.971	.822	.932	27.5	21.0	22.59	22.59
6-10	1355	19.3	7.150	5.918	1.087	1.232	28.3	21.0	30.77	30.77
6-11	1401	23.5	7.378	5.813	1.283	1.565	31.0	21.0	39.77	39.77
6-12	1440	30.6	7.532	5.782	1.458	1.750	31.0	21.0	45.19	45.19
6-13	1220	28.3	7.462	5.735	1.416	1.727	31.0	21.0	43.88	43.88
6-14	1116	23.5	7.327	5.653	1.363	1.674	30.6	21.0	41.72	41.72
6-15	1335	--	7.160	5.613	1.328	1.547	28.4	21.0	37.70	37.70
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1220	12.4	6.850	5.647	1.022	1.203	27.5	21.0	28.10	28.10
6-18	1511	18.7	7.140	5.612	1.313	1.528	28.3	21.0	37.16	37.16
6-19	1132	17.0	7.050	5.667	1.193	1.383	28.0	21.0	33.41	33.41
6-20	1150	25.6	7.260	5.711	1.290	1.549	29.8	21.0	38.44	38.44
6-21	1219	21.4	7.200	5.653	1.285	1.547	29.5	21.0	37.91	37.91
6-23	1123	18.9	7.080	5.691	1.196	1.389	28.2	21.0	33.74	33.74
6-25	1325	13.7	6.960	5.735	1.056	1.225	27.8	21.0	29.35	29.35
6-27	1250	12.9	6.903	5.770	.984	1.133	27.4	21.0	26.97	26.97
6-29	1308	--	6.506	5.836	.658	.670	22.2	21.0	14.61	14.61
7-01	1307	--	6.860	5.927	.818	.933	27.6	21.0	22.59	22.59
7-03	1318	--	6.750	5.936	.706	.814	27.2	21.0	19.21	19.21
7-05	1232	--	6.584	5.970	.606	.614	22.6	21.0	13.69	13.69
7-07	1122	--	6.430	5.998	.430	.432	22.4	21.0	9.63	9.63
7-09	1306	--	6.350	5.993	.352	.357	22.5	21.0	7.92	7.92
7-12	1216	--	6.246	5.991	.250	.255	22.5	21.0	5.63	5.63
7-16	1443	--	6.200	5.975	.223	.225	22.0	21.0	4.91	4.91
7-20	1456	--	6.220	5.975	.242	.245	22.0	21.0	5.32	5.32
7-23	1532	--	6.216	5.977	.236	.239	22.1	21.0	5.22	5.22
7-26	1054	--	6.190	5.987	.203	.203	22.0	21.0	4.46	4.46
7-29	1513	--	6.170	5.984	.186	.186	21.9	21.0	4.06	4.06
9-15	1515	--	6.130	5.979	.153	.151	21.5	21.0	3.29	3.29

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 21 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 30.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1120, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1208	--	6.470	5.960	0.469	0.510	17.0	15.0	7.98	7.98
5-14	1345	3.74	6.416	5.962	.413	.454	17.1	15.0	7.07	7.07
5-16	1135	2.61	6.330	5.956	.362	.374	15.7	15.0	5.68	5.68
5-19	1155	3.22	6.400	5.952	.409	.448	17.0	15.0	6.95	6.95
5-21	1242	8.31	6.684	5.963	.672	.721	17.2	15.0	11.55	11.55
5-22	1730	16.7	6.993	5.940	.894	1.053	19.5	15.0	17.44	17.44
5-24	1654	26.2	7.314	5.919	1.202	1.395	20.0	15.0	24.04	24.04
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1300	5.67	6.550	5.995	.509	.555	17.3	15.0	8.80	8.80
5-28	1221	4.74	6.510	5.977	.487	.533	17.2	15.0	8.38	8.38
5-30	1138	3.28	6.380	5.959	.405	.421	16.0	15.0	6.49	6.49
6-01	1127	3.22	6.360	5.945	.397	.415	16.1	15.0	6.40	6.40
6-03	1207	3.28	6.370	5.926	.419	.444	16.3	15.0	6.83	6.83
6-05	0958	3.81	6.390	5.933	.435	.457	16.2	15.0	7.04	7.04
6-07	1128	4.51	6.480	5.952	.478	.528	17.2	15.0	8.22	8.22
6-09	1338	13.5	6.920	5.996	.803	.924	19.3	15.0	15.49	15.49
6-10	1337	19.3	7.174	5.952	1.048	1.222	20.0	15.0	20.96	20.96
6-11	1343	23.5	7.410	5.923	1.302	1.487	20.0	15.0	26.04	26.04
6-12	1420	30.6	7.571	5.936	1.452	1.635	20.0	15.0	29.04	29.04
6-13	1157	28.3	7.467	5.890	1.373	1.577	20.0	15.0	27.47	27.47
6-14	1100	23.5	7.350	5.912	1.255	1.438	20.0	15.0	25.10	25.10
6-15	1248	--	7.184	5.950	1.055	1.234	20.0	15.0	21.10	21.10
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1207	12.4	6.854	5.961	.834	.893	17.6	15.0	14.68	14.68
6-18	1454	18.7	7.154	5.965	1.016	1.189	20.0	15.0	20.32	20.32
6-19	1120	17.0	7.063	5.925	.970	1.138	19.7	15.0	19.12	19.12
6-20	1133	25.6	7.266	5.931	1.148	1.335	20.0	15.0	22.97	22.97
6-21	1151	21.4	7.210	5.920	1.109	1.290	20.0	15.0	22.19	22.19
6-23	1107	18.9	7.080	5.952	.960	1.128	19.8	15.0	19.01	19.01
6-25	1345	13.7	6.973	5.977	.853	.996	19.4	15.0	16.54	16.54
6-27	1308	12.9	6.913	5.958	.817	.955	19.2	15.0	15.69	15.69
6-29	1315	--	6.520	5.953	.529	.567	17.0	15.0	8.98	8.98
7-01	1258	--	6.868	5.943	.853	.925	17.9	15.0	15.26	15.26
7-03	1311	--	6.774	5.987	.743	.787	17.3	15.0	12.86	12.86
7-05	1238	--	6.604	5.988	.575	.616	17.2	15.0	9.89	9.89
7-07	1117	--	6.440	5.978	.422	.462	17.2	15.0	7.26	7.26
7-09	1308	--	6.364	5.945	.395	.419	16.3	15.0	6.44	6.44
7-12	1210	--	6.260	5.938	.302	.322	15.5	14.0	4.68	4.68
7-16	1439	--	6.210	5.930	.266	.280	15.1	14.0	4.02	4.02
7-20	1450	--	6.236	5.937	.282	.299	15.4	14.0	4.34	4.34
7-23	1522	--	6.236	5.943	.278	.293	15.3	14.0	4.25	4.25
7-26	1048	--	6.206	5.929	.266	.277	15.0	14.0	3.99	3.99
7-29	1509	--	6.186	5.927	.250	.259	14.9	14.0	3.73	3.73
9-15	1500	--	6.156	5.932	.217	.224	14.8	14.0	3.21	3.21

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 31.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1155, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1204	--	6.500	5.855	0.577	0.645	12.7	11.0	7.32	7.32
5-14	1341	3.74	6.444	5.869	.520	.575	12.4	11.0	6.45	6.45
5-16	1125	2.61	6.360	5.889	.471	.471	11.4	11.0	5.37	5.37
5-19	1152	3.22	6.424	5.888	.488	.536	12.2	11.0	5.95	5.95
5-21	1245	8.31	6.713	5.930	.553	.783	17.2	11.0	9.52	9.52
5-22	1720	16.7	7.026	5.978	.688	1.048	21.9	11.0	15.07	15.07
5-24	1655	26.2	7.354	6.053	.926	1.301	23.0	11.0	21.31	21.31
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1255	5.67	6.584	5.879	.603	.705	13.5	11.0	8.15	8.15
5-28	1206	4.74	6.536	5.878	.577	.658	13.2	11.0	7.62	7.62
5-30	1132	3.28	6.400	5.857	.488	.543	12.5	11.0	6.10	6.10
6-01	1120	3.22	6.386	5.866	.469	.520	12.5	11.0	5.87	5.87
6-03	1201	3.28	6.396	5.870	.480	.526	12.3	11.0	5.91	5.91
6-05	0948	3.81	6.416	5.867	.493	.549	12.5	11.0	6.16	6.16
6-07	1119	4.51	6.500	5.871	.551	.629	13.0	11.0	7.16	7.16
6-09	1345	13.5	6.962	5.935	.656	1.027	21.7	11.0	14.23	14.23
6-10	1335	19.3	7.188	5.965	.835	1.223	23.0	11.0	19.20	19.20
6-11	1343	23.5	7.444	6.040	1.033	1.404	23.0	11.0	23.77	23.77
6-12	1355	30.6	7.588	6.040	1.182	1.548	23.0	11.0	27.18	27.18
6-13	1200	28.3	7.496	6.034	1.094	1.462	23.0	11.0	25.16	25.16
6-14	1042	23.5	7.366	5.964	1.010	1.402	23.0	11.0	23.23	23.23
6-15	1235	--	7.214	5.885	.897	1.329	23.0	11.0	20.62	20.62
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1159	12.4	6.877	5.853	.651	1.024	20.5	11.0	13.34	13.34
6-18	1438	18.7	7.176	5.859	.862	1.317	23.0	11.0	19.83	19.83
6-19	1100	17.0	7.087	5.892	.793	1.195	22.2	11.0	17.61	17.61
6-20	1116	25.6	7.284	5.882	.963	1.402	23.0	11.0	22.15	22.15
6-21	1129	21.4	7.242	5.933	.893	1.309	23.0	11.0	20.54	20.54
6-23	1050	18.9	7.105	5.861	.817	1.244	22.5	11.0	18.39	18.39
6-25	1405	13.7	6.994	5.875	.721	1.119	21.9	11.0	15.78	15.78
6-27	1324	12.9	6.934	5.895	.655	1.039	21.6	11.0	14.15	14.15
6-29	1320	--	6.544	5.852	.604	.692	13.3	11.0	8.03	8.03
7-01	1247	--	6.899	5.910	.671	.989	20.0	11.0	13.42	13.42
7-03	1215	--	6.799	5.860	.669	.939	17.9	11.0	11.98	11.98
7-05	1245	--	6.630	5.855	.576	.775	16.2	11.0	9.33	9.33
7-07	1112	--	6.466	5.845	.556	.621	12.9	11.0	7.18	7.18
7-09	1314	--	6.386	5.846	.494	.540	12.4	11.0	6.13	6.13
7-12	1207	--	6.276	5.851	.398	.425	12.0	11.0	4.78	4.78
7-16	1435	--	6.230	5.854	.375	.376	11.4	11.0	4.27	4.27
7-20	1448	--	6.250	5.848	.385	.402	11.6	11.0	4.47	4.47
7-23	1520	--	6.250	5.853	.375	.397	11.8	11.0	4.43	4.43
7-26	1044	--	6.226	5.852	.360	.374	11.6	11.0	4.18	4.18
7-29	1506	--	6.206	5.859	.346	.347	11.5	11.0	3.97	3.97
9-15	1450	--	6.157	5.825	.305	.332	11.2	10.0	3.42	3.42

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 11 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 32.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1202, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1152	--	6.516	5.894	0.594	0.622	15.2	14.0	9.02	9.02
5-14	1330	3.74	6.462	5.902	.542	.560	14.9	14.0	8.08	8.08
5-16	1123	2.61	6.376	5.890	.475	.486	14.5	14.0	6.89	6.89
5-19	1140	3.22	6.446	5.897	.531	.549	14.7	14.0	7.80	7.80
5-21	1141	8.31	6.775	5.916	.780	.859	16.4	14.0	12.80	12.80
5-22	1658	16.7	7.085	5.938	1.017	1.147	18.2	14.0	18.51	18.51
5-24	1630	26.2	7.370	5.969	1.230	1.401	19.0	14.0	23.37	23.37
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1252	5.67	6.600	5.921	.596	.679	16.5	14.0	9.84	9.84
5-28	1200	4.74	6.560	5.929	.598	.631	15.2	14.0	9.09	9.09
5-30	1131	3.28	6.426	5.923	.487	.503	14.7	14.0	7.16	7.16
6-01	1116	3.22	6.406	5.907	.484	.499	14.9	14.0	7.21	7.21
6-03	1150	3.28	6.416	5.928	.472	.488	14.8	14.0	6.98	6.98
6-05	0939	3.81	6.442	5.958	.468	.484	14.8	14.0	6.93	6.93
6-07	1120	4.51	6.546	5.935	.578	.611	15.3	14.0	8.84	8.84
6-09	1320	13.5	7.015	5.974	.924	1.041	17.6	14.0	16.27	16.27
6-10	1317	19.3	7.240	5.916	1.182	1.324	18.1	14.0	21.40	21.40
6-11	1325	23.5	7.460	5.924	1.337	1.536	19.0	14.0	25.40	25.40
6-12	1258	30.6	7.610	5.941	1.479	1.669	19.0	14.0	28.11	28.11
6-13	1145	28.3	7.520	5.940	1.394	1.580	19.0	14.0	26.49	26.49
6-14	1025	23.5	7.396	5.975	1.246	1.421	19.0	14.0	23.68	23.68
6-15	1215	--	7.250	5.940	1.119	1.310	19.0	14.0	21.26	21.26
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1144	12.4	6.925	5.909	.909	1.016	16.9	14.0	15.36	15.36
6-18	1423	18.7	7.215	5.890	1.171	1.325	18.1	14.0	21.19	21.19
6-19	1043	17.0	7.125	5.921	1.052	1.204	18.1	14.0	19.04	19.04
6-20	1056	25.6	7.301	5.963	1.153	1.338	19.0	14.0	21.91	21.91
6-21	1115	21.4	7.265	5.965	1.149	1.300	18.1	14.0	20.80	20.80
6-23	1031	18.9	7.145	5.968	1.037	1.177	18.1	14.0	18.77	18.77
6-25	1425	13.7	7.035	5.950	.948	1.085	18.0	14.0	17.06	17.06
6-27	1338	12.9	6.995	5.936	.924	1.059	18.0	14.0	16.64	16.64
6-29	1326	--	6.575	5.918	.584	.657	16.4	14.0	9.58	9.58
7-01	1154	--	6.951	6.035	.824	.916	17.2	14.0	14.17	14.17
7-03	1208	--	6.855	6.009	.760	.846	16.9	14.0	12.85	12.85
7-05	1252	--	6.675	5.939	.662	.736	16.5	14.0	10.91	10.91
7-07	1106	--	6.496	5.910	.565	.586	14.9	14.0	8.42	8.42
7-09	1320	--	6.412	5.911	.487	.501	14.7	14.0	7.16	7.16
7-12	1202	--	6.296	5.905	.384	.391	14.4	14.0	5.53	5.53
7-16	1431	--	6.240	5.869	.333	.371	14.1	12.0	4.70	4.70
7-20	1444	--	6.260	5.877	.346	.383	14.2	12.0	4.91	4.91
7-23	1515	--	6.250	5.862	.349	.388	14.4	12.0	5.02	5.02
7-26	1042	--	6.230	5.868	.336	.362	13.7	12.0	4.61	4.61
7-29	1502	--	6.210	5.882	.304	.328	13.7	12.0	4.17	4.17
9-15	1430	--	6.160	5.866	.268	.294	13.9	12.0	3.73	3.73

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 14 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 33.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1241, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1154	--	6.537	5.778	0.653	0.759	14.0	11.0	9.15	9.15
5-14	1320	3.74	6.477	5.805	.588	.672	13.5	11.0	7.94	7.94
5-16	1110	2.61	6.387	5.870	.508	.517	11.9	11.0	6.05	6.05
5-19	1139	3.22	6.470	5.959	.459	.511	13.5	11.0	6.19	6.19
5-21	1132	8.31	6.807	5.825	.758	.982	16.9	11.0	12.81	12.81
5-22	1655	16.7	7.124	5.811	.869	1.313	21.3	11.0	18.51	18.51
5-24	1615	26.2	7.395	5.631	1.070	1.764	25.0	11.0	26.75	26.75
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1200	5.67	6.627	5.673	.829	.954	13.8	11.0	11.45	11.45
5-28	1154	4.74	6.570	5.687	.770	.883	13.7	11.0	10.55	10.55
5-30	1129	3.28	6.437	5.743	.640	.694	12.8	11.0	8.19	8.19
6-01	1115	3.22	6.417	5.943	.455	.474	12.7	11.0	5.78	5.78
6-03	1138	3.28	6.437	5.958	.463	.479	12.9	11.0	5.97	5.97
6-05	0935	3.81	6.467	5.922	.512	.545	13.0	11.0	6.66	6.66
6-07	1107	4.51	6.577	5.882	.601	.695	13.7	11.0	8.23	8.23
6-09	1320	13.5	7.039	5.761	.797	1.278	21.3	11.0	16.97	16.97
6-10	1310	19.3	7.261	5.805	.923	1.456	23.8	11.0	21.96	21.96
6-11	1307	23.5	7.464	5.659	1.142	1.805	25.0	11.0	28.54	28.54
6-12	1225	30.6	7.629	5.603	1.345	2.026	25.0	11.0	33.62	33.62
6-13	1130	28.3	7.524	5.622	1.230	1.902	25.0	11.0	30.76	30.76
6-14	1008	23.5	7.399	5.653	1.086	1.746	25.0	11.0	27.16	27.16
6-15	1155	--	7.265	5.657	.997	1.608	24.0	11.0	23.93	23.93
6-16	1205	10.3	6.896	5.705	.990	1.191	15.7	11.0	15.54	15.54
6-17	1130	12.4	6.942	5.743	.994	1.199	15.8	11.0	15.70	15.70
6-18	1401	18.7	7.241	5.797	.896	1.444	23.9	11.0	21.42	21.42
6-19	1025	17.0	7.161	5.773	.835	1.388	23.7	11.0	19.79	19.79
6-20	1134	25.6	7.354	5.800	.965	1.554	25.0	11.0	24.13	24.13
6-21	1051	21.4	7.290	5.811	.921	1.479	24.1	11.0	22.20	22.20
6-23	1117	18.9	7.186	5.784	.870	1.402	23.7	11.0	20.62	20.62
6-25	1445	13.7	7.069	5.804	.851	1.265	21.4	11.0	18.21	18.21
6-27	1406	12.9	7.025	5.868	.821	1.157	19.5	11.0	16.02	16.02
6-29	1332	--	6.594	5.849	.711	.745	12.9	11.0	9.17	9.17
7-01	1148	--	6.996	5.921	.751	1.075	19.5	11.0	14.65	14.65
7-03	1159	--	6.892	5.789	.872	1.103	17.2	11.0	15.01	15.01
7-05	1257	--	6.687	5.799	.715	.888	15.8	11.0	11.30	11.30
7-07	1059	--	6.507	5.809	.653	.698	12.9	11.0	8.43	8.43
7-09	1330	--	6.417	5.794	.574	.623	12.5	10.0	7.18	7.18
7-12	1157	--	6.308	5.871	.405	.437	11.5	9.0	4.66	4.66
7-16	1426	--	6.258	5.881	.353	.377	11.3	9.0	3.99	3.99
7-20	1432	--	6.268	5.891	.337	.377	11.4	9.0	3.84	3.84
7-23	1510	--	6.268	5.900	.328	.368	11.4	9.0	3.74	3.74
7-26	1037	--	6.238	5.902	.303	.336	11.2	9.0	3.40	3.40
7-29	1457	--	6.218	5.885	.305	.333	11.0	9.0	3.35	3.35
9-15	1345	--	6.179	5.769	.330	.410	8.4	6.0	2.77	2.77

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 11 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 34.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1284, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1141	---	6.550	6.069	0.445	0.481	17.6	15.0	7.84	7.84
5-14	1312	3.74	6.510	6.100	.382	.410	17.3	15.0	6.61	6.61
5-16	1105	2.61	6.430	6.107	.312	.323	17.0	15.0	5.30	5.30
5-19	1125	3.22	6.500	6.050	.426	.450	17.1	15.0	7.29	7.29
5-21	1125	8.31	6.840	5.999	.753	.841	18.7	15.0	14.08	14.08
5-22	1640	16.7	7.154	5.936	1.113	1.218	18.7	15.0	20.81	20.81
5-24	1610	26.2	7.428	5.916	1.381	1.512	19.0	15.0	26.24	26.24
5-26	---	---	---	---	---	---	---	---	---	---
5-27	1151	5.67	6.646	6.061	.525	.585	18.0	15.0	9.45	9.45
5-28	1135	4.74	6.596	6.083	.463	.513	17.9	15.0	8.29	8.29
5-30	1115	3.28	6.464	6.112	.335	.352	16.9	15.0	5.66	5.66
6-01	1110	3.22	6.460	6.078	.360	.382	17.0	15.0	6.13	6.13
6-03	1130	3.28	6.480	6.046	.389	.434	17.7	15.0	6.89	6.89
6-05	0925	3.81	6.506	6.038	.421	.468	17.7	15.0	7.44	7.44
6-07	1100	4.51	6.606	5.987	.545	.619	18.3	15.0	9.97	9.97
6-09	1255	13.5	7.080	5.939	1.037	1.141	18.8	15.0	19.49	19.49
6-10	1301	19.3	7.290	5.932	1.235	1.358	19.0	15.0	23.46	23.46
6-11	1319	23.5	7.510	5.926	1.461	1.584	19.0	15.0	27.76	27.76
6-12	1245	30.6	7.674	5.929	1.613	1.745	19.0	15.0	30.65	30.65
6-13	1226	28.3	7.582	5.937	1.521	1.645	19.0	15.0	28.90	28.90
6-14	1600	23.5	7.440	5.954	1.363	1.486	19.0	15.0	25.90	25.90
6-15	1244	---	7.290	5.976	1.195	1.314	19.0	15.0	22.71	22.71
6-16	1146	10.3	6.910	6.032	.808	.878	18.6	15.0	15.02	15.02
6-17	1208	12.4	6.974	6.077	.817	.897	18.8	15.0	15.36	15.36
6-18	1340	18.7	7.270	6.000	1.181	1.270	19.0	15.0	22.43	22.43
6-19	1054	17.0	7.194	5.998	1.115	1.196	18.8	15.0	20.97	20.97
6-20	1114	25.6	7.380	6.004	1.276	1.376	19.0	15.0	24.24	24.24
6-21	1151	21.4	7.334	6.006	1.231	1.328	19.0	15.0	23.38	23.38
6-23	1100	18.9	7.217	6.062	1.072	1.155	18.8	15.0	20.15	20.15
6-25	1327	13.7	7.107	6.045	.962	1.062	18.8	15.0	18.08	18.08
6-27	1256	12.9	7.067	6.050	.946	1.017	18.8	15.0	17.79	17.79
6-29	1335	---	6.644	6.102	.537	.542	16.3	14.0	8.75	8.75
7-01	1136	---	7.047	6.028	.951	1.019	18.9	15.0	17.97	17.97
7-03	1153	---	6.924	5.954	.904	.970	18.7	15.0	16.91	16.91
7-05	1306	---	6.704	5.989	.679	.715	18.3	15.0	12.43	12.43
7-07	1050	---	6.544	6.098	.426	.446	18.2	15.0	7.76	7.76
7-09	1334	---	6.490	6.138	.346	.352	17.7	15.0	6.13	6.13
7-12	1148	---	6.340	6.017	.306	.323	14.6	12.0	4.47	4.47
7-16	1419	---	6.270	5.982	.290	.288	12.6	11.0	3.65	3.65
7-20	1422	---	6.290	5.969	.307	.321	13.3	11.0	4.08	4.08
7-23	1503	---	6.290	5.983	.295	.307	13.2	11.0	3.90	3.90
7-26	1031	---	6.260	5.968	.282	.292	12.7	11.0	3.58	3.58
7-29	1450	---	6.240	5.953	.273	.287	12.2	10.0	3.33	3.33
9-15	1315	---	6.190	6.007	.178	.183	11.3	9.0	2.01	2.01

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 35.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1315, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1150	--	6.578	6.175	0.399	0.403	22.3	21.0	8.89	8.89
5-14	1311	3.74	6.534	6.199	.334	.335	22.0	21.0	7.35	7.35
5-16	1055	2.61	6.460	6.155	.303	.305	22.4	21.0	6.78	6.78
5-19	1121	3.22	6.514	6.133	.376	.381	22.2	21.0	8.35	8.35
5-21	1119	8.31	6.854	6.114	.701	.740	23.2	21.0	16.25	16.25
5-22	1627	16.7	7.153	6.135	.928	1.018	24.8	21.0	23.01	23.01
5-24	1449	26.2	7.464	6.192	1.039	1.272	29.0	21.0	30.12	30.12
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1140	5.67	6.674	6.244	.436	.430	22.0	21.0	9.60	9.60
5-28	1143	4.74	6.624	6.217	.413	.407	21.8	21.0	9.01	9.01
5-30	1114	3.28	6.505	6.163	.341	.342	20.4	19.0	6.96	6.96
6-01	1059	3.22	6.496	6.153	.348	.343	21.8	21.0	7.59	7.59
6-03	1122	3.28	6.500	6.139	.364	.361	21.9	21.0	7.97	7.97
6-05	0918	3.81	6.520	6.132	.387	.388	22.1	21.0	8.55	8.55
6-07	1058	4.51	6.614	6.117	.491	.497	22.1	21.0	10.86	10.86
6-09	1300	13.5	7.088	6.111	.893	.977	24.4	21.0	21.79	21.79
6-10	1231	19.3	7.294	6.203	.966	1.091	25.8	21.0	24.92	24.92
6-11	1316	23.5	7.504	6.201	1.072	1.303	29.0	21.0	31.09	31.09
6-12	1220	30.6	7.667	6.223	1.217	1.444	29.0	21.0	35.30	35.30
6-13	1204	28.3	7.580	6.239	1.115	1.341	29.0	21.0	32.32	32.32
6-14	1535	23.5	7.454	6.257	.973	1.197	29.0	21.0	28.22	28.22
6-15	1219	--	7.307	6.238	.844	1.069	29.0	21.0	24.48	24.48
6-16	1144	10.3	6.940	6.250	.648	.690	23.5	21.0	15.22	15.22
6-17	1136	12.4	7.012	6.252	.714	.760	23.7	21.0	16.91	16.91
6-18	1225	18.7	7.274	6.220	.937	1.054	25.7	21.0	24.09	24.09
6-19	1029	17.0	7.203	6.222	.871	.981	25.5	21.0	22.21	22.21
6-20	1050	25.6	7.374	6.228	.924	1.146	29.0	21.0	26.78	26.78
6-21	1125	21.4	7.344	6.247	.872	1.097	29.0	21.0	25.29	25.29
6-23	1033	18.9	7.240	6.239	.889	1.001	25.8	21.0	22.93	22.93
6-25	1358	13.7	7.144	6.239	.821	.905	24.9	21.0	20.45	20.45
6-27	1320	12.9	7.094	6.228	.801	.866	24.3	21.0	19.46	19.46
6-29	1343	--	6.684	6.210	.463	.474	21.6	20.0	9.99	9.99
7-01	1127	--	7.058	6.167	.829	.891	23.9	21.0	19.82	19.82
7-03	1146	--	6.938	6.190	.698	.748	23.6	21.0	16.48	16.48
7-05	1311	--	6.724	6.229	.487	.495	22.5	21.0	10.96	10.96
7-07	1048	--	6.570	6.133	.439	.437	20.0	19.0	8.77	8.77
7-09	1338	--	6.500	6.102	.396	.398	20.2	19.0	7.99	7.99
7-12	1144	--	6.340	6.092	.249	.248	20.1	19.0	5.00	5.00
7-16	1411	--	6.280	6.093	.188	.187	20.1	19.0	3.78	3.78
7-20	1414	--	6.300	6.088	.213	.212	20.1	19.0	4.28	4.28
7-23	1457	--	6.300	6.100	.201	.200	20.1	19.0	4.05	4.05
7-26	1026	--	6.270	6.079	.193	.191	20.1	19.0	3.88	3.88
7-29	1445	--	6.250	6.091	.161	.159	20.0	19.0	3.22	3.22
9-15	1310	--	6.200	6.069	.140	.131	19.1	19.0	2.68	2.68

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 21 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 36.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1360, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2) WATER LEVEL(3) (M)	MEAN ELEVATION(2) ACTIVE BED(4) (M)	MEAN DEPTH CHANNEL WIDE(5) (M)	MEAN DEPTH ACTIVE BED(6) (M)	WIDTH WATER SURFACE(7) (M)	WIDTH ACTIVE BED(8) (M)	FLOW AREA (9) (M^2)	FLOW AREA TOTAL(10) (M^2)
5-13	1131	--	6.637	6.277	0.334	0.360	16.3	14.0	5.45	5.45
5-14	1255	3.74	6.589	6.266	.305	.323	15.9	14.0	4.84	4.84
5-16	1055	2.61	6.506	6.243	.258	.263	15.3	14.0	3.95	3.95
5-19	1115	3.22	6.556	6.235	.307	.321	15.7	14.0	4.82	4.87
5-21	1115	8.31	6.872	6.252	.532	.620	18.7	14.0	9.95	12.08
5-22	1615	16.7	7.185	6.318	.686	.867	22.7	14.0	15.56	19.59
5-24	1450	26.2	7.485	6.385	.901	1.100	23.7	14.0	21.36	28.70
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1132	5.67	6.727	6.297	.392	.430	17.0	14.0	6.66	7.51
5-28	1124	4.74	6.677	6.280	.357	.397	16.8	14.0	6.00	6.65
5-30	1107	3.28	6.556	6.258	.281	.298	15.9	14.0	4.47	4.54
6-01	1058	3.22	6.536	6.242	.277	.294	15.8	14.0	4.38	4.41
6-03	1115	3.28	6.532	6.242	.272	.290	15.7	14.0	4.27	4.30
6-05	0910	3.81	6.556	6.250	.292	.306	15.7	14.0	4.58	4.74
6-07	1050	4.51	6.640	6.244	.363	.396	16.3	14.0	5.91	6.57
6-09	1210	13.5	7.105	6.312	.613	.793	22.3	14.0	13.67	17.50
6-10	1201	19.3	7.310	6.367	.768	.943	23.2	14.0	17.82	22.54
6-11	1144	23.5	7.515	6.439	.907	1.076	23.8	14.0	21.58	28.39
6-12	1201	30.6	7.685	6.470	1.053	1.215	24.0	14.0	25.27	33.70
6-13	1150	28.3	7.590	6.485	.945	1.105	23.9	14.0	22.59	30.41
6-14	1504	23.5	7.490	6.486	.839	1.004	23.6	14.0	19.79	25.93
6-15	1200	--	7.335	6.532	.653	.803	23.4	14.0	15.29	15.29
6-16	1051	10.3	7.020	6.427	.442	.593	22.1	14.0	9.77	9.77
6-17	1122	12.4	7.050	6.369	.520	.681	22.1	14.0	11.49	14.61
6-18	1210	18.7	7.295	6.414	.698	.881	23.2	14.0	16.20	20.88
6-19	1013	17.0	7.235	6.442	.622	.793	23.0	14.0	14.30	18.38
6-20	1035	25.6	7.385	6.462	.747	.923	23.5	14.0	17.55	23.19
6-21	1107	21.4	7.365	6.492	.707	.873	23.5	14.0	16.61	21.82
6-23	1018	18.9	7.270	6.463	.637	.807	23.1	14.0	14.71	18.98
6-25	1435	13.7	7.169	6.434	.572	.735	23.0	14.0	13.15	17.61
6-27	1355	12.9	7.125	6.415	.543	.710	22.5	14.0	12.21	16.11
6-29	1357	--	6.717	6.291	.379	.426	17.0	14.0	6.44	7.43
7-01	1114	--	7.075	6.312	.590	.763	22.2	14.0	13.09	16.59
7-03	1134	--	6.959	6.347	.490	.612	20.5	14.0	10.05	12.85
7-05	1320	--	6.767	6.321	.393	.446	17.3	14.0	6.81	8.24
7-07	1032	--	6.613	6.267	.320	.346	16.2	14.0	5.18	5.75
7-09	1350	--	6.523	6.253	.256	.270	15.7	14.0	4.01	4.22
7-12	1141	--	6.426	6.263	.163	.163	15.0	14.0	2.45	2.45
7-16	1409	--	6.395	6.242	.152	.153	14.2	13.0	2.16	2.16
7-20	1411	--	6.405	6.247	.159	.158	14.2	13.0	2.26	2.26
7-23	1453	--	6.405	6.248	.157	.157	14.1	13.0	2.21	2.21
7-26	1024	--	6.385	6.235	.153	.150	14.1	13.0	2.15	2.15
7-29	1443	--	6.365	6.231	.128	.134	13.8	12.0	1.76	1.76
9-15	1300	--	6.335	6.225	.111	.110	13.1	12.0	1.46	1.46

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 14 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS; INCLUDES AREA OF BYPASS CHANNEL AS MEASURED AT SECTION 1400 (SEE FIGURE 3).

TABLE 37.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1396, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2) WATER LEVEL(3) (M)	MEAN ELEVATION(2) ACTIVE BED(4) (M)	MEAN DEPTH CHANNEL WIDE(5) (M)	MEAN DEPTH ACTIVE BED(6) (M)	WIDTH WATER SURFACE(7) (M)	WIDTH ACTIVE BED(8) (M)	FLOW AREA (9) (M^2)	FLOW AREA TOTAL(10) (M^2)
5-13	1139	--	6.696	6.235	0.453	0.461	12.4	12.0	5.61	5.61
5-14	1245	3.74	6.656	6.237	.404	.419	12.7	12.0	5.13	5.13
5-16	1030	2.61	6.566	6.249	.318	.317	12.0	12.0	3.82	3.82
5-19	1107	3.22	6.620	6.223	.386	.397	12.5	12.0	4.82	4.87
5-21	1102	8.31	6.926	6.221	.673	.705	13.1	12.0	8.82	10.95
5-22	1558	16.7	7.232	6.220	.841	1.012	15.5	12.0	13.03	17.06
5-24	1422	26.2	7.543	6.236	.996	1.307	18.3	12.0	18.22	25.56
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1126	5.67	6.799	6.278	.507	.521	12.7	12.0	6.43	7.28
5-28	1128	4.74	6.756	6.288	.449	.468	12.9	12.0	5.79	6.44
5-30	1102	3.28	6.623	6.273	.342	.350	12.5	12.0	4.27	4.34
6-01	1053	3.22	6.599	6.262	.334	.337	12.4	12.0	4.14	4.17
6-03	1104	3.28	6.619	6.259	.351	.360	12.6	12.0	4.42	4.45
6-05	0900	3.81	6.629	6.248	.370	.381	12.7	12.0	4.70	4.86
6-07	1038	4.51	6.726	6.247	.464	.479	12.8	12.0	5.94	6.60
6-09	1158	13.5	7.156	6.221	.813	.935	14.9	12.0	12.12	15.95
6-10	1145	19.3	7.349	6.217	.931	1.132	16.2	12.0	15.08	19.80
6-11	1128	23.5	7.536	6.204	1.017	1.332	18.2	12.0	18.50	25.32
6-12	1144	30.6	7.693	6.216	1.154	1.477	18.6	12.0	21.46	29.89
6-13	1138	28.3	7.613	6.215	1.077	1.398	18.4	12.0	19.82	27.64
6-14	1448	23.5	7.526	6.224	.986	1.302	18.3	12.0	18.04	24.18
6-15	1146	--	7.389	6.214	.963	1.175	16.3	12.0	15.70	15.70
6-16	1040	10.3	7.087	6.230	.796	.857	13.7	12.0	10.91	10.91
6-17	1110	12.4	7.104	6.227	.815	.877	13.7	12.0	11.17	14.29
6-18	1158	18.7	7.340	6.224	.923	1.116	16.0	12.0	14.77	19.46
6-19	1001	17.0	7.290	6.205	.889	1.085	16.1	12.0	14.31	18.39
6-20	1021	25.6	7.429	6.203	1.000	1.226	16.6	12.0	16.59	22.23
6-21	1053	21.4	7.406	6.217	.972	1.189	16.5	12.0	16.04	21.25
6-23	1003	18.9	7.310	6.226	.907	1.084	15.7	12.0	14.24	18.51
6-25	1445	13.7	7.216	6.221	.846	.995	15.2	12.0	12.85	17.30
6-27	1410	12.9	7.170	6.228	.849	.942	14.1	12.0	11.97	15.86
6-29	1401	--	6.789	6.221	.547	.568	12.9	12.0	7.06	8.06
7-01	1107	--	7.120	6.232	.812	.888	13.9	12.0	11.29	14.79
7-03	1127	--	7.017	6.224	.743	.793	13.5	12.0	10.02	12.82
7-05	1325	--	6.839	6.221	.595	.618	13.0	12.0	7.73	9.16
7-07	1028	--	6.689	6.240	.437	.449	12.7	12.0	5.55	6.12
7-09	1352	--	6.613	6.236	.365	.377	12.8	12.0	4.67	4.88
7-12	1133	--	6.516	6.249	.261	.267	12.5	12.0	3.26	3.26
7-16	1400	--	6.476	6.253	.220	.223	12.3	12.0	2.71	2.71
7-20	1404	--	6.486	6.244	.237	.242	12.5	12.0	2.96	2.96
7-23	1444	--	6.486	6.249	.230	.237	12.6	12.0	2.89	2.89
7-26	1018	--	6.466	6.241	.220	.225	12.4	12.0	2.73	2.73
7-29	1436	--	6.456	6.249	.203	.207	12.4	12.0	2.52	2.52
9-15	1240	--	6.416	6.250	.165	.166	12.2	12.0	2.01	2.01

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 12 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS; INCLUDES AREA OF BYPASS CHANNEL AS MEASURED AT SECTION 1400 (SEE FIGURE 3).

TABLE 38.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1425, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1118	--	6.740	6.397	0.333	0.343	17.0	15.0	5.67	5.67
5-14	1240	3.74	6.700	6.398	.289	.302	16.8	15.0	4.86	4.86
5-16	1028	2.61	6.616	6.320	.229	.296	16.8	12.0	3.84	3.84
5-19	1100	3.22	6.670	6.373	.288	.297	16.9	15.0	4.87	4.92
5-21	1056	8.31	6.938	6.385	.528	.553	17.6	15.0	9.29	11.42
5-22	1540	16.7	7.239	6.423	.794	.816	17.6	15.0	13.98	18.00
5-24	1400	26.2	7.540	6.459	1.004	1.081	19.0	15.0	19.08	26.42
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1120	5.67	6.814	6.429	.375	.385	17.8	15.0	6.67	7.52
5-28	1110	4.74	6.770	6.394	.358	.376	17.7	15.0	6.33	6.98
5-30	1056	3.28	6.660	6.371	.279	.289	17.5	15.0	4.87	4.94
6-01	1049	3.22	6.646	6.373	.266	.273	17.5	15.0	4.66	4.69
6-03	1100	3.28	6.650	6.385	.254	.265	17.5	15.0	4.44	4.47
6-05	0855	3.81	6.666	6.385	.271	.281	17.5	15.0	4.74	4.90
6-07	1034	4.51	6.756	6.379	.364	.377	17.7	15.0	6.45	7.11
6-09	1150	13.5	7.164	6.419	.736	.745	17.7	15.0	13.04	16.87
6-10	1150	19.3	7.359	6.437	.900	.922	18.0	15.0	16.19	20.91
6-11	1112	23.5	7.530	6.413	1.040	1.117	19.0	15.0	19.76	26.57
6-12	1126	30.6	7.687	6.436	1.181	1.251	19.0	15.0	22.43	30.87
6-13	1121	28.3	7.610	6.418	1.118	1.192	19.0	15.0	21.25	29.07
6-14	1428	23.5	7.524	6.414	1.035	1.110	19.0	15.0	19.67	25.81
6-15	1129	--	7.391	6.419	.945	.972	18.1	15.0	17.10	17.10
6-16	1012	10.3	7.092	6.429	.664	.663	17.7	15.0	11.75	11.75
6-17	1055	12.4	7.106	6.423	.681	.683	17.8	15.0	12.13	15.25
6-18	1143	18.7	7.332	6.427	.889	.905	17.9	15.0	15.90	20.59
6-19	0945	17.0	7.292	6.425	.868	.867	17.8	15.0	15.45	19.52
6-20	1004	25.6	7.421	6.428	.959	.993	18.3	15.0	17.56	23.20
6-21	1037	21.4	7.405	6.436	.938	.969	18.2	15.0	17.08	22.29
6-23	0948	18.9	7.306	6.451	.844	.855	17.8	15.0	15.02	19.29
6-25	1507	13.7	7.222	6.440	.778	.782	17.8	15.0	13.85	18.31
6-27	1425	12.9	7.179	6.431	.738	.748	18.0	15.0	13.29	17.18
6-29	1405	--	6.794	6.417	.373	.377	17.9	15.0	6.69	7.68
7-01	1102	--	7.135	6.426	.699	.709	18.0	15.0	12.57	16.07
7-03	1119	--	7.025	6.425	.584	.600	18.0	15.0	10.52	13.32
7-05	1331	--	6.857	6.434	.402	.423	18.0	15.0	7.24	8.68
7-07	1022	--	6.692	6.369	.263	.323	17.7	13.0	4.65	5.22
7-09	1357	--	6.631	6.309	.303	.322	12.2	10.0	3.69	3.90
7-12	1130	--	6.526	6.235	.255	.291	10.1	8.0	2.58	2.58
7-16	1356	--	6.490	6.210	.238	.280	9.2	7.0	2.19	2.19
7-20	1401	--	6.510	6.239	.249	.271	9.6	8.0	2.39	2.39
7-23	1440	--	6.510	6.213	.245	.297	9.4	7.0	2.30	2.30
7-26	1016	--	6.480	6.203	.230	.277	9.0	7.0	2.07	2.07
7-29	1432	--	6.470	6.217	.220	.253	9.0	7.0	1.98	1.98
9-15	1220	--	6.440	6.209	.211	.231	8.2	7.0	1.73	1.73

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS; INCLUDES AREA OF BYPASS CHANNEL AS MEASURED AT SECTION 1400 (SEE FIGURE 3).

TABLE 39.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1481, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1115	--	6.812	6.149	0.613	0.663	13.9	11.0	8.52	9.38
5-14	1242	3.74	6.772	6.139	.579	.633	13.6	11.0	7.88	8.55
5-16	1020	2.61	6.687	6.127	.528	.560	13.3	11.0	7.03	7.43
5-19	1055	3.22	6.740	6.096	.577	.644	13.5	11.0	7.79	8.35
5-21	1047	8.31	7.027	6.050	.861	.977	14.7	11.0	12.66	14.59
5-22	1535	16.7	7.314	6.061	1.073	1.253	15.9	11.0	17.06	20.74
5-24	1350	26.2	7.564	6.211	1.062	1.353	19.0	11.0	20.19	26.05
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1105	5.67	6.910	6.215	.656	.695	13.9	11.0	9.13	10.45
5-28	1108	4.74	6.870	6.219	.601	.651	13.8	11.0	8.29	9.41
5-30	1052	3.28	6.742	6.192	.520	.550	13.7	11.0	7.12	7.66
6-01	1042	3.22	6.722	6.172	.520	.550	13.5	11.0	7.02	7.50
6-03	1047	3.28	6.732	6.174	.529	.558	13.5	11.0	7.15	7.67
6-05	0845	3.81	6.752	6.157	.554	.595	13.6	11.0	7.54	8.15
6-07	1022	4.51	6.850	6.176	.630	.674	13.8	11.0	8.69	9.78
6-09	1131	13.5	7.237	6.175	.947	1.062	15.7	11.0	14.86	18.14
6-10	1120	19.3	7.413	6.164	1.025	1.249	17.4	11.0	17.83	22.02
6-11	1024	23.5	7.564	6.174	1.099	1.390	19.0	11.0	20.88	26.85
6-12	1032	30.6	7.725	6.205	1.246	1.520	19.0	11.0	23.68	30.73
6-13	1037	28.3	7.641	6.238	1.112	1.403	19.0	11.0	21.13	27.77
6-14	1130	23.5	7.571	6.231	1.055	1.340	19.0	11.0	20.04	25.45
6-15	1051	--	7.456	6.200	1.032	1.256	17.8	11.0	18.36	23.26
6-16	0950	10.3	7.170	6.197	.872	.973	15.3	11.0	13.34	16.29
6-17	1033	12.4	7.187	6.192	.902	.995	15.4	11.0	13.89	16.92
6-18	1104	18.7	7.393	6.197	.973	1.196	17.5	11.0	17.02	21.33
6-19	0914	17.0	7.363	6.200	.943	1.163	17.7	11.0	16.70	20.42
6-20	0930	25.6	7.465	6.215	1.039	1.250	17.9	11.0	18.60	23.28
6-21	1004	21.4	7.465	6.216	1.040	1.249	17.8	11.0	18.51	23.34
6-23	0916	18.9	7.369	6.216	.945	1.153	17.5	11.0	16.54	20.78
6-25	1533	13.7	7.280	6.218	.927	1.062	16.2	11.0	15.02	18.42
6-27	1442	12.9	7.240	6.178	.925	1.062	16.3	11.0	15.07	18.38
6-29	1413	--	6.890	6.199	.674	.691	13.8	11.0	9.30	10.71
7-01	1050	--	7.207	6.186	.892	1.021	15.8	11.0	14.09	17.30
7-03	1107	--	7.117	6.211	.801	.906	15.3	11.0	12.26	14.90
7-05	1344	--	6.950	6.208	.677	.742	13.8	11.0	9.34	11.28
7-07	1015	--	6.802	6.194	.567	.608	13.5	11.0	7.65	8.68
7-09	1402	--	6.722	6.154	.520	.568	13.4	11.0	6.97	7.61
7-12	1123	--	6.592	6.120	.432	.472	13.2	11.0	5.70	5.70
7-16	1350	--	6.532	6.110	.402	.422	13.1	11.0	5.27	5.27
7-20	1354	--	6.553	6.108	.415	.445	13.0	11.0	5.39	5.39
7-23	1433	--	6.567	6.123	.413	.444	13.1	11.0	5.41	5.41
7-26	1010	--	6.523	6.098	.400	.425	12.8	11.0	5.12	5.12
7-29	1426	--	6.502	6.050	.393	.452	12.8	10.0	5.03	5.03
9-15	1200	--	6.465	6.061	.359	.404	12.3	10.0	4.41	4.47

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 11 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 40.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1533, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1111	--	6.840	6.129	0.653	0.711	13.7	12.0	8.95	8.95
5-14	1220	3.74	6.800	6.144	.604	.656	13.6	12.0	8.21	8.21
5-16	1014	2.61	6.710	6.154	.520	.556	13.3	12.0	6.91	6.91
5-19	1045	3.22	6.770	6.155	.568	.615	13.5	12.0	7.67	7.67
5-21	1047	8.31	7.055	6.103	.851	.952	14.5	12.0	12.34	12.34
5-22	1515	16.7	7.335	6.097	1.095	1.238	15.4	12.0	16.86	16.86
5-24	1340	26.2	7.570	6.080	1.299	1.490	16.0	12.0	20.79	20.79
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1105	5.67	6.945	6.181	.685	.764	14.4	12.0	9.86	9.86
5-28	1058	4.74	6.900	6.160	.687	.740	13.9	12.0	9.55	9.55
5-30	1046	3.28	6.780	6.203	.535	.577	13.6	12.0	7.27	7.27
6-01	1038	3.22	6.760	6.220	.501	.540	13.6	12.0	6.82	6.82
6-03	1037	3.28	6.775	6.191	.537	.584	13.8	12.0	7.42	7.42
6-05	0835	3.81	6.790	6.218	.533	.572	13.6	12.0	7.24	7.24
6-07	1012	4.51	6.885	6.184	.635	.701	14.1	12.0	8.96	8.96
6-09	1130	13.5	7.265	6.096	1.036	1.169	15.2	12.0	15.75	15.75
6-10	1120	19.3	7.445	6.093	1.191	1.352	15.5	12.0	18.45	18.45
6-11	1006	23.5	7.570	6.083	1.286	1.487	16.0	12.0	20.57	20.57
6-12	1010	30.6	7.720	6.091	1.464	1.629	15.4	12.0	22.54	22.54
6-13	1015	28.3	7.645	6.110	1.370	1.535	15.6	12.0	21.37	21.37
6-14	1050	23.5	7.570	6.109	1.267	1.461	16.0	12.0	20.28	20.28
6-15	1032	--	7.470	6.085	1.220	1.385	15.6	12.0	19.03	19.03
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1016	12.4	7.211	6.130	.974	1.081	15.0	12.0	14.61	14.61
6-18	1043	18.7	7.405	6.113	1.146	1.292	15.5	12.0	17.77	17.77
6-19	0900	17.0	7.380	6.097	1.133	1.283	15.4	12.0	17.45	17.45
6-20	0915	25.6	7.480	6.110	1.214	1.370	15.5	12.0	18.81	18.81
6-21	0947	21.4	7.480	6.111	1.202	1.369	15.6	12.0	18.76	18.76
6-23	0904	18.9	7.390	6.105	1.136	1.285	15.4	12.0	17.50	17.50
6-25	1555	13.7	7.300	6.115	1.060	1.185	15.3	12.0	16.22	16.22
6-27	1425	12.9	7.265	6.098	1.042	1.167	15.2	12.0	15.84	15.84
6-29	1500	--	6.915	6.121	.718	.794	14.4	12.0	10.34	10.34
7-01	1042	--	7.230	6.140	.979	1.090	15.1	12.0	14.79	14.79
7-03	1059	--	7.140	6.126	.907	1.014	15.0	12.0	13.61	13.61
7-05	1350	--	6.980	6.132	.769	.848	14.6	12.0	11.23	11.23
7-07	1009	--	6.830	6.160	.614	.670	14.0	12.0	8.60	8.60
7-09	1409	--	6.750	6.152	.549	.598	13.9	12.0	7.63	7.63
7-12	1117	--	6.635	6.164	.441	.471	13.5	12.0	5.95	5.95
7-16	1344	--	6.585	6.173	.385	.412	13.4	12.0	5.16	5.16
7-20	1349	--	6.600	6.176	.396	.424	13.4	12.0	5.30	5.30
7-23	1426	--	6.600	6.190	.381	.410	13.5	12.0	5.15	5.15
7-26	1005	--	6.575	6.173	.377	.402	13.3	12.0	5.01	5.01
7-29	1420	--	6.555	6.187	.344	.368	13.4	12.0	4.61	4.61
9-15	1140	--	6.510	6.182	.310	.328	13.1	12.0	4.06	4.06

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 12 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 41.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1573, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1105	--	6.859	6.312	0.538	0.547	13.9	13.0	7.47	7.47
5-14	1222	3.74	6.810	6.321	.483	.489	13.7	13.0	6.61	6.61
5-16	1010	2.61	6.720	6.312	.397	.408	13.9	13.0	5.52	5.52
5-19	1042	3.22	6.780	6.325	.463	.455	13.8	13.0	6.39	6.39
5-21	1039	8.31	7.065	6.283	.724	.782	14.7	13.0	10.64	10.64
5-22	1514	16.7	7.360	6.321	.978	1.039	14.9	13.0	14.57	14.57
5-24	1321	26.2	7.619	6.343	1.161	1.276	15.6	13.0	18.12	18.12
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1052	5.67	6.970	6.338	.625	.632	13.8	13.0	8.63	8.63
5-28	1057	4.74	6.920	6.348	.559	.572	14.0	13.0	7.83	7.83
5-30	1043	3.28	6.800	6.352	.441	.448	13.8	13.0	6.08	6.08
6-01	1033	3.22	6.780	6.328	.442	.452	13.7	13.0	6.06	6.06
6-03	1026	3.28	6.795	6.310	.475	.485	13.7	13.0	6.51	6.51
6-05	0826	3.81	6.810	6.315	.486	.495	13.8	13.0	6.71	6.71
6-07	1016	4.51	6.905	6.303	.589	.602	13.8	13.0	8.13	8.13
6-09	1110	13.5	7.295	6.305	.928	.990	14.9	13.0	13.83	13.83
6-10	1105	19.3	7.470	6.316	1.071	1.154	15.0	13.0	16.07	16.07
6-11	0951	23.5	7.589	6.300	1.172	1.289	15.7	13.0	18.40	18.40
6-12	0954	30.6	7.719	6.296	1.309	1.423	15.5	13.0	20.29	20.29
6-13	0953	28.3	7.664	6.335	1.209	1.329	15.8	13.0	19.10	19.10
6-14	1008	23.5	7.594	6.308	1.165	1.286	15.8	13.0	18.40	18.40
6-15	1013	--	7.505	6.309	1.100	1.196	15.4	13.0	16.93	16.93
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1000	12.4	7.245	6.326	.861	.919	14.7	13.0	12.66	12.66
6-18	1023	18.7	7.445	6.314	1.049	1.131	15.1	13.0	15.84	15.84
6-19	0849	17.0	7.410	6.292	1.055	1.118	14.8	13.0	15.61	15.61
6-20	0904	25.6	7.500	6.327	1.096	1.173	15.1	13.0	16.56	16.56
6-21	0933	21.4	7.505	6.297	1.121	1.208	15.1	13.0	16.93	16.93
6-23	0851	18.9	7.410	6.310	1.030	1.100	14.9	13.0	15.35	15.35
6-25	1616	13.7	7.320	6.292	.958	1.028	14.8	13.0	14.18	14.18
6-27	1447	12.9	7.285	6.295	.924	.990	14.9	13.0	13.76	13.76
6-29	1357	--	6.940	6.315	.602	.625	14.3	13.0	8.60	8.60
7-01	1035	--	7.260	6.312	.888	.948	14.7	13.0	13.06	13.06
7-03	1053	--	7.160	6.301	.795	.859	14.8	13.0	11.77	11.77
7-05	1240	--	7.010	6.291	.695	.719	14.2	13.0	9.87	9.87
7-07	1001	--	6.850	6.328	.512	.522	13.9	13.0	7.12	7.12
7-09	1412	--	6.770	6.322	.441	.448	13.8	13.0	6.09	6.09
7-12	1109	--	6.650	6.325	.332	.325	13.7	13.0	4.55	4.55
7-16	1342	--	6.600	6.302	.282	.298	13.5	12.0	3.81	3.81
7-20	1346	--	6.610	6.307	.308	.303	13.7	13.0	4.22	4.22
7-23	1423	--	6.610	6.315	.299	.295	13.7	13.0	4.10	4.10
7-26	0959	--	6.580	6.290	.274	.290	13.6	12.0	3.73	3.73
7-29	1418	--	6.570	6.304	.250	.266	13.6	12.0	3.40	3.40
9-15	1130	--	6.520	6.292	.214	.228	13.6	12.0	2.91	2.91

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 13 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 42.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1610, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1101	--	6.940	6.427	0.464	0.513	17.3	15.0	8.02	8.02
5-14	1155	3.74	6.905	6.408	.447	.497	17.3	15.0	7.73	7.73
5-16	1005	2.61	6.805	6.411	.364	.394	16.4	15.0	5.98	5.98
5-19	1035	3.22	6.875	6.386	.450	.489	16.8	15.0	7.56	7.56
5-21	1030	8.31	7.115	6.413	.637	.702	17.7	15.0	11.27	11.27
5-22	1454	16.7	7.410	6.494	.840	.916	18.4	15.0	15.45	15.45
5-24	1318	26.2	7.629	6.525	1.009	1.104	18.8	15.0	18.96	18.96
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1048	5.67	7.005	6.432	.518	.573	17.5	15.0	9.06	9.06
5-28	1042	4.74	6.960	6.428	.478	.532	17.6	15.0	8.41	8.41
5-30	1013	3.28	6.835	6.412	.385	.423	17.0	15.0	6.54	6.54
6-01	1023	3.22	6.810	6.415	.361	.395	16.9	15.0	6.10	6.10
6-03	1008	3.28	6.825	6.405	.383	.420	17.0	15.0	6.51	6.51
6-05	0807	3.81	6.840	6.388	.411	.452	17.0	15.0	6.99	6.99
6-07	0958	4.51	6.940	6.421	.467	.519	17.5	15.0	8.17	8.17
6-09	1110	13.5	7.345	6.425	.834	.920	18.4	15.0	15.34	15.34
6-10	1057	19.3	7.525	6.523	.924	1.002	18.5	15.0	17.09	17.09
6-11	0932	23.5	7.634	6.528	1.007	1.106	18.7	15.0	18.83	18.83
6-12	0925	30.6	7.729	6.520	1.087	1.209	18.8	15.0	20.43	20.43
6-13	0929	28.3	7.689	6.513	1.061	1.176	18.8	15.0	19.95	19.95
6-14	0939	23.5	7.629	6.502	1.026	1.127	18.7	15.0	19.19	19.19
6-15	0955	--	7.545	6.497	.949	1.048	18.6	15.0	17.65	17.65
6-16	--	--	--	--	--	--	--	--	--	--
6-17	0945	12.4	7.290	6.451	.761	.839	18.1	15.0	13.77	13.77
6-18	1000	18.7	7.474	6.492	.883	.982	18.7	15.0	16.51	16.51
6-19	0831	17.0	7.460	6.503	.874	.957	18.5	15.0	16.17	16.17
6-20	0851	25.6	7.535	6.467	.973	1.068	18.7	15.0	18.19	18.19
6-21	0915	21.4	7.550	6.496	.961	1.054	18.5	15.0	17.78	17.78
6-23	0836	18.9	7.450	6.480	.890	.970	18.4	15.0	16.37	16.37
6-25	1635	13.7	7.365	6.460	.823	.905	18.4	15.0	15.14	15.14
6-27	1504	12.9	7.335	6.457	.795	.878	18.5	15.0	14.71	14.71
6-29	1600	--	6.955	6.406	.509	.549	17.2	15.0	8.76	8.76
7-01	1026	--	7.290	6.434	.784	.856	18.1	15.0	14.18	14.18
7-03	1044	--	7.210	6.443	.699	.767	17.9	15.0	12.51	12.51
7-05	1100	--	7.050	6.402	.602	.648	17.4	15.0	10.47	10.47
7-07	0958	--	6.885	6.407	.442	.478	17.0	15.0	7.51	7.51
7-09	1417	--	6.805	6.395	.380	.410	16.9	15.0	6.41	6.41
7-12	1103	--	6.685	6.388	.279	.297	16.3	15.0	4.55	4.55
7-16	1332	--	6.645	6.389	.247	.256	15.7	15.0	3.88	3.88
7-20	1339	--	6.655	6.372	.271	.283	15.9	15.0	4.30	4.30
7-23	1414	--	6.655	6.382	.261	.273	15.9	15.0	4.15	4.15
7-26	0955	--	6.635	6.378	.249	.257	15.7	15.0	3.90	3.90
7-29	1411	--	6.605	6.364	.233	.241	15.7	15.0	3.65	3.65
9-15	1110	--	6.565	6.332	.226	.233	15.7	15.0	3.55	3.55

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 15 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 43.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1662, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1048	--	6.965	6.069	0.850	0.896	17.4	16.0	14.78	14.78
5-14	1154	3.74	6.925	6.110	.762	.815	17.8	16.0	13.56	13.56
5-16	0954	2.61	6.820	6.095	.683	.725	17.5	16.0	11.94	11.94
5-19	1025	3.22	6.895	6.100	.739	.795	17.7	16.0	13.08	13.08
5-21	1024	8.31	7.160	6.094	.991	1.066	18.0	16.0	17.84	17.84
5-22	1449	16.7	7.473	6.072	1.012	1.401	24.5	16.0	24.80	24.80
5-24	1258	26.2	7.682	6.009	1.235	1.673	25.0	16.0	30.88	30.88
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1032	5.67	7.035	6.031	.969	1.004	17.3	16.0	16.76	16.76
5-28	1039	4.74	6.985	5.999	.941	.986	17.5	16.0	16.47	16.47
5-30	1005	3.28	6.855	5.991	.824	.864	17.3	16.0	14.25	14.25
6-01	1023	3.22	6.835	5.896	.780	.939	17.4	14.0	13.58	13.58
6-03	1003	3.28	6.855	6.004	.804	.851	17.5	16.0	14.08	14.08
6-05	0801	3.81	6.860	6.020	.797	.840	17.5	16.0	13.94	13.94
6-07	1000	4.51	6.975	5.996	.898	.979	18.3	16.0	16.43	16.43
6-09	1047	13.5	7.391	6.028	1.248	1.363	18.8	16.0	23.46	23.46
6-10	1038	19.3	7.575	5.997	1.155	1.578	24.7	16.0	28.53	28.53
6-11	1146	23.5	7.699	5.953	1.293	1.746	25.0	16.0	32.33	32.33
6-12	1206	30.6	7.805	5.959	1.391	1.846	25.0	16.0	34.77	34.77
6-13	1107	28.3	7.745	5.947	1.347	1.798	25.0	16.0	33.68	33.68
6-14	0921	23.5	7.669	5.943	1.271	1.726	25.0	16.0	31.77	31.77
6-15	1140	--	7.595	5.929	1.227	1.666	24.5	16.0	30.05	30.05
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1112	12.4	7.331	6.023	1.215	1.308	18.5	16.0	22.49	22.49
6-18	1142	18.7	7.565	6.039	1.142	1.526	24.5	16.0	27.97	27.97
6-19	1005	17.0	7.525	5.994	1.125	1.531	24.5	16.0	27.57	27.57
6-20	1034	25.6	7.635	6.006	1.212	1.629	24.5	16.0	29.69	29.69
6-21	1030	21.4	7.615	6.025	1.181	1.590	24.6	16.0	29.06	29.06
6-23	1008	18.9	7.525	5.996	1.112	1.529	24.6	16.0	27.35	27.35
6-25	1520	13.7	7.431	6.037	1.273	1.394	18.9	16.0	24.05	24.05
6-27	1502	12.9	7.381	6.035	1.245	1.346	18.8	16.0	23.40	23.40
6-29	1424	--	7.000	6.045	.904	.955	17.8	16.0	16.09	16.09
7-01	1015	--	7.331	6.130	1.121	1.201	18.7	16.0	20.96	20.96
7-03	1034	--	7.250	6.086	1.085	1.164	18.5	16.0	20.08	20.08
7-05	1402	--	7.060	6.118	.889	.942	18.2	16.0	16.18	16.18
7-07	0950	--	6.905	6.122	.752	.783	17.5	16.0	13.17	13.17
7-09	1430	--	6.815	6.014	.676	.801	17.5	14.0	11.84	11.84
7-12	1057	--	6.693	5.936	.683	.757	14.2	12.0	9.69	9.69
7-16	1329	--	6.653	5.947	.645	.706	13.9	12.0	8.97	8.97
7-20	1333	--	6.663	5.938	.659	.725	14.0	12.0	9.23	9.23
7-23	1403	--	6.663	5.933	.662	.730	14.0	12.0	9.27	9.27
7-26	0950	--	6.633	5.940	.637	.693	13.8	12.0	8.78	8.78
7-29	1404	--	6.623	5.932	.630	.691	13.9	12.0	8.76	8.76
9-15	1050	--	6.573	5.936	.582	.637	13.8	12.0	8.03	8.03

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 16 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 44.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1695, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1041	--	6.976	6.485	0.472	0.491	17.8	16.0	8.41	8.41
5-14	1133	3.74	6.940	6.504	.415	.436	17.9	16.0	7.44	7.44
5-16	0950	2.61	6.830	6.511	.304	.319	17.7	16.0	5.37	5.37
5-19	1020	3.22	6.906	6.498	.388	.408	17.8	16.0	6.90	6.90
5-21	1018	8.31	7.190	6.484	.645	.706	19.1	16.0	12.32	12.32
5-22	1431	16.7	7.512	6.486	.946	1.026	19.7	16.0	18.63	18.63
5-24	1220	26.2	7.716	6.622	.966	1.094	21.7	16.0	20.97	20.97
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1028	5.67	7.070	6.567	.459	.503	19.0	16.0	8.71	8.71
5-28	1028	4.74	7.014	6.546	.429	.468	18.7	16.0	8.02	8.02
5-30	1005	3.28	6.880	6.543	.313	.337	18.0	16.0	5.64	5.64
6-01	1018	3.22	6.853	6.521	.322	.332	16.2	15.0	5.21	5.21
6-03	1000	3.28	6.870	6.537	.308	.333	18.0	16.0	5.55	5.55
6-05	0757	3.81	6.880	6.531	.334	.349	18.0	16.0	6.01	6.01
6-07	0948	4.51	7.006	6.534	.431	.472	18.5	16.0	7.98	7.98
6-09	1055	13.5	7.433	6.545	.834	.888	19.4	16.0	16.18	16.18
6-10	1050	19.3	7.601	6.520	.929	1.081	21.7	16.0	20.16	20.16
6-11	1128	23.5	7.727	6.562	1.005	1.165	21.8	16.0	21.92	21.92
6-12	1134	30.6	7.816	6.604	1.024	1.212	23.0	16.0	23.54	23.54
6-13	1050	28.3	7.772	6.632	.981	1.140	23.0	16.0	22.57	22.57
6-14	0938	23.5	7.707	6.651	.925	1.056	22.1	16.0	20.45	20.45
6-15	1120	--	7.632	6.633	.863	.999	22.1	16.0	19.07	19.07
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1058	12.4	7.370	6.547	.771	.823	19.7	16.0	15.20	15.20
6-18	1119	18.7	7.587	6.527	.905	1.060	22.1	16.0	20.00	20.00
6-19	0948	17.0	7.546	6.576	.820	.970	21.9	16.0	17.95	17.95
6-20	1014	25.6	7.662	6.560	.961	1.102	22.1	16.0	21.25	21.25
6-21	1012	21.4	7.632	6.529	.951	1.103	22.1	16.0	21.02	21.02
6-23	0950	18.9	7.552	6.539	.867	1.013	22.1	16.0	19.16	19.16
6-25	1540	13.7	7.470	6.564	.855	.906	19.9	16.0	17.02	17.02
6-27	1523	12.9	7.407	6.542	.812	.865	19.8	16.0	16.07	16.07
6-29	1429	--	7.024	6.528	.482	.496	18.4	16.0	8.87	8.87
7-01	1008	--	7.367	6.485	.827	.882	19.8	16.0	16.37	16.37
7-03	1026	--	7.277	6.520	.707	.757	19.7	16.0	13.93	13.93
7-05	1409	--	7.096	6.517	.549	.579	18.7	16.0	10.27	10.27
7-07	0942	--	6.936	6.522	.398	.414	18.4	16.0	7.31	7.31
7-09	1436	--	6.846	6.496	.333	.350	18.2	16.0	6.06	6.06
7-12	1049	--	6.713	6.465	.231	.248	15.8	14.0	3.65	3.65
7-16	1324	--	6.663	6.458	.203	.205	15.1	14.0	3.07	3.07
7-20	1332	--	6.683	6.463	.212	.220	15.0	14.0	3.17	3.17
7-23	1357	--	6.683	6.455	.209	.228	15.0	13.0	3.13	3.13
7-26	0947	--	6.653	6.455	.180	.198	14.9	13.0	2.68	2.68
7-29	1358	--	6.633	6.448	.174	.185	14.3	13.0	2.49	2.49
9-15	1035	--	6.581	6.298	.265	.283	7.8	7.0	2.07	2.07

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 16 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 45.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1730, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2) WATER LEVEL(3) (M)	MEAN ELEVATION(2) ACTIVE BED(4) (M)	MEAN DEPTH CHANNEL WIDE(5) (M)	MEAN DEPTH ACTIVE BED(6) (M)	WIDTH WATER SURFACE(7) (M)	WIDTH ACTIVE BED(8) (M)	FLOW AREA (9) (M^2)	FLOW AREA TOTAL(10) (M^2)
5-13	1030	--	7.000	6.390	0.567	0.610	15.5	14.0	8.79	8.79
5-14	1132	3.74	6.956	6.413	.513	.543	15.1	14.0	7.74	7.74
5-16	0941	2.61	6.850	6.398	.434	.452	14.7	14.0	6.38	6.38
5-19	1011	3.22	6.920	6.394	.495	.526	15.1	14.0	7.47	7.47
5-21	1014	8.31	7.205	6.441	.632	.764	17.9	14.0	11.31	11.31
5-22	1422	16.7	7.521	6.450	.902	1.071	18.7	14.0	16.87	16.87
5-24	1155	26.2	7.740	6.476	.995	1.264	21.0	14.0	20.90	20.90
5-26	---	---	---	---	---	---	---	---	---	---
5-27	1016	5.67	7.096	6.427	.620	.669	15.5	14.0	9.61	9.61
5-28	1024	4.74	7.040	6.420	.578	.620	15.3	14.0	8.85	8.85
5-30	0959	3.28	6.900	6.407	.475	.493	14.7	14.0	6.99	6.99
6-01	1016	3.22	6.867	6.385	.465	.482	14.6	14.0	6.79	6.79
6-03	0944	3.28	6.890	6.394	.479	.496	14.7	14.0	7.04	7.04
6-05	0737	3.81	6.900	6.396	.486	.504	14.7	14.0	7.14	7.14
6-07	0940	4.51	7.016	6.422	.562	.594	15.1	14.0	8.48	8.48
6-09	1032	13.5	7.436	6.404	.859	1.032	18.5	14.0	15.89	15.89
6-10	1035	19.3	7.610	6.430	.935	1.180	20.2	14.0	18.88	18.88
6-11	1107	23.5	7.736	6.477	.994	1.259	21.0	14.0	20.88	20.88
6-12	1113	30.6	7.830	6.440	1.123	1.390	21.0	14.0	23.58	23.58
6-13	1034	28.3	7.785	6.445	1.067	1.340	21.0	14.0	22.41	22.41
6-14	0904	23.5	7.725	6.425	1.018	1.300	21.0	14.0	21.38	21.38
6-15	1105	--	7.650	6.412	.977	1.238	20.2	14.0	19.73	19.73
6-16	---	---	---	---	---	---	---	---	---	---
6-17	1045	12.4	7.392	6.365	.917	1.027	16.8	14.0	15.41	15.41
6-18	1110	18.7	7.595	6.376	.951	1.219	20.2	14.0	19.21	19.21
6-19	0932	17.0	7.561	6.355	.985	1.206	19.1	14.0	18.82	18.82
6-20	0958	25.6	7.665	6.354	1.030	1.311	20.4	14.0	21.02	21.02
6-21	0955	21.4	7.645	6.336	1.033	1.309	20.2	14.0	20.87	20.87
6-23	0934	18.9	7.572	6.362	.989	1.210	19.0	14.0	18.79	18.79
6-25	1545	13.7	7.471	6.379	.888	1.092	18.7	14.0	16.60	16.60
6-27	1543	12.9	7.411	6.364	.862	1.047	18.6	14.0	16.03	16.03
6-29	1438	--	7.040	6.358	.641	.682	15.3	14.0	9.81	9.81
7-01	1000	--	7.371	6.346	.851	1.025	18.6	14.0	15.82	15.82
7-03	1018	--	7.292	6.386	.840	.906	16.3	14.0	13.69	13.69
7-05	1412	--	7.106	6.373	.679	.733	15.7	14.0	10.65	10.65
7-07	0937	--	6.946	6.373	.541	.573	15.3	14.0	8.28	8.28
7-09	1441	--	6.860	6.373	.463	.487	15.0	14.0	6.94	6.94
7-12	1045	--	6.730	6.373	.346	.357	14.5	14.0	5.02	5.02
7-16	1317	--	6.680	6.375	.307	.305	14.1	14.0	4.33	4.33
7-20	1328	--	6.694	6.358	.331	.336	14.2	14.0	4.70	4.70
7-23	1355	--	6.690	6.368	.314	.322	14.4	14.0	4.52	4.52
7-26	0942	--	6.660	6.364	.292	.296	14.2	14.0	4.14	4.14
7-29	1353	--	6.644	6.360	.280	.284	14.1	14.0	3.95	3.95
9-15	1020	--	6.590	6.345	.234	.245	13.7	13.0	3.20	3.20

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 14 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 46.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1766, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1018	--	7.014	6.260	0.641	0.754	17.0	14.0	10.90	10.90
5-14	1110	3.74	6.977	6.316	.571	.661	16.5	14.0	9.42	9.42
5-16	0937	2.61	6.860	6.387	.479	.473	14.0	14.0	6.71	6.71
5-19	1005	3.22	6.937	6.446	.445	.491	15.7	14.0	6.98	6.98
5-21	1000	8.31	7.260	6.357	.723	.903	19.0	14.0	13.74	13.74
5-22	1405	16.7	7.576	6.234	.918	1.342	24.4	14.0	22.40	22.40
5-24	1139	26.2	7.795	6.145	1.107	1.650	26.0	14.0	28.78	28.78
5-26	--	--	--	--	--	--	--	--	--	--
5-27	1004	5.67	7.117	6.149	.822	.968	17.0	14.0	13.97	13.97
5-28	1007	4.74	7.064	6.182	.756	.882	16.8	14.0	12.70	12.70
5-30	0948	3.28	6.917	6.194	.675	.723	15.1	14.0	10.20	10.20
6-01	1005	3.22	6.897	6.176	.675	.721	15.1	14.0	10.19	10.19
6-03	0931	3.28	6.915	6.357	.514	.558	15.4	14.0	7.92	7.92
6-05	0732	3.81	6.917	6.357	.519	.560	15.3	14.0	7.94	7.94
6-07	0931	4.51	7.044	6.322	.627	.722	16.6	14.0	10.41	10.41
6-09	1030	13.5	7.488	6.159	.967	1.329	21.7	14.0	20.98	20.98
6-10	1022	19.3	7.665	6.132	1.012	1.533	25.4	14.0	25.71	25.71
6-11	1046	23.5	7.786	6.132	1.101	1.654	26.0	14.0	28.63	28.63
6-12	1045	30.6	7.865	6.093	1.195	1.772	26.0	14.0	31.07	31.07
6-13	1016	28.3	7.815	6.069	1.168	1.746	26.0	14.0	30.37	30.37
6-14	0915	23.5	7.765	6.084	1.123	1.681	26.0	14.0	29.19	29.19
6-15	1050	--	7.695	6.076	1.064	1.619	26.0	14.0	27.68	27.68
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1030	12.4	7.416	6.044	1.044	1.372	20.5	14.0	21.39	21.39
6-18	1050	18.7	7.635	6.026	1.043	1.609	25.7	14.0	26.79	26.79
6-19	0910	17.0	7.610	6.083	.992	1.527	25.4	14.0	25.19	25.19
6-20	0943	25.6	7.701	6.034	1.092	1.667	26.0	14.0	28.39	28.39
6-21	0938	21.4	7.685	6.014	1.092	1.671	26.0	14.0	28.38	28.38
6-23	0917	18.9	7.590	6.038	1.004	1.552	25.4	14.0	25.51	25.51
6-25	1605	13.7	7.486	6.090	1.033	1.396	21.7	14.0	22.42	22.42
6-27	1535	12.9	7.440	6.079	1.000	1.361	21.5	14.0	21.51	21.51
6-29	1442	--	7.057	6.116	.829	.941	17.0	14.0	14.10	14.10
7-01	0950	--	7.386	6.095	1.003	1.291	20.2	14.0	20.26	20.26
7-03	1010	--	7.307	6.056	1.017	1.251	19.0	14.0	19.33	19.33
7-05	1420	--	7.127	6.082	.895	1.045	17.6	14.0	15.75	15.75
7-07	0932	--	6.957	6.131	.761	.826	16.0	14.0	12.18	12.18
7-09	1450	--	6.867	6.147	.685	.720	15.3	14.0	10.48	10.48
7-12	1037	--	6.740	6.199	.507	.541	13.4	12.0	6.80	6.80
7-16	1313	--	6.680	6.282	.370	.398	12.6	11.0	4.67	4.67
7-20	1323	--	6.700	6.362	.337	.338	13.0	12.0	4.38	4.38
7-23	1346	--	6.690	6.341	.362	.349	13.2	12.0	4.78	4.78
7-26	0936	--	6.670	6.312	.346	.358	12.9	11.0	4.46	4.46
7-29	1348	--	6.650	6.312	.328	.338	12.8	11.0	4.20	4.20
9-15	1000	--	6.600	6.320	.287	.280	12.3	11.0	3.53	3.53

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 14 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 47.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1800, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1011	--	7.026	6.602	0.424	0.424	19.1	18.0	8.10	8.10
5-14	1110	3.74	6.986	6.607	.381	.379	19.1	18.0	7.27	7.27
5-16	0925	2.61	6.866	6.575	.291	.291	19.4	18.0	5.64	5.64
5-19	0945	3.22	6.956	6.573	.380	.383	19.0	18.0	7.23	7.23
5-21	0953	8.31	7.270	6.528	.712	.742	19.5	18.0	13.89	13.89
5-22	1339	16.7	7.586	6.534	.929	1.052	22.0	18.0	20.44	20.44
5-24	1102	26.2	7.796	6.501	1.168	1.295	22.0	18.0	25.70	25.70
5-26	--	--	--	--	--	--	--	--	--	--
5-27	0951	5.67	7.120	6.607	.507	.513	19.1	18.0	9.69	9.69
5-28	0952	4.74	7.070	6.603	.463	.467	19.0	18.0	8.80	8.80
5-30	0946	3.28	6.930	6.615	.310	.315	19.1	18.0	5.92	5.92
6-01	1005	3.22	6.900	6.564	.332	.336	19.0	18.0	6.30	6.30
6-03	0927	3.28	6.920	6.544	.367	.376	19.2	18.0	7.04	7.04
6-05	0729	3.81	6.926	6.541	.376	.385	19.2	18.0	7.23	7.23
6-07	0925	4.51	7.056	6.516	.529	.540	19.4	18.0	10.26	10.26
6-09	1008	13.5	7.492	6.511	.892	.981	21.0	18.0	18.73	18.73
6-10	1006	19.3	7.672	6.518	1.018	1.154	22.2	18.0	22.60	22.60
6-11	1015	23.5	7.782	6.511	1.138	1.271	22.0	18.0	25.03	25.03
6-12	1016	30.6	7.862	6.519	1.213	1.343	22.0	18.0	26.68	26.68
6-13	0952	28.3	7.812	6.485	1.187	1.327	22.0	18.0	26.11	26.11
6-14	0845	23.5	7.762	6.470	1.149	1.292	22.0	18.0	25.27	25.27
6-15	1025	--	7.702	6.474	1.090	1.228	22.0	18.0	23.99	23.99
6-16	--	--	--	--	--	--	--	--	--	--
6-17	1013	12.4	7.432	6.559	.823	.873	20.2	18.0	16.62	16.62
6-18	1025	18.7	7.638	6.508	1.005	1.130	22.0	18.0	22.12	22.12
6-19	0855	17.0	7.612	6.483	.994	1.129	22.0	18.0	21.86	21.86
6-20	0916	25.6	7.706	6.510	1.064	1.196	22.0	18.0	23.41	23.41
6-21	0919	21.4	7.702	6.483	1.082	1.219	22.0	18.0	23.80	23.80
6-23	0859	18.9	7.616	6.547	.942	1.069	22.0	18.0	20.72	20.72
6-25	1620	13.7	7.516	6.529	.903	.987	20.9	18.0	18.86	18.86
6-27	1547	12.9	7.466	6.572	.832	.894	20.5	18.0	17.05	17.05
6-29	1454	--	7.066	6.599	.463	.467	19.1	18.0	8.84	8.84
7-01	0945	--	7.416	6.595	.777	.821	20.1	18.0	15.61	15.61
7-03	1002	--	7.340	6.564	.741	.776	19.7	18.0	14.60	14.60
7-05	1427	--	7.140	6.578	.554	.562	19.2	18.0	10.64	10.64
7-07	0925	--	6.966	6.600	.361	.366	19.3	18.0	6.97	6.97
7-09	1452	--	6.886	6.557	.321	.329	19.2	18.0	6.17	6.17
7-12	1031	--	6.747	6.362	.360	.385	13.2	12.0	4.75	4.75
7-16	1307	--	6.690	6.295	.358	.395	12.4	11.0	4.44	4.44
7-20	1318	--	6.712	6.304	.370	.408	12.5	11.0	4.62	4.62
7-23	1344	--	6.712	6.299	.377	.413	12.3	11.0	4.64	4.64
7-26	0931	--	6.670	6.272	.370	.398	12.1	11.0	4.48	4.48
7-29	1346	--	6.660	6.295	.343	.365	11.9	11.0	4.08	4.08
9-15	0950	--	6.600	6.356	.241	.244	11.6	11.0	2.80	2.80

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 18 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 48.- SUMMARY DATA OF MAIN-CHANNEL HYDRAULIC GEOMETRY, SECTION 1830, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	MEAN ELEVATION(2)		MEAN DEPTH		WIDTH		FLOW AREA	
			WATER LEVEL(3) (M)	ACTIVE BED(4) (M)	CHANNEL WIDE(5) (M)	ACTIVE BED(6) (M)	WATER SURFACE(7) (M)	ACTIVE BED(8) (M)	(9) (M^2)	TOTAL(10) (M^2)
5-13	1000	--	7.054	6.608	0.439	0.446	25.2	22.0	11.07	11.07
5-14	1036	3.74	7.014	6.617	.388	.397	25.0	22.0	9.69	9.69
5-16	0925	2.61	6.894	6.602	.291	.292	24.5	22.0	7.13	7.13
5-19	0935	3.22	6.964	6.601	.366	.363	24.3	22.0	8.90	8.90
5-21	0953	8.31	7.278	6.580	.675	.698	25.3	22.0	17.07	17.07
5-22	1313	16.7	7.613	6.616	.961	.997	25.9	22.0	24.89	24.89
5-24	1025	26.2	7.813	6.624	1.157	1.189	26.0	22.0	30.09	30.09
5-26	--	--	--	--	--	--	--	--	--	--
5-27	0955	5.67	7.144	6.636	.499	.508	25.1	22.0	12.52	12.52
5-28	0958	4.74	7.089	6.623	.457	.466	25.4	22.0	11.60	11.60
5-30	0944	3.28	6.949	6.604	.338	.345	24.9	22.0	8.40	8.40
6-01	1005	3.22	6.919	6.597	.319	.322	24.4	22.0	7.80	7.80
6-03	0923	3.28	6.939	6.587	.346	.352	24.7	22.0	8.54	8.54
6-05	0726	3.81	6.939	6.590	.342	.349	24.8	22.0	8.48	8.48
6-07	0918	4.51	7.069	6.588	.468	.481	25.0	22.0	11.69	11.69
6-09	1000	13.5	7.498	6.575	.902	.923	25.3	22.0	22.82	22.82
6-10	0951	19.3	7.688	6.611	1.043	1.077	26.0	22.0	27.11	27.11
6-11	0945	23.5	7.794	6.619	1.145	1.175	26.0	22.0	29.76	29.76
6-12	0940	30.6	7.879	6.645	1.203	1.234	26.0	22.0	31.27	31.27
6-13	0928	28.3	7.838	6.623	1.185	1.215	26.0	22.0	30.81	30.81
6-14	0851	23.5	7.779	6.607	1.150	1.172	26.0	22.0	29.89	29.89
6-15	1005	--	7.713	6.622	1.057	1.091	26.0	22.0	27.47	27.47
6-16	--	--	--	--	--	--	--	--	--	--
6-17	0953	12.4	7.448	6.594	.848	.854	25.2	22.0	21.36	21.36
6-18	1008	18.7	7.649	6.575	1.045	1.074	26.0	22.0	27.18	27.18
6-19	0835	17.0	7.628	6.595	1.005	1.033	25.9	22.0	26.02	26.02
6-20	0910	25.6	7.709	6.596	1.077	1.113	26.0	22.0	28.00	28.00
6-21	0907	21.4	7.709	6.620	1.063	1.089	26.0	22.0	27.63	27.63
6-23	0853	18.9	7.629	6.624	.986	1.005	26.0	22.0	25.63	25.63
6-25	1647	13.7	7.510	6.613	.892	.897	25.4	22.0	22.66	22.66
6-27	1614	12.9	7.460	6.638	.818	.822	25.5	22.0	20.86	20.86
6-29	1500	--	7.080	6.612	.463	.468	25.6	22.0	11.85	11.85
7-01	0942	--	7.430	6.616	.802	.814	25.7	22.0	20.62	20.62
7-03	0958	--	7.350	6.628	.714	.722	25.7	22.0	18.35	18.35
7-05	1440	--	7.150	6.634	.509	.516	25.5	22.0	12.98	12.98
7-07	0921	--	6.980	6.603	.383	.377	24.6	22.0	9.43	9.43
7-09	1504	--	6.890	6.593	.296	.297	24.9	22.0	7.37	7.37
7-12	1027	--	6.770	6.540	.250	.230	20.2	19.0	5.05	5.05
7-16	1302	--	6.700	6.420	.249	.280	18.4	14.0	4.58	4.58
7-20	1311	--	6.720	6.458	.261	.262	18.6	16.0	4.86	4.86
7-23	1338	--	6.714	6.419	.249	.295	18.8	14.0	4.68	4.68
7-26	0927	--	6.684	6.399	.232	.285	18.0	13.0	4.17	4.17
7-29	1333	--	6.664	6.380	.217	.284	17.9	12.0	3.89	3.89
9-15	0930	--	6.614	6.385	.198	.229	17.2	13.0	3.40	3.40

(1) DISCHARGE LISTED IS THAT AT SECTION 0000 AT THE TIME SECTION 0000 WAS MEASURED.
(2) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(3) MEAN CENTERLINE WATER LEVEL DETERMINED FROM LEFT- AND RIGHT-BANK STAFF GAGES.
(4) MEAN BED ELEVATION OVER THE ACTIVE WIDTH OF THE STREAMBED.
(5) MEAN DEPTH ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(6) MEAN DEPTH OVER THE ACTIVE WIDTH OF THE STREAMBED; EQUALS DIFFERENCE IN MEAN ELEVATION OF WATER LEVEL AND ACTIVE BED.
(7) DISTANCE ACROSS FULL WIDTH OF MAIN CHANNEL, EXCLUDING SHALLOW OVERBANK FLOWS.
(8) DISTANCE ACROSS WIDTH OF ACTIVE BED; MAXIMUM VALUE IS 22 METERS.
(9) FLOW AREA OF MAIN CHANNEL; EQUALS PRODUCT OF CHANNEL-WIDE MEAN DEPTH AND WATER SURFACE WIDTH.
(10) FLOW AREA INCLUDING SEPARATELY-MEASURED SECONDARY CHANNELS, IF ANY, BUT EXCLUDING SHALLOW OVERBANK FLOWS.

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980

	DATE														
	5-12			5-13			5-14			5-16			5-19		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	1645	5.64	5.62	1536	5.57	5.55	1730	5.51	5.50*	1515	5.42	5.41	1525	5.47	5.47*
0026	1645	5.67	5.66	1535	5.60	5.61	1530	5.55	5.55	1512	5.47	5.46	1522	5.53	5.53
0043	1644	5.68	5.70	1534	5.62	5.63	1720	5.57	5.58	1510	5.48	5.49	1520	5.54	5.55
0075	1644	5.71	5.73	1529	5.65	5.66	1506	5.59	5.60	1500	5.51	5.52*	1514	5.56	5.57
0104	1643	5.71	5.71	1527	5.64	5.65	1705	5.58	5.59	1455	5.49	5.52*	1510	5.56	5.56
0120	1643	5.72	5.74	1526	5.66	5.69	1710	5.60	5.63	1455	5.52	5.54*	1505	5.60	5.61
0137	1642	5.76	5.76	1525	5.69	5.69	1700	5.63	5.64	1450	5.55	5.55*	1500	5.62	5.62
0158	1642	5.77	5.79	1523	5.70	5.72	1715	5.65	5.67	1330	5.57*	5.58*	1455	5.62*	5.64
0178	1641	5.81	5.82	1510	5.75	5.75	1700	5.69	5.69	1435	5.61	5.61	1451	5.67	5.68
0204	1641	5.82	5.83	1508	5.75	5.76	1655	5.70*	5.70	1430	5.62*	5.62	1450	5.69*	5.69
0220	1640	5.84	5.84*	1504	5.76	5.78	1646	5.71	5.72	1425	5.63	5.64	1445	5.70	5.70
0238	1640	5.85	5.85*	1503	5.78	5.78*	1748	5.72	5.72*	1425	5.64	5.64*	1442	5.70	5.70*
0257	1639	5.87	5.87*	1500	5.80	5.79	1745	5.74	5.73*	1420	5.66	5.65*	1439	5.73	5.72
0276	1639	5.88	5.85	1459	5.81	5.78	1650	5.75	5.73	1410	5.67*	5.65*	1435	5.75	5.71
0301	1638	5.87	5.88	1450	5.81	5.81	1635	5.75	5.75	1407	5.67	5.67*	1430	5.75	5.76
0327	1638	5.90	5.88	1448	5.83	5.81	1640	5.77	5.75	1400	5.69*	5.67*	1428	5.78	5.76
0348	1637	5.91	5.91*	1446	5.84	5.85	1625	5.79	5.79	1354	5.72	5.72	1424	5.79	5.79
0372	1637	5.91*	5.91	1443	5.85*	5.85	1610	5.80*	5.80	1345	5.73*	5.73*	1421	5.80*	5.80
0421	1636	5.97	5.97	1440	5.91	5.92	1605	5.85	5.87	1340	5.77	5.79	1415	5.83	5.84
0446	1636	6.00	6.00	1432	5.94	5.93	1620	5.88	5.88	1337	5.80*	5.80*	1414	5.85*	5.85
0460	1635	6.02	6.01*	1430	5.96	5.95	1600	5.90	5.89	1335	5.83	5.82*	1409	5.88	5.87
0497	1635	6.03	6.03	1421	5.97	5.96	1600	5.92	5.91	1333	5.86*	5.84	1405	5.92*	5.89
0516	1634	6.04	6.04	1420	5.98	5.98	1545	5.94	5.93	1325	5.85*	5.85	1400	5.90	5.91
0535	1634	6.05	6.04	1415	5.99	5.97	1615	5.93	5.93	1322	5.85*	5.85*	1358	5.90	5.90
0556	1633	6.06	6.05*	1410	5.99	5.99	1600	5.93	5.93	1320	5.86	5.86*	1352	5.91	5.91
0578	1633	6.06	6.04	1407	6.00	5.98	1539	5.94	5.93	1315	5.86*	5.85	1350	5.91*	5.90
0602	1632	6.07	6.07	1406	6.00	6.00	1534	5.96	5.94	1310	5.87	5.87	1345	5.92	5.92
0633	1632	6.07	6.07	1405	6.00	6.01	1550	5.95	5.96	1307	5.88	5.88*	1445	5.93	5.94
0653	1631	6.08	6.08	1400	6.02	6.02	1535	5.96	5.97	1305	5.88	5.88*	1339	5.94	5.94
0681	1631	6.10	6.09	1359	6.03	6.01	1530	5.97	5.96	1300	5.89	5.88*	1335	5.95	5.95
0708	1630	6.12	6.13	1355	6.07	6.07	1515	6.02	6.02	1255	5.94	5.95	1330	6.00	6.00
0732	1625	6.14	6.15*	1354	6.07	6.08*	1520	6.02	6.03*	1255	5.95*	5.96*	1328	6.01	6.02*
0757	1629	6.15	6.13	1348	6.09	6.08	1515	6.04	6.03	1250	5.96*	5.96	1323	6.03	6.02
0789	1628	6.14	6.17	1347	6.08	6.11	1520	6.04	6.06	1252	5.98	6.00*	1318	6.03	6.05
0808	1627	6.18	6.21	1345	6.13	6.17	1510	6.08	6.12	1247	6.02	6.07	1315	6.08	6.12
0834	1626	6.21	6.29	1344	6.16	6.24	1510	6.13	6.20	1245	6.11*	6.13	1316	6.12	6.18
0853	1625	6.28	6.32	1335	6.23	6.26	1500	6.18	6.23	1240	6.13	6.16*	1308	6.17	6.22
0873	1624	6.31	6.37	1334	6.27	6.31	1510	6.23	6.28	1238	6.18*	6.22	1306	6.23	6.27
0898	1623	6.37	6.38	1326	6.32	6.33	1455	6.28	6.29	1236	6.23	6.23	1305	6.28	6.29
0924	1622	6.40	6.40	1325	6.35	6.35	1455	6.31	6.31	1228	6.24*	6.24	1255	6.30	6.30
0940	1620	6.41	6.40	1320	6.36	6.35	1445	6.32	6.30	1223	6.25	6.24*	1250	6.31	6.29
0963	1619	6.41	6.40	1317	6.36	6.37	1455	6.32	6.33	1225	6.26*	6.27	1254	6.31*	6.32
0985	1618	6.44	6.46	1316	6.39	6.40	1440	6.34	6.35	1225	6.28*	6.28	1251	6.32*	6.34
1010	1617	6.46	6.46	1315	6.41*	6.41	1450	6.35*	6.36	1220	6.28*	6.29	1218	6.34*	6.35
1038	1615	6.47	6.49	1220	6.42	6.43	1432	6.36	6.37	1145	6.29*	6.30	1215	6.35	6.36
1055	1613	6.48	6.50	1219	6.43	6.44	1405	6.38	6.39	1145	6.30*	6.31	1210	6.37	6.38
1077	1600	6.51	6.50	1213	6.46	6.45	1350	6.41	6.40	1145	6.32	6.32	1202	6.39	6.38
1100	1557	6.51	6.51	1212	6.46	6.46	1400	6.40	6.41	1140	6.32	6.33*	1158	6.38	6.39
1120	1554	6.52	6.52	1208	6.47	6.47	1345	6.41	6.42	1135	6.33	6.33*	1155	6.40	6.40
1139	1551	6.52	6.53*	1206	6.46	6.47*	1355	6.41	6.42*	1130	6.33	6.34*	1154	6.39	6.40*
1155	1548	6.55	6.55	1204	6.50	6.50	1341	6.45	6.44	1125	6.36	6.36	1152	6.43	6.42
1178	1545	6.56	6.55	1203	6.51	6.50	1345	6.46	6.44	1125	6.37*	6.36	1146	6.44	6.43
1202	1542	6.57	6.58	1152	6.51	6.52	1330	6.45	6.47	1123	6.37	6.38*	1140	6.44	6.45
1224	1539	6.58	6.58	1150	6.52	6.53	1320	6.47	6.47	1115	6.37*	6.38	1140	6.44	6.46
1241	1536	6.58	6.60	1149	6.53	6.54	1320	6.47	6.48	1110	6.38	6.39*	1139	6.47	6.47
1264	1533	6.59	6.60	1148	6.52	6.55	1325	6.47	6.49	1107	6.39*	6.40	1130	6.48	6.49
1284	1530	6.61	6.61	1141	6.55	6.55	1312	6.51	6.51	1105	6.43	6.43	1125	6.50	6.50
1298	1529	6.63	6.62	1139	6.58	6.57	1335	6.53	6.52	1100	6.45	6.45	1125	6.52	6.51
1315	1528	6.64	6.63	1138	6.59	6.57	1311	6.54	6.53	1055	6.46	6.46	1121	6.52	6.51
1343	1527	6.65	6.67	1137	6.61	6.62	1310	6.56	6.57	1055	6.46	6.48	1118	6.52	6.53
1360	1524	6.70	6.68	1131	6.65	6.63	1255	6.61	6.58	1055	6.52*	6.50	1115	6.57*	6.55
1377	1523	6.72	6.70	1130	6.69	6.64	1300	6.63	6.62	1035	6.55*	6.53	1113	6.60	6.57
1396	1522	6.75	6.74	1129	6.70	6.69	1245	6.66	6.65	1030	6.57*	6.56	1107	6.62	6.62
1410	1521	6.78	6.75	1125	6.73	6.71	1255	6.68	6.65	1030	6.60	6.58	1105	6.66	6.63
1425	1520	6.79	6.77	1118	6.74	6.74	1240	6.70	6.70	1028	6.61	6.62	1100	6.67	6.67
1452	1519	6.84	6.86	1117	6.80	6.82	1305	6.76	6.78	1025	6.67	6.69	1059	6.73	6.75
1481	1519	6.87	6.86	1116	6.82	6.81	1242	6.78	6.77	1020	6.68	6.69	1055	6.74	6.74
1510	1519	6.89	6.88	1113	6.84	6.84	1235	6.79	6.79	1017	6.69	6.70	1050	6.77	6.77
1533	1514	6.89	6.89	1111	6.84	6.84	1220	6.80	6.80	1014	6.71	6.71	1045	6.77	6.77
1555	1512	6.91*	6.91	1110	6.85*	6.86	1235	6.81*	6.81	1012	6.71*	6.72	1047	6.78*	6.78

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	5-12			5-13			5-14			5-16			5-19		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	1510	6.91	6.92	1106	6.85	6.87	1222	6.81	6.81	1010	6.72	6.72*	1042	6.78	6.78
1594	1507	6.96*	6.96	1105	6.91*	6.93	1205	6.87*	6.87	1017	6.77*	6.78	1040	6.84*	6.85
1610	1504	6.99	6.98	1101	6.95	6.93	1155	6.91	6.90	1005	6.81	6.80*	1035	6.88	6.87
1640	1500	7.02	6.99	1100	6.97	6.95	1205	6.92	6.91	1000	6.82*	6.81	1034	6.88	6.87*
1662	1458	7.01	7.01	1055	6.97	6.96	1154	6.93	6.92	0954	6.82	6.82	1025	6.90	6.89
1678	1457	7.02	7.02	1047	6.97	6.97	1150	6.93	6.93	0952	6.82*	6.82	1025	6.90	6.89
1695	1455	7.03	7.03	1041	6.97	6.98	1133	6.94	6.94	0950	6.83	6.83*	1020	6.90	6.91
1714	1454	7.03	7.05	1040	6.99	7.00	1150	6.94	6.96	0945	6.84*	6.85	1018	6.91	6.91
1730	1453	7.04	7.05	1030	7.00	7.00	1132	6.95	6.96	0941	6.85	6.85*	1011	6.92	6.92
1750	1452	7.05	7.06	1029	7.00	7.01	1129	6.96	6.96	0938	6.86*	6.85	1008	6.93*	6.93
1766	1451	7.06	7.07	1018	7.00	7.02	1110	6.97	6.98	0937	6.86*	6.86	1005	6.93	6.94
1784	1450	7.06	7.07	1017	7.01	7.02	1118	6.97	6.98	0930	6.86*	6.86*	0950	6.94	6.95
1800	1449	7.07	7.08	1011	7.02	7.03	1110	6.98	6.99	0925	6.86*	6.87	0945	6.95	6.96
1815	1448	7.08	7.09	1010	7.03	7.04	1045	6.99	7.00	0927	6.87*	6.88*	0938	6.96	6.96
1830	1447	7.11	7.10	1000	7.06	7.05	1036	7.02	7.01	0925	6.90	6.89	0935	6.97	6.96

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	5-20			5-21			5-21			5-22			5-23		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	1438	5.54	5.52	1438	5.79	5.77	1525	5.79	5.78*	1240	6.17	6.17	1338	6.48	6.51
0026	1437	5.59	5.59	1437	5.82	5.83	1520	5.81	5.82	1241	6.21	6.23	1336	6.54	6.55
0043	1435	5.61	5.61	1435	5.83	5.85	1520	5.82	5.84	1242	6.24*	6.25	1334	6.56	6.56
0075	1432	5.64	5.65	1434	5.89	5.90	1512	5.88	5.89*	1243	6.29	6.31	1331	6.62	6.65
0104	1430	5.64	5.64	1432	5.89	5.89	1515	5.88	5.88	1244	6.31	6.30	1328	6.66	6.65
0120	1428	5.66	5.68	1431	5.92	5.93	1515	5.91	5.92	1245	6.31	6.32	1325	6.65*	6.67
0137	1427	5.69	5.68	1429	5.94	5.92	1510	5.93	5.91	1246	6.31	6.31	1322	6.70	6.67
0158	1426	5.69	5.71	1428	5.95	5.96	1510	5.94	5.95	1247	6.33	6.34	1320	6.70	6.69
0178	1424	5.75	5.75	1426	5.99	5.98	1500	5.99	5.98	1240	6.35	6.37	1317	6.70	6.70
0204	1423	5.74	5.75	1425	5.98	5.99	1455	5.97	5.98	1249	6.35	6.37	1314	6.70	6.70
0220	1422	5.76	5.77	1423	6.00	6.00	1450	6.00	6.00	1250	6.37	6.37	1311	6.71	6.70
0238	1420	5.77	5.77*	1422	6.01	6.00	1458	6.01	6.00	1251	6.38	6.36	1308	6.72	6.72
0257	1419	5.80	5.78	1421	6.04	6.02	1444	6.04	6.03	1252	6.43	6.39	1305	6.76	6.72
0276	1417	5.81	5.78	1420	6.06	6.03	1445	6.06	6.03	1253	6.45	6.41	1302	6.78	6.73
0301	1415	5.82	5.82	1419	6.09	6.08	1440	6.09	6.07	1254	6.48	6.45	1259	6.80	6.78
0327	1414	5.85	5.83	1418	6.10	6.08	1435	6.10	6.08	1255	6.48	6.46	1256	6.82	6.80
0348	1412	5.86	5.86	1417	6.12	6.12	1430	6.12	6.12*	1256	6.50	6.48	1253	6.83	6.82
0372	1410	5.87*	5.87*	1416	6.11	6.16	1430	6.12*	6.12*	1252	6.49	6.54	1251	6.83	6.88
0421	1409	5.89	5.90	1415	6.15	6.15	1425	6.14	6.14	1258	6.55	6.52	1249	6.90	6.85
0446	1408	5.91	5.92	1414	6.16	6.15	1415	6.16	6.15	1259	6.57	6.53	1247	6.89	6.86
0460	1406	5.93	5.92	1413	6.17	6.16	1425	6.18	6.15	1300	6.57	6.54	1245	6.92	6.87
0497	1405	5.95	5.94	1411	6.19	6.19	1420	6.19	6.19	1301	6.58	6.57	1242	6.92	6.90
0516	1403	5.96	5.96	1410	6.20	6.20	1414	6.20	6.20	1302	6.58	6.58	1240	6.94*	6.94*
0535	1401	5.96	5.96	1408	6.21	6.20	1410	6.21	6.20	1303	6.60	6.58	1237	6.95	6.94
0556	1400	5.97	5.96	1406	6.23	6.22	1410	6.23	6.22	1304	6.63	6.61	1235	6.99	6.96
0578	1358	5.97	5.96	1404	6.24	6.22	1405	6.23	6.22	1305	6.63	6.60	1232	6.99	6.98
0602	1356	5.99	5.99	1403	6.25	6.25	1400	6.25	6.25	1306	6.65	6.64	1230	7.00	7.00
0633	1354	5.99	5.99	1401	6.25	6.26	1357	6.25	6.26	1307	6.65	6.65	1227	7.01	7.00
0653	1352	6.00	6.01	1400	6.26	6.28	1355	6.26	6.27	1308	6.65	6.68	1224	7.00	7.03
0681	1350	6.01	6.00	1357	6.29	6.28	1353	6.29	6.28	1309	6.69	6.67	1222	7.04	7.03
0708	1349	6.06	6.06	1354	6.31	6.32	1350	6.31	6.32	1310	6.71	6.73	1219	7.06	7.08
0732	1347	6.06	6.07*	1353	6.32	6.33	1345	6.33	6.33	1310	6.72	6.72	1216	7.09	7.10
0757	1346	6.09	6.08	1351	6.34	6.33	1340	6.35	6.36	1312	6.75	6.77	1213	7.10	7.11
0789	1344	6.08	6.10	1349	6.34	6.36	1333	6.34	6.36	1313	6.74	6.77	1209	7.09	7.12
0808	1342	6.13	6.16	1347	6.36	6.37	1330	6.36	6.37	1314	6.77	6.76	1205	7.11	7.12
0834	1340	6.16	6.25	1346	6.37	6.44	1330	6.36	6.45	1315	6.77	6.83*	1202	7.09	7.14*
0853	1339	6.22	6.27	1345	6.44	6.47	1335	6.44	6.47	1316	6.80	6.85	1159	7.14	7.19*
0873	1337	6.27	6.31	1345	6.45	6.51	1325	6.45	6.51	1317	6.79	6.85	1156	7.15	7.19*
0898	1336	6.32	6.33	1344	6.51	6.53	1320	6.50	6.53	1318	6.84	6.88	1153	7.23	7.21
0924	1334	6.35	6.35	1344	6.54	6.55	1320	6.54	6.55	1319	6.89	6.89	1150	7.22	7.21
0940	1333	6.35	6.34	1343	6.55	6.54	1310	6.56	6.54	1320	6.91	6.89	1148	7.22	7.25
0963	1331	6.35	6.37	1343	6.55	6.55	1305	6.55	6.55	1321	6.91	6.92	1145	7.25	7.25
0985	1330	6.38	6.39	1342	6.59	6.61	1310	6.59	6.61	1322	6.92	6.96	1142	7.27	7.30
1010	1328	6.40*	6.40	1342	6.61	6.62	1310	6.60	6.62	1323	6.96	6.96	1139	7.28	7.29
1038	1326	6.40	6.42	1342	6.63	6.64	1253	6.62	6.64	1324	6.97	7.00	1137	7.29	7.33
1055	1324	6.42	6.43	1341	6.64	6.65	1253	6.64	6.66	1325	6.99	7.01	1135	7.32	7.33
1077	1322	6.44	6.44	1341	6.67	6.67	1233	6.67	6.67	1326	7.02	7.02	1144	7.36	7.36*
1100	1321	6.43	6.44	1340	6.66	6.67	1245	6.66	6.68	1327	7.02	7.03	1145	7.38	7.37
1120	1320	6.45	6.45	1340	6.68	6.68	1242	6.69	6.68	1328	7.04	7.04	1146	7.39	7.39
1139	1319	6.45	6.46*	1339	6.67	6.68	1240	6.67	6.68	1329	7.06	7.04	1147	7.41	7.40
1155	1318	6.47	6.47	1336	6.74	6.70	1241	6.74	6.70	1330	7.11	7.08	1151	7.44*	7.43
1178	1317	6.50	6.48	1334	6.75	6.73	1140	6.76	6.73	1331	7.11	7.07	1155	7.45	7.42
1202	1315	6.50	6.51	1333	6.76	6.77	1141	6.77	6.78	1332	7.11	7.13	1157	7.44	7.45
1224	1313	6.51	6.51	1331	6.77	6.79	1156	6.78	6.79	1333	7.13	7.14	1200	7.45	7.46
1241	1312	6.53	6.53	1329	6.78	6.80	1132	6.79	6.82	1334	7.13	7.16	1203	7.46	7.48
1264	1310	6.54	6.55	1327	6.79	6.82	1135	6.81	6.83	1335	7.13	7.17	1205	7.47	7.48
1284	1309	6.56	6.56	1325	6.83	6.83	1130	6.84	6.84	1336	7.18	7.18	1206	7.51	7.50
1298	1307	6.58	6.57	1323	6.84	6.83	1125	6.86	6.85	1337	7.20	7.19	1207	7.50	7.50
1315	1306	6.58	6.57	1321	6.84	6.84	1125	6.86	6.85	1338	7.21	7.19	1212	7.52	7.49
1343	1302	6.58	6.59	1317	6.84	6.85	1120	6.86	6.86	1339	7.21	7.20	1216	7.53	7.52
1360	1300	6.61	6.60	1315	6.87	6.84	1115	6.89	6.86	1340	7.25	7.20	1218	7.55	7.53
1377	1259	6.64	6.62	1314	6.88	6.86	1110	6.89	6.87	1341	7.25	7.20	1220	7.55	7.53
1396	1258	6.67	6.66	1313	6.93	6.89	1110	6.94	6.90	1342	7.26*	7.23*	1222	7.56	7.54
1410	1257	6.70	6.67	1311	6.93	6.91	1105	6.93	6.91	1343	7.26	7.24	1225	7.55	7.54
1425	1255	6.71	6.71	1310	6.93	6.92	1100	6.95	6.93	1344	7.27	7.25	1225	7.57	7.54
1452	1252	6.78	6.79	1309	6.99	7.00	1055	7.01	7.01	1345	7.31	7.30	1226	7.59	7.57
1481	1200	6.80	6.79	1307	7.01	7.01	1050	7.02	7.03	1346	7.32	7.35	1227	7.58	7.59
1510	1248	6.81	6.82	1306	7.03	7.03	1045	7.03	7.04	1347	7.32	7.33	1228	7.58	7.59
1533	1247	6.83	6.83	1305	7.04	7.03	1045	7.06	7.05	1348	7.36	7.34	1230	7.61	7.60
1555	1246	6.84*	6.84	1304	7.06*	7.06	1045	7.06*	7.07	1349	7.37*	7.37	1232	7.62*	7.62

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	5-20			5-21			5-21			5-22			5-23		
		BANK			BANK			BANK			BANK			BANK	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	1245	6.83	6.84	1302	7.07	7.06	1040	7.06	7.07	1350	7.37	7.36	1233	7.65*	7.63
1594	1157	6.86*	6.88	1301	7.09*	7.09	1040	7.10*	7.11	1351	7.40*	7.41	1235	7.65*	7.64
1610	1156	6.90	6.88	1300	7.11	7.09	1035	7.12	7.11	1352	7.44	7.41	1236	7.68*	7.64
1640	1153	6.92	6.90	1258	7.17	7.12	1030	7.17	7.14	1353	7.50	7.45	1237	7.72	7.66
1662	1151	6.92	6.92	1257	7.15	7.14	1030	7.17	7.15	1354	7.49	7.47	1238	7.71	7.68
1678	1149	6.93	6.93	1256	7.16	7.16	1025	7.17	7.17	1355	7.49	7.48	1239	7.71	7.70
1695	1147	6.94	6.94	1254	7.17	7.17	1017	7.19	7.19	1356	7.50	7.53	1242	7.72	7.74
1714	1145	6.95	6.96	1253	7.18	7.20	1025	7.19	7.21	1357	7.50	7.53	1243	7.73	7.75
1730	1144	6.95	6.96	1252	7.19	7.20	1015	7.20	7.21	1358	7.52	7.53	1245	7.74	7.75
1750	1142	6.96	6.98	1251	7.20	7.23	1015	7.21	7.24	1359	7.54	7.54	1247	7.76	7.78*
1766	1140	6.98	6.99	1249	7.23	7.25	1005	7.26	7.26	1400	7.57	7.58	1250	7.78*	7.81
1784	1139	7.00	6.99	1248	7.24	7.25	1005	7.25	7.27	1401	7.57	7.59	1252	7.77	7.80
1800	1137	7.00	7.01	1247	7.25	7.26	1000	7.27	7.27	1402	7.58	7.59	1254	7.79	7.80
1815	1135	7.01	7.02	1246	7.24	7.26	1000	7.27	7.28	1403	7.58	7.60	1255	7.80	7.81
1830	1130	7.03	7.01	1245	7.27	7.26	0952	7.29	7.27	1404	7.61	7.59	1256	7.82	7.80

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	5-24			5-26			5-27			5-28			5-29		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	1000	6.50	6.51	1317	5.84	5.82	1610	5.64	5.63*	1559	5.58	5.56	1305	5.55	5.54
0026	1002	6.54	6.55	1318	5.86	5.87	1607	5.68	5.67	1547	5.62	5.61	1304	5.60	5.60
0043	1003	6.58	6.56	1319	5.86	5.88	1605	5.68	5.69	1547	5.62	5.63	1303	5.61	5.62
0075	1005	6.61	6.65	1321	5.91	5.92	1603	5.71	5.71	1540	5.65	5.65	1249	5.64	5.64
0104	1007	6.65	6.64*	1322	5.91	5.91	1600	5.70	5.71	1542	5.65	5.66	1248	5.64	5.64
0120	1009	6.64*	6.66	1323	5.94*	5.95	1555	5.73	5.75	1540	5.68	5.70	1248	5.66	5.68
0137	1010	6.69	6.66	1325	5.96	5.96	1550	5.77	5.78	1534	5.71	5.71	1247	5.69	5.69
0158	1012	6.69	6.67	1326	5.97	5.99	1548	5.78	5.80	1535	5.72	5.74	1245	5.70	5.71*
0178	1014	6.69	6.70	1328	6.01	6.02	1544	5.83	5.83	1530	5.77	5.77	1244	5.75	5.75
0204	1015	6.69	6.69	1329	6.01	6.02	1542	5.82	5.83	1532	5.78	5.78	1243	5.74	5.76
0220	1017	6.72	6.70	1330	6.02	6.03	1540	5.84	5.85*	1525	5.78	5.79	1243	5.76	5.77
0238	1019	6.72	6.72	1331	6.04	6.04*	1538	5.85	5.85*	1520	5.79	5.79*	1242	5.78	5.78*
0257	1020	6.75	6.72	1333	6.06	6.05	1543	5.87	5.86	1515	5.82	5.81	1242	5.80	5.79
0276	1021	6.77	6.74	1334	6.08	6.05	1533	5.89	5.86	1520	5.81	5.80	1241	5.81	5.78
0301	1023	6.80	6.78	1336	6.10*	6.08	1528	5.88	5.88	1512	5.82	5.82	1229	5.82	5.81
0327	1025	6.81	6.80	1337	6.11	6.09	1520	5.90	5.90	1515	5.84	5.83	1228	5.82	5.82
0348	1026	6.83	6.82	1339	6.12	6.11	1515	5.91	5.90	1510	5.86	5.85*	1227	5.84	5.84*
0372	1028	6.83	6.88	1340	6.10	6.16	1506	5.91	5.90	1512	5.86*	5.86*	1226	5.84*	5.84*
0421	1030	6.89	6.85	1342	6.21	6.18	1504	6.03	6.03	1458	5.98	5.98*	1226	5.95	5.95*
0446	1031	6.91	6.89	1343	6.24	6.23	1500	6.05	6.06	1505	6.01	6.02	1225	5.98	5.99
0460	1033	6.93	6.90	1345	6.25	6.24	1458	6.08	6.07	1500	6.03	6.02	1225	6.01	6.00
0497	1034	6.94	6.93	1346	6.27	6.26	1450	6.09	6.08	1458	6.04	6.04	1224	6.03*	6.01
0516	1036	6.94	6.94	1348	6.28	6.27	1445	6.10	6.09	1453	6.05	6.04	1223	6.03	6.03
0535	1037	6.96	6.95	1349	6.28	6.27	1445	6.10	6.09	1439	6.05	6.04	1222	6.03*	6.02
0556	1039	6.99	6.98	1350	6.29	6.29	1444	6.11	6.10	1439	6.05	6.06	1222	6.03	6.03
0578	1041	7.01	7.00	1351	6.30	6.28	1440	6.11	6.10	1435	6.06	6.05	1221	6.04	6.02
0602	1042	7.01	7.01	1352	6.29	6.29	1430	6.11	6.11	1433	6.06	6.06	1220	6.03	6.03
0633	1043	7.01	7.01	1354	6.29	6.29	1427	6.11	6.11	1425	6.06*	6.06	1219	6.04*	6.04
0653	1045	7.01	7.04	1355	6.30	6.31	1426	6.12	6.13	1422	6.07	6.08	1219	6.05	6.05
0681	1046	7.05	7.04	1356	6.33	6.31	1415	6.13	6.12	1415	6.08	6.07	1218	6.06	6.06
0708	1046	7.06	7.08	1358	6.34	6.35	1409	6.16	6.16	1410	6.11	6.11	1203	6.09	6.09
0732	1049	7.08	7.10	1359	6.35	6.36	1409	6.16	6.17*	1405	6.12	6.13*	1202	6.10	6.11*
0757	1050	7.10	7.11	1401	6.38	6.38*	1409	6.19	6.19	1402	6.15	6.14	1201	6.13*	6.13
0789	1052	7.10	7.12	1402	6.38	6.40	1405	6.20	6.22	1400	6.16	6.18	1200	6.14	6.16
0808	1053	7.11	7.11	1403	6.39	6.42	1357	6.22	6.26	1356	6.19	6.22	1159	6.16	6.20
0834	1055	7.11	7.16*	1404	6.43	6.49*	1401	6.28	6.33	1353	6.23	6.29	1158	6.22	6.25
0853	1056	7.14	7.19*	1405	6.50	6.53*	1349	6.35	6.36	1350	6.29	6.32	1158	6.27	6.29
0873	1058	7.14	7.20*	1406	6.52	6.57*	1345	6.37	6.42	1341	6.34*	6.38	1157	6.30*	6.34
0898	1100	7.20*	7.25	1408	6.56	6.59	1340	6.42	6.44	1339	6.38	6.39	1156	6.34	6.36
0924	1101	7.24	7.23	1409	6.61	6.61	1341	6.45	6.46	1350	6.41	6.41	1155	6.37	6.37
0940	1103	7.24	7.25	1410	6.62	6.63	1331	6.47	6.46	1345	6.42	6.41	1144	6.38	6.37
0963	1105	7.25	7.27	1411	6.63	6.62	1330	6.48	6.47	1235	6.43*	6.44	1143	6.38*	6.39
0985	1106	7.31	7.32	1412	6.66	6.68	1325	6.51	6.52	1234	6.44*	6.46	1143	6.41*	6.42
1010	1108	7.31	7.33	1413	6.69	6.69	1329	6.51*	6.52	1233	6.47*	6.48	1142	6.41*	6.42
1038	1109	7.33	7.36	1414	6.69	6.71	1315	6.53	6.54	1231	6.47*	6.49	1142	6.41*	6.43
1055	1110	7.34	7.36*	1416	6.70	6.71	1320	6.53	6.54	1230	6.49	6.50	1141	6.43	6.44
1077	1112	7.39	7.38*	1417	6.71	6.71	1309	6.54	6.54	1216	6.50	6.50	1141	6.44	6.44
1100	1113	7.38	7.38	1418	6.70	6.72	1300	6.54	6.54	1225	6.50	6.50	1140	6.44	6.44
1120	1115	7.40	7.40	1419	6.72	6.72	1300	6.55	6.55	1221	6.51	6.51	1139	6.45	6.45
1139	1116	7.42	7.41	1421	6.72	6.72	1300	6.55	6.56	1210	6.51	6.52*	1138	6.45	6.46*
1155	1117	7.45	7.44	1422	6.75*	6.73	1255	6.59	6.58	1206	6.53	6.54	1138	6.47	6.48
1178	1119	7.45	7.43	1423	6.77	6.75	1251	6.58	6.59	1212	6.55	6.55	1138	6.48*	6.48
1202	1121	7.45	7.45	1424	6.77	6.78	1252	6.60	6.60	1200	6.56	6.56	1137	6.49	6.50
1224	1123	7.46	7.47	1426	6.78	6.79	1200	6.61*	6.62	1154	6.56*	6.56	1137	6.49*	6.50
1241	1125	7.46	7.48	1427	6.78	6.80	1200	6.62	6.63	1154	6.57	6.57	1126	6.50*	6.51
1264	1126	7.46	7.49	1428	6.78	6.80	1200	6.63	6.64	1145	6.57	6.59	1125	6.51	6.52
1284	1127	7.50	7.50	1430	6.80	6.80	1151	6.64	6.65	1135	6.59	6.60	1124	6.53	6.54
1298	1128	7.51	7.50	1432	6.82	6.81	1140	6.66	6.64	1145	6.62	6.61	1123	6.56	6.56
1315	1129	7.52	7.50	1433	6.82	6.81	1140	6.68	6.67	1143	6.63	6.62	1123	6.57	6.56*
1343	1130	7.53	7.52	1435	6.84	6.85	1132	6.69	6.70	1125	6.64	6.64	1122	6.59	6.60
1360	1132	7.55	7.52	1436	6.88	6.85	1132	6.74	6.72	1124	6.69	6.67	1122	6.63	6.62
1377	1134	7.55	7.52	1437	6.91	6.88	1133	6.77	6.74	1132	6.72	6.70	1121	6.66	6.64
1396	1135	7.56	7.54	1440	6.93	6.90	1126	6.81	6.78	1128	6.77	6.73	1120	6.70	6.68
1410	1136	7.56	7.53	1442	6.93	6.91	1120	6.80	6.78	1120	6.76	6.73	1119	6.71	6.69
1425	1137	7.57	7.53	1444	6.94	6.93	1120	6.82	6.81	1110	6.77	6.77	1118	6.72	6.72
1452	1139	7.58	7.58	1446	7.01	7.02	1119	6.90	6.90	1121	6.85	6.86	1117	6.79	6.81
1481	1140	7.58	7.59	1448	7.03	7.03	1105	6.91	6.91	1108	6.87	6.87	1116	6.82	6.81
1510	1142	7.58	7.59	1450	7.04	7.05	1105	6.93	6.93	1103	6.88	6.89	1115	6.83	6.83
1533	1143	7.62	7.60	1452	7.07	7.05	1105	6.95	6.94	1058	6.90	6.90	1114	6.84	6.84
1555	1145	7.62*	7.62	1454	7.08*	7.08	1104	6.96*	6.96	1103	6.91*	6.92	1113	6.85*	6.86

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	5-24			5-26			5-27			5-28			5-29		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	1147	7.65*	7.62	1457	7.09*	7.09	1052	6.97*	6.97	1057	6.92	6.92	1113	6.86	6.86
1594	1148	7.65*	7.64	1459	7.10*	7.11	1050	6.99*	6.99	1052	6.93*	6.94	1112	6.89*	6.89
1610	1150	7.66*	7.62	1502	7.14*	7.12	1048	7.01*	7.00	1042	6.96	6.96	1111	6.90	6.90
1640	1151	7.69	7.65	1505	7.17	7.15	1047	7.04	7.02	1050	6.99	6.97	1108	6.92	6.91
1662	1153	7.70	7.67	1507	7.18	7.16	1032	7.04	7.03	1039	6.99	6.98	1107	6.93	6.91
1678	1154	7.70	7.69	1509	7.19*	7.19*	1030	7.05	7.05	1030	7.00	7.00	1106	6.94*	6.94
1695	1155	7.71	7.73	1512	7.20	7.20	1028	7.07	7.07	1028	7.02	7.01	1105	6.95	6.95
1714	1156	7.72	7.75	1514	7.20	7.23	1018	7.08	7.10	1035	7.04	7.04	1103	6.96	6.97
1730	1158	7.73	7.75	1516	7.22	7.23	1016	7.09	7.10	1024	7.04	7.04	1103	6.97	6.97
1750	1159	7.75	7.77*	1518	7.22	7.25*	1010	7.09	7.11*	1018	7.04*	7.05	1102	6.97*	6.98
1766	1200	7.79*	7.79	1520	7.25*	7.26	1004	7.11*	7.12	1007	7.05	7.07	1050	6.97	6.99
1784	1202	7.77	7.80	1521	7.25	7.26	0955	7.11	7.12	1008	7.06	7.06	1049	6.99	6.99*
1800	1203	7.78	7.80	1523	7.25	7.26	0951	7.12	7.12	0952	7.07	7.07	1048	6.99	7.00
1815	1205	7.80	7.80	1525	7.26	7.26	0955	7.12	7.14	0955	7.07	7.08	1047	7.00	7.01
1830	1206	7.82	7.80	1526	7.30	7.27	0955	7.15	7.14	0958	7.10	7.08	1046	7.03	7.01

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	5-30			6- 1			6- 3			6- 4			6- 5		
		BANK			BANK			BANK			BANK			BANK	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	1404	5.47	5.46	1400	5.47	5.46	1641	5.48	5.46	1208	5.46	5.45	1452	5.52	5.50
0026	1403	5.52	5.52	1400	5.52	5.51	1640	5.52	5.52	1206	5.52	5.51	1453	5.56	5.56
0043	1401	5.54	5.54	1351	5.53	5.54	1629	5.54	5.54	1205	5.53	5.54	1434	5.58	5.58
0075	1408	5.55	5.55	1337	5.56	5.56	1608	5.56	5.56	1202	5.55	5.55	1422	5.60	5.60
0104	1408	5.55	5.56	1350	5.55	5.56	1600	5.55	5.56	1200	5.54	5.55	1419	5.59	5.60
0120	1406	5.58	5.59	1350	5.57	5.59	1600	5.58	5.60	1159	5.57	5.59	1419	5.62	5.64
0137	1404	5.60	5.60	1338	5.60	5.60	1557	5.60	5.61	1156	5.60	5.60	1411	5.65	5.64
0158	1400	5.62	5.63	1335	5.61	5.63	1546	5.61	5.64	1154	5.60	5.62	1407	5.65	5.68
0178	1356	5.66	5.66	1335	5.66	5.66	1542	5.67	5.67	1152	5.65	5.66	1401	5.71	5.71
0204	1355	5.67*	5.67	1335	5.66*	5.66	1540	5.67*	5.67	1150	5.66*	5.66	1400	5.71*	5.71
0220	1351	5.68	5.69	1326	5.67	5.68	1539	5.68	5.69	1149	5.67	5.68	1349	5.72	5.73
0238	1345	5.69	5.69*	1326	5.68	5.68*	1535	5.69	5.69*	1147	5.69	5.69*	1320	5.73	5.73*
0257	1342	5.71	5.70	1325	5.70	5.70	1522	5.72	5.71	1145	5.70	5.70	1317	5.76	5.75
0276	1343	5.72	5.70	1347	5.71*	5.69	1519	5.73	5.70	1143	5.72	5.69	1315	5.78	5.75
0301	1343	5.72	5.72	1345	5.73	5.72	1515	5.75	5.74	1141	5.74	5.73	1311	5.80	5.79
0327	1340	5.74	5.73	1320	5.75	5.73	1508	5.77	5.76	1140	5.76	5.75	1255	5.81	5.80
0348	1337	5.77	5.77*	1310	5.77	5.77*	1505	5.79	5.79*	1138	5.78	5.78*	1252	5.83	5.83*
0372	1334	5.77*	5.77*	1312	5.77*	5.77*	1458	5.78*	5.78*	1136	5.78*	5.78*	1250	5.83*	5.83*
0421	1332	5.88	5.89	1310	5.87	5.86	1458	5.87	5.86	1134	5.86	5.85	1248	5.90	5.89
0446	1323	5.93*	5.93	1307	5.92*	5.92	1456	5.91*	5.91	1132	5.89*	5.89	1227	5.92*	5.93
0460	1323	5.94	5.94	1300	5.92	5.92	1453	5.92	5.92	1130	5.91	5.90	1225	5.94	5.94
0497	1320	5.96*	5.94	1300	5.95*	5.93	1440	5.95*	5.93	1128	5.94*	5.92	1223	5.98*	5.96
0516	1319	5.96	5.95	1257	5.95	5.94	1437	5.94	5.94	1127	5.93	5.93	1220	5.97	5.96
0535	1320	5.96*	5.95	1300	5.95	5.94	1436	5.94	5.94	1125	5.93	5.92	1211	5.97	5.96
0556	1320	5.96	5.96*	1258	5.95	5.95	1432	5.95	5.95	1123	5.93	5.94	1207	5.97	5.97
0578	1315	5.97	5.95	1256	5.95	5.94	1427	5.96	5.94	1121	5.94	5.93	1206	5.98	5.96
0602	1312	5.96	5.96	1246	5.95	5.95	1422	5.95	5.95	1120	5.94	5.93	1202	5.98	5.97
0633	1310	5.97	5.97	1243	5.95	5.95	1413	5.95	5.95	1117	5.94	5.94	1153	5.98	5.98
0653	1303	5.97	5.98	1241	5.96	5.97	1408	5.97	5.97	1115	5.96	5.96	1150	6.00	6.00
0681	1303	5.98	5.96	1250	5.97	5.96	1359	5.98	5.96	1113	5.97	5.95	1148	6.01	6.00
0708	1300	6.02	6.02	1236	6.02	6.01	1355	6.03	6.03	1112	6.02	6.02	1141	6.06	6.07
0732	1250	6.04	6.05*	1236	6.04	6.05*	1352	6.05	6.06*	1110	6.04	6.05*	1134	6.08	6.09*
0757	1248	6.08*	6.07	1230	6.06	6.07	1350	6.08	6.07	1108	6.06	6.06	1131	6.10	6.10
0789	1249	6.08	6.10*	1230	6.07	6.09*	1343	6.08	6.10*	1107	6.07	6.09*	1128	6.10	6.12*
0808	1246	6.11	6.14	1228	6.10	6.12	1340	6.10	6.13	1106	6.09	6.11	1126	6.12	6.15
0834	1242	6.15	6.19	1225	6.13	6.16	1335	6.14	6.17	1104	6.12	6.16	1122	6.16	6.20
0853	1239	6.20	6.23*	1225	6.16	6.20*	1333	6.17	6.21*	1102	6.17	6.20*	1120	6.20	6.23*
0873	1237	6.23*	6.27*	1223	6.22*	6.26*	1328	6.23	6.26*	1100	6.22	6.26*	1118	6.25	6.29
0898	1233	6.27	6.28	1220	6.26	6.27	1325	6.27	6.28	1059	6.26	6.27	1114	6.29	6.30
0924	1231	6.30	6.30	1220	6.28	6.28	1320	6.29	6.29	1057	6.28	6.28	1113	6.32	6.31
0940	1231	6.31	6.29	1210	6.30	6.28	1316	6.30	6.28	1055	6.29	6.27	1109	6.32	6.30
0963	1240	6.31*	6.32	1210	6.29*	6.30	1312	6.30*	6.31	1053	6.30*	6.30	1105	6.33*	6.33
0985	1240	6.33*	6.34	1210	6.32*	6.33	1310	6.33*	6.33	1053	6.31*	6.32	1103	6.34*	6.36
1010	1140	6.34*	6.35	1141	6.32*	6.33	1307	6.33*	6.34	1050	6.32*	6.33	1101	6.37*	6.37
1038	1147	6.35*	6.37	1139	6.33*	6.35	1306	6.34*	6.35	1048	6.33*	6.34	1059	6.37*	6.38
1055	1145	6.36	6.36	1140	6.35	6.35	1221	6.35	6.36	1047	6.34	6.34	1007	6.38	6.38
1077	1146	6.37	6.36	1137	6.35	6.35	1217	6.36	6.36	1045	6.34	6.34	1003	6.38	6.38
1100	1140	6.36	6.37	1130	6.35*	6.35*	1212	6.36	6.36	1043	6.34	6.35	1001	6.38	6.39
1120	1138	6.38	6.38	1127	6.36	6.36	1207	6.37	6.37	1041	6.35	6.36	0958	6.39	6.39
1139	1133	6.38	6.39*	1124	6.36	6.37	1205	6.37	6.37	1040	6.35	6.36	0951	6.38	6.39
1155	1132	6.40	6.40	1120	6.38	6.39	1201	6.39	6.40	1038	6.37	6.38	0948	6.41	6.42
1178	1133	6.41	6.41	1124	6.40	6.39	1155	6.41	6.40	1037	6.39	6.39	0940	6.43	6.44
1202	1131	6.42	6.43	1116	6.40	6.41	1150	6.41	6.42	1035	6.39	6.40	0939	6.43	6.45
1224	1130	6.42*	6.43	1113	6.40*	6.41	1141	6.41*	6.42	1033	6.39*	6.40	0937	6.44*	6.45
1241	1129	6.43	6.44	1115	6.41	6.42	1138	6.43	6.44	1032	6.42	6.43	0935	6.46	6.47
1264	1123	6.44	6.44	1136	6.42	6.44	1133	6.45	6.46	1030	6.43	6.44	0929	6.47	6.48
1284	1115	6.47	6.46	1110	6.46	6.46	1130	6.48	6.48	1029	6.45	6.46	0925	6.50	6.51
1298	1116	6.50	6.50*	1108	6.48	6.48	1127	6.49	6.49	1027	6.47	6.47	0922	6.52	6.51
1315	1114	6.51	6.50*	1059	6.49	6.50	1122	6.50	6.50	1025	6.47	6.47	0918	6.52	6.52
1343	1109	6.53	6.53	1104	6.50	6.52	1118	6.50	6.51	1022	6.48	6.49	0913	6.52	6.53
1360	1107	6.57	6.55	1058	6.55	6.53	1115	6.56	6.52	1020	6.53*	6.51	0910	6.57	6.55
1377	1104	6.60	6.58	1055	6.58	6.56	1107	6.58	6.56	1018	6.56*	6.54	0903	6.60	6.58
1396	1102	6.63	6.61	1053	6.61	6.58	1104	6.63	6.60	1017	6.60	6.58	0900	6.64	6.61
1410	1058	6.65	6.62	1051	6.63	6.61	1102	6.64	6.62	1015	6.62	6.59	0859	6.66	6.62
1425	1056	6.66	6.66	1049	6.64	6.65	1100	6.65	6.65	1014	6.63	6.64	0855	6.66	6.67
1452	1100	6.73	6.75	1046	6.71	6.73	1051	6.72	6.74	1011	6.71	6.72	0851	6.74	6.76
1481	1052	6.75	6.74	1042	6.73	6.72	1047	6.74	6.73	1008	6.72	6.71	0845	6.76	6.75
1510	1054	6.76	6.77	1045	6.74	6.76	1040	6.75	6.77	1007	6.74	6.74	0837	6.77	6.78
1533	1046	6.78	6.78	1038	6.76	6.76	1037	6.78	6.77	1005	6.75	6.75	0835	6.79	6.79
1555	1045	6.79*	6.79	1035	6.77*	6.77	1030	6.79*	6.79	1004	6.76*	6.77	0829	6.80*	6.80

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	5-30			6- 1			6- 3			6- 4			6- 5		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	1043	6.80	6.80	1033	6.78	6.78	1026	6.80	6.79	1002	6.77	6.77	0826	6.81	6.81
1594	1018	6.82*	6.83	1030	6.80*	6.80	1010	6.82*	6.82	1000	6.79*	6.80	0810	6.83*	6.83
1610	1013	6.84	6.83	1023	6.81	6.81	1008	6.83	6.82	0959	6.81	6.80	0807	6.85	6.83
1640	1013	6.86	6.84*	1030	6.84	6.82*	1005	6.85	6.84*	0957	6.83	6.81*	0803	6.86	6.85*
1662	1005	6.86	6.85	1023	6.84	6.83	1003	6.86	6.85	0955	6.83	6.82	0801	6.86	6.86
1678	1010	6.86*	6.86	1020	6.83*	6.83	0959	6.85*	6.85	0954	6.83*	6.83	0800	6.86*	6.86
1695	1005	6.88	6.88	1018	6.86	6.85	1000	6.87	6.87	0952	6.85	6.84	0757	6.88	6.88
1714	1000	6.89	6.90	1018	6.87	6.87	0947	6.88	6.89	0950	6.86	6.87	0740	6.89	6.90
1730	0959	6.90	6.90	1016	6.88	6.86	0944	6.89	6.89	0948	6.87	6.87	0737	6.90	6.90
1750	0955	6.90*	6.91	1016	6.88*	6.89	0948	6.89*	6.90	0946	6.87*	6.88	0735	6.90*	6.91
1766	0948	6.91	6.92	1005	6.89	6.90	0931	6.90	6.92	0944	6.88	6.88	0732	6.91	6.92
1784	0952	6.92	6.92	1005	6.90*	6.90	0927	6.92	6.92	0942	6.89*	6.89	0731	6.92	6.92
1800	0946	6.93	6.93	1005	6.90	6.90	0927	6.92	6.92	0940	6.89	6.89	0729	6.92	6.93
1815	0948	6.93	6.95	1004	6.90*	6.92	0925	6.93	6.93	0937	6.89*	6.90	0728	6.93	6.94
1830	0944	6.96	6.94	1005	6.93	6.91	0923	6.95	6.93	0935	6.92	6.90	0726	6.95	6.93

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	6- 6			6- 7			6- 8			6- 9			6-10		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	1103	5.59	5.57	1625	5.57	5.55	1117	5.73	5.71	1124	6.03	6.02	1216	6.26	6.25
0026	1103	5.64	5.64	1627	5.61	5.60	1116	5.76	5.76	1124	6.06	6.07	1215	6.29	6.31
0043	1102	5.65	5.66	1614	5.63	5.63	1115	5.78	5.78	1123	6.07	6.10	1214	6.30	6.33
0075	1100	5.68	5.69	1603	5.66	5.66	1114	5.83	5.83	1123	6.14	6.15	1213	6.37	6.40
0104	1059	5.67	5.68	1556	5.65	5.65	1112	5.82	5.83	1122	6.15	6.15	1212	6.39	6.39
0120	1058	5.71	5.72	1554	5.68	5.69	1111	5.85	5.87	1122	6.17	6.18	1212	6.41	6.40
0137	1057	5.73	5.72	1551	5.70	5.70	1110	5.87	5.86	1121	6.19	6.16	1211	6.43	6.40
0158	1056	5.74	5.76	1542	5.71	5.73	1109	5.88	5.90	1121	6.18	6.20	1211	6.44	6.43
0178	1054	5.80	5.79	1538	5.77	5.77	1108	5.94	5.93	1120	6.23	6.23	1211	6.45	6.46
0204	1053	5.79	5.80	1531	5.77	5.78	1108	5.93	5.94	1119	6.22	6.24	1210	6.44	6.46
0220	1052	5.81	5.81	1526	5.79	5.80	1107	5.95	5.95	1118	6.24	6.24	1209	6.48	6.47
0238	1052	5.82	5.82*	1521	5.80	5.80*	1107	5.96	5.96*	1118	6.25	6.24	1208	6.48	6.48
0257	1051	5.84	5.83	1517	5.83	5.82	1106	5.99	5.97	1117	6.29	6.26	1208	6.54	6.50
0276	1050	5.87	5.84	1516	5.84	5.82	1105	6.01	5.98	1117	6.31	6.28	1207	6.55	6.50
0301	1048	5.89	5.88	1503	5.87	5.85	1105	6.05	6.02	1116	6.36	6.32	1206	6.58	6.56
0327	1047	5.91	5.89	1458	5.88	5.87	1104	6.05	6.04	1116	6.35	6.35	1205	6.58	6.57
0348	1047	5.93	5.92	1453	5.90	5.90	1104	6.08	6.06	1115	6.39	6.37	1204	6.61	6.59
0372	1045	5.92	5.97	1450	5.90	5.90	1103	6.07	6.07	1115	6.39	6.39	1203	6.63	6.61
0421	1044	5.98	5.97	1437	5.95	5.95	1101	6.11	6.10	1114	6.43	6.41	1202	6.67	6.63
0446	1043	5.99	6.00	1435	5.97	5.98	1101	6.12	6.12	1113	6.44	6.42	1202	6.68	6.64
0460	1042	6.02	6.01	1427	5.99	6.00	1100	6.14	6.13	1112	6.45	6.42	1201	6.70	6.65
0497	1041	6.04	6.03	1423	6.01	6.01	1059	6.16	6.15	1111	6.47	6.45	1200	6.70	6.69
0516	1040	6.04	6.03	1417	6.02	6.01	1058	6.16	6.16	1111	6.47	6.46	1159	6.70	6.71
0535	1038	6.04	6.03	1416	6.02	6.01	1057	6.16	6.16	1110	6.48	6.47	1159	6.72	6.71
0556	1037	6.05	6.04	1406	6.03	6.02	1056	6.18	6.17	1110	6.50	6.48	1158	6.76	6.74
0578	1036	6.05	6.04	1355	6.03	6.02	1056	6.18	6.16	1109	6.50	6.48	1157	6.76	6.72
0602	1035	6.05	6.04	1351	6.04	6.03	1055	6.19	6.19	1109	6.52	6.51	1157	6.77	6.76
0633	1034	6.06	6.06	1338	6.04	6.05	1054	6.20	6.20	1108	6.52	6.52	1156	6.76	6.77
0653	1033	6.08	6.08	1337	6.07	6.07	1053	6.22	6.23	1107	6.54	6.55	1156	6.79	6.81
0681	1031	6.10	6.09	1325	6.09	6.08	1053	6.25	6.23	1107	6.58	6.56	1155	6.83	6.81
0708	1030	6.14	6.14	1321	6.13	6.13	1052	6.27	6.29	1106	6.60	6.61	1154	6.85	6.86
0732	1029	6.15	6.16*	1320	6.15	6.16	1050	6.29	6.31	1105	6.62	6.62	1154	6.87	6.87
0757	1028	6.19	6.17	1237	6.18	6.17	1049	6.32	6.31	1104	6.64	6.65	1153	6.88	6.88
0789	1027	6.18	6.19	1233	6.17	6.19	1046	6.31	6.33	1103	6.64	6.66	1152	6.88	6.91
0808	1026	6.20	6.21	1225	6.20	6.21	1040	6.33	6.33	1103	6.66	6.65	1151	6.90	6.91
0834	1025	6.22	6.28	1226	6.21	6.27	1039	6.34	6.39	1102	6.66	6.72	1150	6.90	6.95
0853	1024	6.27	6.29	1219	6.27	6.30	1038	6.41	6.42	1100	6.71	6.74	1150	6.94	6.99
0873	1023	6.31	6.35	1217	6.31	6.35	1037	6.42	6.46	1059	6.70	6.75	1149	6.93	6.97
0898	1022	6.35	6.37	1211	6.35	6.37	1036	6.45	6.48	1058	6.73	6.79	1148	6.97	7.03
0924	1021	6.38	6.37	1209	6.39	6.39	1036	6.49	6.50	1059	6.78	6.79	1147	7.02	7.01
0940	1020	6.39	6.37	1203	6.39	6.38	1035	6.51	6.50	1057	6.80	6.79	1147	7.02	7.03
0963	1020	6.40*	6.40	1200	6.40*	6.40	1034	6.50	6.50	1056	6.79	6.79	1146	7.02	7.05
0985	1019	6.41*	6.43	1158	6.41*	6.43	1033	6.53	6.55	1056	6.83	6.85	1145	7.07	7.09
1010	1018	6.44*	6.44	1153	6.44*	6.44	1030	6.55	6.56	1055	6.84	6.85	1144	7.10	7.09
1038	1017	6.44*	6.45	1146	6.45*	6.46	1028	6.57	6.58	1055	6.85	6.88	1143	7.08	7.11
1055	1016	6.45	6.46	1150	6.46	6.46	1027	6.57	6.59	1054	6.86	6.88	1142	7.09	7.11
1077	1015	6.46	6.46	1135	6.46	6.46	1025	6.59	6.58	1054	6.89	6.89	1142	7.13	7.12
1100	1013	6.45	6.46	1138	6.46	6.46	1024	6.58	6.59	1053	6.87	6.89	1141	7.13	7.13
1120	1012	6.46	6.47	1128	6.48	6.48	1023	6.60	6.59	1053	6.91	6.90	1140	7.14	7.14
1139	1011	6.46	6.47	1124	6.47	6.48	1022	6.58	6.60	1052	6.91	6.90	1140	7.16	7.15
1155	1010	6.49	6.49	1119	6.50	6.50	1022	6.64	6.61	1052	6.96	6.93	1139	7.20	7.17
1178	1009	6.52	6.50	1130	6.53	6.52	1021	6.67	6.65	1051	6.99	6.94	1138	7.20	7.17
1202	1008	6.52	6.54	1120	6.54	6.55	1021	6.69	6.69	1050	7.00	7.00	1137	7.22	7.22
1224	1008	6.52*	6.54	1113	6.56*	6.57	1020	6.69*	6.70	1050	6.99	7.02	1137	7.22	7.25
1241	1007	6.55	6.57	1107	6.57	6.58	1019	6.71	6.72	1049	7.01	7.04	1136	7.24	7.25
1264	1006	6.57	6.58	1110	6.58	6.59	1019	6.72	6.73	1048	7.02	7.05	1136	7.23	7.26
1284	1005	6.60	6.60	1100	6.60	6.61	1018	6.75	6.75	1048	7.07	7.06	1135	7.28	7.27
1298	1004	6.61	6.60	1105	6.62	6.60	1017	6.76	6.75	1047	7.09	7.07	1134	7.29	7.28
1315	1003	6.61	6.60	1058	6.62	6.61	1015	6.76	6.76	1046	7.09	7.07	1134	7.29	7.28
1343	1002	6.60	6.61	1055	6.62	6.63	1012	6.76	6.77	1045	7.08	7.08	1133	7.30	7.29
1360	1000	6.64	6.62	1050	6.66	6.63	1011	6.78	6.76	1045	7.10	7.08	1133	7.33	7.29
1377	0959	6.68	6.65	1040	6.69	6.66	1010	6.81	6.78	1044	7.12	7.08	1132	7.34	7.29
1396	0958	6.72	6.69	1038	6.74	6.70	1009	6.85	6.81	1045	7.16	7.11	1131	7.37	7.32
1410	0957	6.73	6.69	1045	6.74	6.71*	1009	6.86	6.83	1044	7.15	7.14	1130	7.35	7.34
1425	0956	6.73	6.74	1034	6.75	6.76	1008	6.86	6.85	1043	7.18	7.14	1128	7.40	7.34
1452	0955	6.82	6.83	1027	6.84	6.85	1007	6.95	6.94	1043	7.22	7.21	1125	7.40	7.38
1481	0954	6.84	6.84	1022	6.85	6.85	1006	6.96	6.96	1042	7.23	7.24	1122	7.40	7.43
1510	0953	6.85	6.86	1021	6.86	6.88	1005	6.98	6.98	1041	7.25	7.24	1122	7.43	7.42
1533	0952	6.87	6.87	1012	6.89	6.88	1004	7.00	6.99	1040	7.28	7.26	1121	7.46	7.43
1555	0950	6.89*	6.89	1030	6.90*	6.91	1004	7.01*	7.02	1039	7.29*	7.27	1120	7.48*	7.47

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	6- 6			6- 7			6- 8			6- 9			6-10		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	0949	6.89	6.90	1016	6.90	6.91	1003	7.01	7.02	1039	7.31	7.29	1119	7.48	7.47
1594	0948	6.91*	6.92	1015	6.92*	6.93	1003	7.03*	7.04	1038	7.33*	7.32	1119	7.50*	7.50
1610	0947	6.93	6.92	0958	6.95	6.93	1002	7.06	7.05	1038	7.36	7.33	1118	7.55	7.50
1640	0946	6.96	6.93	1009	6.97	6.95	1000	7.10	7.07	1037	7.40	7.36	1118	7.60	7.54
1662	0945	6.96	6.95	1000	6.98	6.97	0959	7.10	7.08	1037	7.40	7.38	1117	7.58	7.56
1678	0943	6.97	6.97	0951	6.99	6.98	0959	7.10	7.10	1036	7.40	7.39	1117	7.58	7.57
1695	0942	6.98	6.98	0948	7.00	7.01	0958	7.11	7.12	1035	7.42	7.44	1116	7.59	7.62
1714	0941	6.99	7.00	0955	7.00	7.02	0957	7.12	7.13	1034	7.42	7.45	1116	7.60	7.63
1730	0940	7.00	7.00	0940	7.01	7.02	0956	7.13	7.14	1033	7.43	7.44	1115	7.61	7.63
1750	0939	7.00*	7.00	0944	7.03*	7.02	0956	7.13	7.15	1033	7.44	7.45	1115	7.63	7.65
1766	0938	7.01	7.03	0931	7.03	7.05	0955	7.15	7.18	1032	7.48	7.50	1114	7.68	7.69
1784	0937	7.03	7.03	0935	7.05	7.03	0954	7.16	7.18	1032	7.47	7.50	1113	7.66	7.68
1800	0937	7.03	7.03	0925	7.05	7.06	0953	7.17	7.18	1031	7.48	7.50	1112	7.66	7.68
1815	0936	7.04	7.04	0924	7.05	7.06	0952	7.17	7.18	1030	7.50	7.50	1110	7.68	7.69
1830	0935	7.05	7.04	0918	7.08	7.06	0950	7.20	7.18	1030	7.52	7.50	1108	7.72	7.68

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	6-11			6-12			6-13			6-14			6-16		
		BANK			BANK			BANK			BANK			BANK	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	0930	6.41	6.40	1235	6.63	6.63	1122	6.56	6.56	0835	6.41	6.41	1505	5.89	5.88
0026	0932	6.44	6.46	1234	6.68	6.68	1121	6.59	6.61	0836	6.44	6.47	1502	5.91	5.92
0043	0935	6.46	6.47	1233	6.72	6.71	1120	6.61	6.62	0837	6.46	6.46	1500	5.92	5.94
0075	0938	6.53	6.56	1232	6.76	6.80	1119	6.66	6.70	0838	6.51	6.53	1459	5.96	5.98
0104	0941	6.56	6.56	1231	6.80	6.80	1118	6.69	6.70*	0839	6.54	6.53	1458	5.97	5.97
0120	0944	6.56	6.56	1230	6.82*	6.83	1117	6.69*	6.71	0841	6.53	6.54	1458	5.99	6.01
0137	0947	6.59	6.56	1229	6.89	6.85	1116	6.75	6.72	0842	6.56	6.54	1456	6.02	6.01
0158	0950	6.61	6.60	1228	6.88	6.87	1116	6.75	6.73	0843	6.58	6.57	1455	6.03	6.05
0178	0952	6.62	6.62	1227	6.88	6.88	1115	6.75	6.75	0844	6.59	6.60	1454	6.08	6.08
0204	0955	6.62	6.63	1226	6.88	6.89	1114	6.75	6.77	0845	6.59	6.59	1453	6.07	6.08
0220	0959	6.64	6.63	1225	6.90	6.89	1114	6.78	6.75	0847	6.61	6.61	1453	6.09	6.09
0238	1000	6.65	6.65	1224	6.90	6.90	1113	6.78	6.77	0848	6.62	6.61	1452	6.10	6.09*
0257	1001	6.69	6.65	1223	6.94	6.91	1112	6.81	6.78	0849	6.66	6.62	1452	6.12	6.10
0276	1002	6.72	6.67	1222	6.94	6.91	1112	6.83	6.79	0850	6.69	6.63	1451	6.14	6.10
0301	1003	6.76	6.71	1221	6.98	6.96	1111	6.86	6.84	0851	6.72	6.68	1450	6.15	6.13
0327	1004	6.75	6.74	1220	6.98	6.97	1110	6.86	6.85	0852	6.72	6.70	1449	6.16	6.15
0348	1005	6.79	6.76	1219	7.00	6.98	1109	6.90	6.87	0853	6.74	6.72	1449	6.19	6.17
0372	1006	6.79	6.77	1218	6.98	6.99	1108	6.89	6.89	0853	6.76	6.78	1447	6.19	6.24
0421	1007	6.86	6.80	1217	7.05	6.99	1107	6.98	6.91	0854	6.85	6.78	1446	6.29	6.27
0446	1008	6.85	6.81	1216	7.06	7.03	1106	6.98	6.95	0855	6.85	6.80	1445	6.31	6.30
0460	1009	6.88	6.83	1216	7.09	7.04	1106	7.01	6.97	0855	6.87	6.84	1444	6.33	6.31
0497	1010	6.88	6.87	1215	7.08	7.06	1105	7.01	6.99	0856	6.88	6.86	1443	6.35	6.34
0516	1010	6.88	6.89	1215	7.07	7.07	1104	7.01	7.01	0857	6.88	6.88	1443	6.35	6.35
0535	1010	6.91	6.90	1214	7.09	7.08	1103	7.03	7.01	0857	6.89	6.90	1442	6.36	6.35
0556	1011	6.95	6.92	1213	7.13	7.09	1102	7.06	7.02	0858	6.93	6.91	1442	6.37	6.36
0578	1012	6.96	6.92	1212	7.13	7.08	1101	7.06	7.04	0858	6.93	6.90	1441	6.37	6.36
0602	1012	6.96	6.95	1211	7.13	7.12	1100	7.07	7.06	0859	6.93	6.92	1440	6.37	6.37
0633	1013	6.96	6.96	1210	7.15	7.14	1100	7.06	7.06	0859	6.93	6.92	1440	6.37	6.36
0653	1014	6.97	7.00	1209	7.18	7.19	1059	7.07	7.10	0900	6.92	6.95	1439	6.37	6.39
0681	1015	7.01	7.01	1208	7.22	7.19	1059	7.11	7.09	0900	6.97	6.96	1439	6.40	6.39
0708	1015	7.03	7.05	1207	7.23	7.23	1058	7.12	7.14	0901	6.98	7.00	1439	6.42	6.42
0732	1016	7.06	7.05	1205	7.23	7.23	1057	7.16	7.15	0902	7.00	7.01	1438	6.42	6.42
0757	1017	7.07	7.08	1204	7.24	7.26	1055	7.16	7.17	0903	7.01	7.02	1437	6.44	6.45*
0789	1017	7.06	7.09	1202	7.25	7.26	1054	7.15	7.17	0904	7.01	7.03	1437	6.45	6.47
0808	1017	7.09	7.09	1201	7.25	7.27	1053	7.16	7.16	0904	7.03	7.02	1436	6.47	6.48
0834	1018	7.08	7.12	1200	7.26	7.31	1052	7.16	7.22	0905	7.04	7.08	1435	6.51	6.56
0853	1019	7.11	7.16	1159	7.28	7.35	1051	7.21	7.27	0906	7.09	7.12	1434	6.59	6.60
0873	1037	7.11	7.17	1158	7.29	7.35	1049	7.21	7.26	0906	7.10	7.14	1433	6.60	6.64
0898	1038	7.16	7.21	1157	7.33	7.40	1048	7.24	7.30	0907	7.11	7.18	1431	6.63	6.67
0924	1040	7.20	7.20	1155	7.38	7.39	1047	7.29	7.29	0908	7.17	7.17	1430	6.68	6.68
0940	1041	7.21	7.23	1154	7.39	7.41	1046	7.31	7.31	0908	7.17	7.20	1429	6.69	6.68
0963	1042	7.22	7.24	1153	7.41	7.42	1045	7.32	7.34	0909	7.21	7.23	1427	6.69	6.68
0985	1043	7.25	7.28	1152	7.45	7.48	1044	7.36	7.39	0910	7.24	7.27	1426	6.72	6.74
1010	1044	7.26	7.27	1151	7.45	7.47	1043	7.38	7.39	0910	7.27	7.27	1424	6.74	6.76
1038	1046	7.26	7.30	1150	7.47	7.49	1042	7.39	7.42	0911	7.26	7.29	1423	6.76	6.77
1055	1047	7.30	7.31	1148	7.47	7.50	1040	7.39	7.42	0911	7.27	7.30	1422	6.77	6.78
1077	1049	7.35	7.32	1146	7.52	7.52	1038	7.43	7.43	0912	7.31	7.29	1422	6.77	6.77
1100	1050	7.36	7.34	1144	7.54	7.53	1036	7.46	7.43	0912	7.30	7.30	1421	6.76	6.77
1120	1051	7.36	7.36	1142	7.56	7.56	1035	7.47	7.45	0913	7.33	7.32	1421	6.78	6.77
1139	1052	7.38	7.36	1140	7.58	7.56	1034	7.49	7.46	0913	7.35	7.32	1420	6.78	6.78
1155	1053	7.42	7.39	1139	7.61	7.58	1033	7.51	7.48	0914	7.37	7.34	1419	6.82	6.80
1178	1054	7.41	7.37	1138	7.61	7.59	1031	7.51	7.47	0914	7.37	7.35	1418	6.83	6.81
1202	1054	7.41	7.42	1137	7.60	7.61	1030	7.51	7.50	0915	7.38	7.38	1417	6.84	6.84
1224	1055	7.42	7.45	1136	7.61	7.64	1029	7.51	7.53	0915	7.38	7.40	1416	6.84	6.85
1241	1055	7.42	7.44	1135	7.62	7.63	1028	7.51	7.53	0916	7.37	7.39	1416	6.85	6.88
1264	1056	7.42	7.45	1134	7.62	7.63	1027	7.52	7.54	0916	7.37	7.41	1415	6.85	6.87
1284	1056	7.47	7.46	1133	7.65	7.65	1026	7.56	7.53	0917	7.42	7.42	1415	6.87	6.87
1298	1057	7.49	7.47	1132	7.66	7.66	1025	7.57	7.56	0917	7.43	7.42	1414	6.90	6.87
1315	1057	7.49	7.46	1131	7.68	7.66	1024	7.57	7.56	0918	7.44	7.42	1414	6.90	6.89
1343	1058	7.51	7.49	1130	7.68	7.67	1023	7.58	7.57	0918	7.45	7.43	1410	6.93	6.93
1360	1059	7.50	7.49	1129	7.69	7.67	1022	7.60	7.57	0919	7.46	7.44	1409	6.98	6.95
1377	1059	7.53	7.49	1128	7.71	7.68	1021	7.62	7.57	0920	7.49	7.45	1408	7.00	6.97
1396	1100	7.54	7.52	1127	7.71	7.70	1020	7.61	7.60	0920	7.49	7.47	1408	7.03	7.01
1410	1101	7.53	7.52	1126	7.70	7.69	1019	7.60	7.59	0921	7.50	7.48	1407	7.03	7.01
1425	1102	7.56	7.51	1125	7.72	7.68	1018	7.63	7.59	0922	7.52	7.48	1406	7.03	7.02
1452	1103	7.56	7.54*	1124	7.71	7.70*	1017	7.63	7.61*	0923	7.54	7.52*	1405	7.10	7.08*
1481	1104	7.55	7.59	1123	7.70	7.75	1016	7.62	7.65	0923	7.52	7.56	1405	7.10	7.11
1510	1104	7.56	7.57	1123	7.71*	7.72	1016	7.63*	7.63	0924	7.53*	7.54	1404	7.14*	7.13
1533	1105	7.59	7.57	1122	7.74	7.73	1015	7.65	7.63	0925	7.57	7.54	1403	7.14	7.12
1555	1106	7.61*	7.60	1121	7.75*	7.74	1014	7.67*	7.66	0926	7.59*	7.58	1402	7.16*	7.15

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	6-11			6-12			6-13			6-14			6-16		
		BANK			BANK			BANK			BANK			BANK	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	1107	7.61	7.59	1121	7.75	7.74	1013	7.68	7.65	0927	7.59	7.57	1401	7.17	7.16
1594	1108	7.63*	7.62	1120	7.76*	7.75	1012	7.69*	7.68	0927	7.62*	7.61	1400	7.19*	7.19
1610	1109	7.67	7.63	1119	7.79	7.75	1012	7.72	7.68	0928	7.63	7.60	1359	7.22	7.19
1640	1110	7.71	7.64	1118	7.81	7.77	1011	7.75	7.70	0928	7.68	7.63	1349	7.25	7.21
1662	1111	7.70	7.68	1117	7.81	7.79	1010	7.73	7.72	0929	7.67	7.65	1348	7.25	7.23*
1678	1112	7.70	7.68	1116	7.81	7.81*	1009	7.75	7.74*	0929	7.68	7.67*	1348	7.26	7.25*
1695	1112	7.71	7.72	1116	7.81	7.84	1008	7.75	7.77	0930	7.69	7.72	1347	7.28	7.28
1714	1113	7.71	7.74	1115	7.82	7.84	1007	7.76	7.78	0931	7.70	7.73	1345	7.29	7.30
1730	1115	7.73	7.75	1114	7.83	7.84	1007	7.77	7.78	0931	7.72	7.72	1344	7.29	7.31
1750	1116	7.76	7.77	1113	7.85	7.87	1006	7.80	7.80	0932	7.74	7.75	1342	7.30	7.31
1766	1117	7.79	7.81	1113	7.88	7.90*	1005	7.81	7.83*	0932	7.74	7.76*	1341	7.33	7.35*
1784	1119	7.77	7.80	1112	7.86	7.89	1004	7.81	7.83	0933	7.75	7.77	1339	7.33	7.34
1800	1121	7.78	7.79	1111	7.87	7.88	1003	7.82	7.82	0933	7.76	7.77	1338	7.33	7.34
1815	1122	7.81	7.80	1111	7.90	7.88	1002	7.83	7.83	0934	7.77	7.77	1337	7.35	7.35
1830	1125	7.82	7.80	1110	7.91	7.88	1001	7.85	7.83	0934	7.79	7.76	1336	7.37	7.35

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	6-17			6-18			6-19			6-20			6-20		
		BANK			BANK			BANK			BANK			BANK	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	1401	5.98	5.98	1253	6.24	6.24	1545	6.17	6.17	1654	6.48	6.49	1947	6.44	6.47
0026	1400	6.01	6.03	1253	6.28	6.30	1545	6.20	6.22	1656	6.52	6.53	1946	6.48	6.49
0043	1359	6.02	6.03	1252	6.30	6.32	1527	6.23	6.23	1637	6.53	6.55	1945	6.49	6.49
0075	1358	6.07	6.09	1251	6.35	6.38	1528	6.28	6.30	1602	6.57	6.62	1944	6.55	6.59
0104	1357	6.08	6.08	1250	6.37	6.36	1525	6.30	6.29	1625	6.62	6.61	1943	6.59	6.59
0120	1356	6.09	6.11	1249	6.37	6.39	1525	6.31	6.32	1624	6.61	6.63	1942	6.58	6.60
0137	1356	6.13	6.11	1248	6.42	6.38	1510	6.35	6.31	1608	6.67	6.63	1941	6.62	6.60
0158	1355	6.13	6.15	1247	6.41	6.41	1508	6.34	6.35	1606	6.67	6.65	1940	6.64	6.62
0178	1355	6.17	6.17	1247	6.43	6.44	1455	6.38	6.38	1549	6.67	6.68	1939	6.64	6.65
0204	1354	6.16	6.17	1246	6.43	6.44	1525	6.36	6.37	1548	6.67	6.67	1938	6.63	6.65
0220	1354	6.18	6.18	1246	6.46	6.44	1510	6.39	6.37	1531	6.69	6.66	1937	6.67	6.65
0238	1353	6.19	6.19	1245	6.46	6.45	1510	6.40	6.39	1529	6.69	6.68	1936	6.67	6.66
0257	1353	6.23	6.20	1245	6.49	6.45	1455	6.44	6.40	1507	6.73	6.69	1935	6.71	6.67
0276	1352	6.25	6.20	1244	6.52	6.48	1455	6.45	6.42	1557	6.76	6.73	1935	6.74	6.69
0301	1352	6.27	6.24	1244	6.55	6.52	1435	6.50	6.46	1535	6.80	6.75	1934	6.77	6.74
0327	1350	6.26	6.26	1243	6.54	6.53	1451	6.49	6.47	1530	6.80	6.78	1933	6.78	6.76
0348	1349	6.30	6.27	1243	6.60	6.56	1437	6.54	6.51	1518	6.84	6.81	1933	6.82	6.79
0372	1347	6.29	6.30	1242	6.60	6.59	1436	6.55	6.54	1515	6.84	6.84	1932	6.82	6.81
0421	1346	6.39	6.37	1241	6.68	6.65	1416	6.61	6.58	1450	6.90	6.87	1931	6.89	6.84
0446	1346	6.40	6.39	1240	6.69	6.66	1412	6.62	6.60	1449	6.91	6.88	1929	6.89	6.86
0460	1345	6.43	6.41	1239	6.70	6.67	1358	6.64	6.61	1430	6.92	6.88	1928	6.91	6.87
0497	1345	6.45	6.43	1238	6.72	6.69	1430	6.65	6.63	1429	6.93	6.91	1927	6.92	6.90
0516	1345	6.45	6.44	1238	6.71	6.71	1410	6.66	6.65	1411	6.92	6.93	1927	6.92	6.91
0535	1344	6.46	6.45	1237	6.72	6.72	1410	6.67	6.66	1502	6.95	6.94	1926	6.93	6.92
0556	1344	6.47	6.46	1237	6.75	6.73	0400	6.69	6.68	1452	6.99	6.96	1926	6.96	6.94
0578	1343	6.47	6.45	1236	6.75	6.72	1355	6.69	6.67	1437	6.99	6.95	1925	6.97	6.94
0602	1343	6.47	6.47	1236	6.75	6.74	1335	6.70	6.69	1420	6.98	6.96	1925	6.97	6.95
0633	1342	6.47	6.47	1235	6.74	6.75	1335	6.69	6.70	1357	6.97	6.98	1924	6.97	6.97
0653	1342	6.47	6.49	1235	6.75	6.78	1317	6.70	6.72	1407	6.97	7.01	1923	6.97	7.00
0681	1341	6.51	6.51	1234	6.79	6.78	1317	6.73	6.73	1355	7.02	7.00	1622	7.02	7.01
0708	1341	6.52	6.53	1234	6.81	6.82	1300	6.76	6.77	1335	7.03	7.05	1921	7.03	7.05
0732	1340	6.52	6.54	1233	6.83	6.83	1300	6.78	6.78	1334	7.05	7.06	1921	7.05	7.06
0757	1339	6.56	6.57*	1232	6.86	6.86	1245	6.80	6.81	1313	7.06	7.07	1920	7.08	7.07
0789	1338	6.56	6.58	1231	6.85	6.88	1331	6.80	6.81	1312	7.06	7.07	1919	7.08	7.08
0808	1338	6.58	6.58	1230	6.88	6.87	1330	6.82	6.81	1248	7.06	7.07	1918	7.08	7.09
0834	1337	6.61	6.65	1229	6.88	6.93	1329	6.82	6.86	1405	7.10	7.15	1916	7.10	7.13
0853	1336	6.65	6.69	1227	6.92	6.95	1313	6.87	6.91	1345	7.13	7.18	1915	7.12	7.17
0873	1336	6.67	6.71	1226	6.91	6.95	1310	6.88	6.92	1345	7.13	7.18	1914	7.13	7.18
0898	1335	6.70	6.74	1225	6.94	7.00	1257	6.91	6.95	1330	7.16	7.21	1913	7.17	7.21
0924	1335	6.76	6.76	1224	7.00	7.01	1255	6.96	6.96	1325	7.21	7.21	1612	7.21	7.21
0940	1334	6.76	6.75	1224	7.01	7.01	1237	6.96	6.96	1310	7.21	7.23	1912	7.22	7.23
0963	1334	6.78	6.75	1223	7.02	7.03	1200	6.97	6.98	1307	7.22	7.24	1911	7.24	7.26
0985	1333	6.80	6.82	1222	7.06	7.08	1145	7.01	7.02	1244	7.23	7.27	1911	7.26	7.29
1010	1333	6.81	6.83	1221	7.07	7.08	1133	7.02	7.03	1212	7.23	7.24	1910	7.27	7.29
1038	1332	6.83	6.85	1220	7.08	7.10	1115	7.03	7.05	1154	7.23	7.26	1909	7.28	7.30
1055	1332	6.84	6.86	1219	7.08	7.10	1150	7.03	7.05	1209	7.23	7.26	1908	7.28	7.31
1077	1332	6.85	6.85	1218	7.10	7.09	1132	7.05	7.05	1150	7.26	7.26	1908	7.32	7.31
1100	1331	6.84	6.85	1217	7.09	7.10	1130	7.04	7.05	1149	7.25	7.26	1906	7.32	7.32
1120	1330	6.86	6.85	1217	7.12	7.11	1120	7.07	7.06	1133	7.26	7.27	1905	7.34	7.33
1139	1329	6.86	6.86	1216	7.12	7.12	1115	7.08	7.06	1133	7.29	7.27	1904	7.35	7.34
1155	1329	6.89	6.87	1215	7.17	7.14	1100	7.11*	7.08	1116	7.30	7.28	1903	7.39	7.36
1178	1329	6.92	6.88	1215	7.18	7.13	1057	7.12	7.08	1115	7.31	7.26	1902	7.39	7.35
1202	1329	6.92	6.93	1215	7.18	7.19	1043	7.12	7.13	1056	7.29	7.31	1902	7.39	7.40
1224	1328	6.93	6.95	1214	7.18	7.20	1040	7.14	7.15	1150	7.35	7.36	1901	7.40	7.43
1241	1328	6.93	6.96	1213	7.19	7.22	1025	7.15	7.17	1134	7.34	7.37	1900	7.41	7.43
1264	1327	6.92	6.97	1212	7.19	7.23	1113	7.14	7.19	1130	7.33	7.37	1859	7.40	7.44
1284	1327	6.98	6.98	1212	7.24	7.24	1054	7.20	7.19	1114	7.38	7.38	1858	7.46	7.45
1298	1326	7.01	7.00	1211	7.27	7.24	1054	7.21	7.19	1113	7.39	7.37	1857	7.47	7.45
1315	1325	7.02	7.00	1211	7.28	7.26	1029	7.22	7.19	1050	7.38	7.37	1857	7.47	7.46
1343	1323	7.04	7.04	1210	7.28	7.28	1028	7.23	7.23	1048	7.40	7.38	1854	7.49	7.48
1360	1323	7.06	7.03	1209	7.30	7.28	1013	7.25	7.22	1035	7.39	7.38	1853	7.51	7.48
1377	1322	7.07	7.04	1208	7.32	7.27	1012	7.27	7.23	1034	7.42	7.38	1853	7.51	7.48
1396	1322	7.11	7.08	1208	7.35	7.31	1001	7.30	7.26	1021	7.44	7.40	1852	7.54	7.51
1410	1322	7.10	7.09	1207	7.34	7.32	0958	7.29	7.27	1020	7.42	7.41	1852	7.52	7.51
1425	1322	7.13	7.09	1207	7.37	7.33	0945	7.31	7.28	1004	7.44	7.41	1852	7.55	7.51
1452	1321	7.17	7.15*	1206	7.40	7.38*	0944	7.34	7.33*	1003	7.46	7.47*	1851	7.56	7.54*
1481	1321	7.18	7.20	1205	7.39	7.43	0914	7.35	7.37	0930	7.44	7.48	1851	7.55	7.59
1510	1320	7.21*	7.20	1205	7.40*	7.41	0914	7.35*	7.36	0930	7.46*	7.46	1850	7.55*	7.56
1533	1320	7.22	7.21	1205	7.45	7.41	0900	7.39	7.37	0915	7.49	7.47	1849	7.59	7.57
1555	1319	7.25*	7.24	1205	7.46*	7.45	0900	7.40*	7.40	0915	7.49*	7.49	1848	7.60*	7.60

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	6-17			6-18			6-19			6-20			6-20		
		BANK			BANK			BANK			BANK			BANK	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	1319	7.26	7.25	1204	7.47	7.46*	0849	7.42	7.40	0904	7.52	7.48	1847	7.62*	7.59
1594	1318	7.28*	7.28	1202	7.50*	7.49	0847	7.43*	7.44	0903	7.54*	7.52	1845	7.64*	7.63
1610	1318	7.32	7.28	1201	7.53	7.49	0831	7.48	7.44	0851	7.55	7.52	1844	7.66	7.61
1640	1317	7.36	7.31	1201	7.59	7.52	1020	7.54	7.48	1049	7.65	7.58	1844	7.70	7.63
1662	1317	7.35	7.33*	1200	7.58	7.56*	1005	7.53	7.51*	1034	7.64	7.62*	1843	7.70	7.68*
1678	1317	7.35	7.35*	1159	7.58	7.57*	1005	7.53	7.52*	1034	7.64	7.63*	1843	7.70	7.69*
1695	1317	7.37	7.38	1159	7.59	7.62	0948	7.54	7.55	1014	7.65	7.67	1842	7.70	7.73
1714	1316	7.38	7.40	1158	7.59	7.61	0945	7.54	7.57	1013	7.65	7.68	1842	7.71	7.74
1730	1316	7.39	7.40	1158	7.59	7.62	0932	7.55	7.57	0958	7.65	7.68	1841	7.72	7.74
1750	1315	7.39	7.40	1157	7.62	7.62	0930	7.56	7.57	0957	7.67	7.68	1841	7.73	7.75
1766	1315	7.42	7.44*	1157	7.65	7.66*	0910	7.61	7.61*	0943	7.69	7.71*	1841	7.76	7.77*
1784	1314	7.42	7.44	1156	7.64	7.66	0908	7.59	7.62	0934	7.69	7.71	1840	7.75	7.78
1800	1314	7.43	7.44	1156	7.66	7.67	0855	7.60	7.62	0916	7.70	7.71	1840	7.77	7.78
1815	1313	7.44	7.45	1155	7.66	7.67	0850	7.61	7.62	0910	7.70	7.70	1839	7.78	7.78
1830	1313	7.47	7.44	1154	7.69	7.66	0835	7.64	7.62	0910	7.72	7.70	1837	7.81*	7.78

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	6-21			6-23			6-24			6-25			6-26		
		BANK			BANK			BANK			BANK			BANK	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	1635	6.34	6.33	1555	6.25	6.25	1551	6.14	6.11	1753	6.05	6.03	0902	6.02	6.01
0026	1630	6.37	6.39	1550	6.26	6.29	1549	6.16	6.18	1752	6.07	6.09	0903	6.05	6.05
0043	1614	6.39	6.41	1337	6.30	6.32	1547	6.17	6.19	1751	6.08	6.10	0905	6.06	6.09
0075	1622	6.44	6.47	1527	6.35	6.38	1546	6.23	6.25	1750	6.14	6.15	0906	6.12	6.14
0104	1622	6.46	6.46	1525	6.37	6.37	1545	6.25	6.25	1750	6.15	6.15	0908	6.14	6.14
0120	1620	6.48	6.48	1524	6.39	6.39	1544	6.26	6.27	1749	6.18	6.18	0909	6.15	6.17
0137	1602	6.52	6.48	1518	6.42	6.39	1544	6.29	6.27	1748	6.21	6.19	0910	6.19	6.17
0158	1558	6.52	6.52	1500	6.42	6.42	1543	6.30	6.31	1747	6.21	6.22	0911	6.19	6.21
0178	1541	6.54	6.54	1448	6.45	6.45	1543	6.33	6.33	1746	6.25	6.25	0912	6.23	6.23
0204	1541	6.53	6.54	1524	6.44	6.45	1542	6.32	6.34	1745	6.24	6.25	0913	6.22	6.23
0220	1525	6.56	6.55	1511	6.47	6.45	1542	6.35	6.34	1745	6.27	6.26	0914	6.25	6.24
0238	1609	6.56	6.55	1510	6.48	6.47	1541	6.36	6.35	1744	6.27	6.27	0915	6.25	6.24
0257	1554	6.60	6.57	1509	6.52	6.48	1541	6.40	6.37	1743	6.31	6.28	0915	6.29	6.26
0276	1551	6.63	6.59	1507	6.54	6.50	1540	6.42	6.39	1742	6.33	6.29	0916	6.31	6.28
0301	1534	6.66	6.63	1444	6.57	6.54	1540	6.45	6.42	1741	6.37	6.33	0917	6.34	6.31
0327	1530	6.67	6.66	1435	6.56	6.55	1539	6.44	6.44	1740	6.35	6.36	0918	6.34	6.33
0348	1515	6.71	6.68	1420	6.61	6.58	1538	6.49	6.46	1739	6.40	6.36	0918	6.38	6.35
0372	1521	6.72	6.71	1419	6.60	6.60	1538	6.49	6.49	1739	6.40	6.39	0919	6.38	6.38
0421	1502	6.78	6.73	1359	6.68	6.64	1537	6.57	6.53	1738	6.48	6.44	0920	6.46	6.43
0446	1452	6.78	6.76	1445	6.68	6.66	1537	6.56	6.55	1737	6.48	6.46	0921	6.46	6.44
0460	1433	6.81	6.77	1427	6.71	6.67	1536	6.59	6.56	1736	6.50	6.46	0921	6.48	6.46
0497	1512	6.82	6.80	1426	6.72	6.70	1535	6.60	6.58	1735	6.51	6.49	0922	6.50	6.48
0516	1454	6.82	6.82	1410	6.71	6.71	1535	6.60	6.59	1734	6.51	6.51	0922	6.49	6.49
0535	1450	6.83	6.82	1410	6.73	6.71	1534	6.61	6.60	1734	6.52	6.51	0923	6.51	6.49
0556	1438	6.86	6.84	1354	6.75	6.73	1533	6.62	6.61	1733	6.53	6.52	0923	6.52	6.51
0578	1437	6.87	6.83	1352	6.74	6.72	1533	6.63	6.61	1733	6.53	6.51	0924	6.52	6.51
0602	1421	6.85	6.86	1335	6.73	6.73	1532	6.63	6.62	1732	6.53	6.53	0924	6.53	6.52
0633	1420	6.86	6.86	1334	6.74	6.75	1532	6.63	6.63	1732	6.53	6.54	0925	6.52	6.53
0653	1400	6.86	6.90	1317	6.74	6.78	1531	6.64	6.66	1731	6.55	6.56	0925	6.54	6.56
0681	1358	6.91	6.90	1355	6.79	6.79	1530	6.67	6.67	1731	6.58	6.57	0926	6.57	6.56
0708	1341	6.93	6.94	1338	6.81	6.83	1529	6.69	6.70	1730	6.60	6.61	0927	6.59	6.60
0732	1340	6.94	6.95	1336	6.82	6.82	1529	6.69	6.71	1729	6.60	6.62	0928	6.60	6.60
0757	1322	6.96	6.96	1320	6.85	6.86	1528	6.72	6.74	1729	6.63	6.64	0928	6.62	6.64
0789	1320	6.96	6.98	1318	6.85	6.86	1527	6.73	6.75	1728	6.63	6.65	0929	6.63	6.64
0808	1303	6.98	6.97	1300	6.86	6.86	1526	6.75	6.75	1727	6.65	6.66	0929	6.65	6.63
0834	1422	6.99	7.02	1257	6.88	6.92	1526	6.77	6.81	1727	6.67	6.72	0930	6.67	6.70
0853	1402	7.02	7.07	1238	6.91	6.95	1525	6.81	6.84	1726	6.72	6.75	0930	6.72	6.74
0873	1357	7.03	7.07	1235	6.91	6.95	1524	6.81	6.86	1726	6.72	6.77	0931	6.72	6.77
0898	1343	7.05	7.11	1225	6.94	6.98	1523	6.83	6.89	1725	6.75	6.81	0932	6.74	6.80
0924	1342	7.11	7.11	1314	6.99	7.00	1522	6.89	6.90	1725	6.81	6.81	0933	6.80	6.80
0940	1323	7.12	7.13	1258	7.00	7.00	1521	6.90	6.91	1724	6.82	6.82	0934	6.81	6.80
0963	1322	7.12	7.16	1257	7.01	7.03	1520	6.91	6.93	1724	6.82	6.81	0934	6.82	6.81
0985	1253	7.16	7.18	1237	7.04	7.07	1520	6.95	6.97	1723	6.86	6.87	0935	6.85	6.87
1010	1228	7.16	7.17	1236	7.06	7.07	1519	6.96	6.97	1723	6.87	6.88	0936	6.87	6.88
1038	1211	7.17	7.19	1220	7.06	7.09	1518	6.97	6.99	1722	6.89	6.90	0937	6.88	6.89
1055	1227	7.17	7.20	1144	7.06	7.08	1518	6.97	6.99	1721	6.89	6.91	0938	6.89	6.90
1077	1219	7.20	7.20	1123	7.08	7.08	1517	7.00	6.99	1720	6.91	6.91	0939	6.90	6.90
1100	1208	7.20	7.20	1123	7.06	7.07	1516	6.98	6.99	1719	6.89	6.90	0940	6.88	6.89
1120	1151	7.21	7.21	1107	7.08	7.08	1515	7.02	7.00	1718	6.92	6.91	0941	6.91	6.91
1139	1150	7.23	7.21	1106	7.09	7.08	1514	7.01	7.01	1718	6.92	6.92	0941	6.92	6.91
1155	1129	7.25	7.24	1050	7.12	7.10	1513	7.06	7.03	1717	6.96	6.94	0942	6.95	6.93
1178	1128	7.27	7.22	1046	7.14	7.10	1512	7.07	7.03	1717	6.98	6.95	0942	6.97	6.94
1202	1115	7.26	7.27	1031	7.14	7.15	1512	7.08	7.08	1716	6.99	6.99	0943	6.99	6.98
1224	1112	7.28	7.29	1135	7.17	7.19	1511	7.08	7.10	1715	6.99	7.01	0943	6.99	7.01
1241	1051	7.28	7.30	1117	7.17	7.20	1511	7.09	7.12	1715	7.00	7.02	0944	7.00	7.03
1264	1207	7.29	7.33	1116	7.16	7.21	1510	7.09	7.14	1714	7.00	7.04	0944	7.00	7.05
1284	1151	7.34	7.33	1100	7.23	7.21	1510	7.13*	7.13	1714	7.05	7.04	0945	7.06	7.04
1298	1150	7.35	7.33	1058	7.24	7.22	1509	7.17	7.14	1713	7.08	7.06	0945	7.09	7.06
1315	1125	7.35	7.34	1033	7.24	7.24	1509	7.18	7.16	1712	7.09	7.08	0946	7.10	7.08
1343	1122	7.37	7.35	1032	7.26	7.26	1508	7.19	7.19	1711	7.10	7.11	0947	7.11	7.11
1360	1107	7.38	7.35	1018	7.29	7.25	1507	7.21	7.19	1711	7.15	7.11	0947	7.14	7.11
1377	1105	7.39	7.35	1017	7.29	7.25	1506	7.24	7.19	1710	7.15	7.11	0948	7.15	7.11
1396	1053	7.42	7.37	1003	7.32	7.28	1505	7.27	7.23	1709	7.13	7.15	0949	7.18	7.14
1410	1051	7.40	7.40	1002	7.30	7.30	1504	7.25	7.24	1708	7.16	7.18	0950	7.18	7.16
1425	1037	7.43	7.39	0948	7.33	7.29	1503	7.29	7.25	1708	7.20	7.17	0951	7.21	7.17
1452	1035	7.45	7.44*	0946	7.36	7.34*	1502	7.32	7.30*	1707	7.24	7.22*	0951	7.24	7.22*
1481	1004	7.44	7.48	0916	7.35	7.38	1502	7.32	7.34	1706	7.25	7.27	0952	7.25	7.26
1510	1002	7.45*	7.46	0916	7.37*	7.37	1501	7.34*	7.33	1705	7.27*	7.26	0952	7.27*	7.26
1533	0947	7.49	7.47	0904	7.40	7.38	1500	7.37	7.34	1705	7.29	7.26	0953	7.30	7.28
1555	0945	7.49*	7.49	0902	7.41*	7.41	1500	7.38*	7.37	1704	7.31*	7.30	0953	7.31*	7.30

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE														
	6-21			6-23			6-24			6-25			6-26		
		---BANK---			---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	0933	7.52	7.49	0851	7.42	7.40	1459	7.38*	7.37	1703	7.31*	7.30	0954	7.31*	7.31
1594	0930	7.51*	7.52	0849	7.43*	7.44	1459	7.41*	7.41	1702	7.33*	7.33	0954	7.34*	7.34
1610	0915	7.57	7.53	0836	7.46	7.44	1458	7.44	7.41	1702	7.36	7.34	0955	7.38	7.34
1640	1044	7.62	7.56	1024	7.52	7.49	1458	7.49	7.43	1701	7.41	7.37	0955	7.42	7.36
1662	1030	7.62	7.60*	1008	7.53	7.51*	1457	7.49	7.47*	1701	7.41	7.39*	0956	7.41	7.39*
1678	1029	7.62	7.61*	1007	7.54	7.53*	1456	7.49	7.48*	1700	7.42	7.41*	0957	7.42	7.41*
1695	1012	7.62	7.64	0950	7.54	7.56	1456	7.50	7.52	1700	7.43	7.44	0957	7.44	7.44
1714	1011	7.63	7.66	0950	7.55	7.57	1456	7.50	7.53	1659	7.43	7.45	0958	7.43	7.46
1730	0955	7.63	7.66	0934	7.55	7.59	1454	7.51	7.53	1658	7.43	7.46	0958	7.44	7.47
1750	0955	7.66	7.67	0917	7.56	7.57*	1454	7.53	7.54	1657	7.44	7.46	0959	7.46	7.47
1766	0938	7.68	7.69*	0917	7.59	7.59*	1453	7.56	7.57*	1656	7.47	7.49*	0959	7.48	7.50*
1784	0937	7.68	7.70	0916	7.59	7.62	1452	7.55	7.58	1655	7.47	7.50	1000	7.49	7.51
1800	0919	7.69	7.71	0859	7.61	7.62	1452	7.58	7.59	1655	7.50	7.51	1000	7.51	7.51
1815	0920	7.70	7.71	0858	7.61	7.62	1451	7.59	7.59	1654	7.51	7.51	1001	7.52	7.52
1830	0907	7.72*	7.70	0853	7.64*	7.62	1451	7.60*	7.58	1653	7.53*	7.51	1001	7.52*	7.50

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980—CONTINUED

	DATE											
	6-27			6-28			6-29			9-15(2)		
		---BANK---			---BANK---			---BANK---			---BANK---	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
0000	1646	6.01	5.98	1729	5.72	5.71	1530	5.65	5.63	1235	5.21	5.20*
0026	1645	6.03	6.04	1728	5.75	5.76	1533	5.68	5.69	1230	5.27	5.26
0043	1644	6.04	6.06	1727	5.75	5.77	1535	5.68	5.70	1225	5.27	5.28
0075	1644	6.10	6.11	1726	5.79	5.80	1537	5.72	5.73	1200	5.29	5.29
0104	1643	6.12	6.12	1725	5.80	5.81	1539	5.73	5.74	1155	5.30	5.29
0120	1643	6.14	6.15	1725	5.83	5.85	1541	5.77	5.78	1152	5.36	5.33
0137	1642	6.17	6.15	1724	5.87	5.86	1543	5.78	5.79	1145	5.38	5.38
0158	1642	6.17	6.19	1723	5.88	5.89	1545	5.81	5.83	1140	5.38*	5.39
0178	1641	6.21	6.21	1722	5.92	5.92	1547	5.85	5.84	1131	5.40	5.40
0204	1640	6.20	6.21	1722	5.92	5.93	1549	5.85	5.86	1125	5.41*	5.41
0220	1640	6.22	6.22	1721	5.94	5.94	1550	5.87	5.87	1116	5.42	5.42
0238	1639	6.23	6.23	1720	5.95	5.95*	1551	5.87	5.87*	1110	5.43	5.43*
0257	1639	6.27	6.24	1719	5.97	5.95	1552	5.90	5.89	1102	5.44	5.44
0276	1638	6.28	6.25	1718	5.98	5.96	1551	5.91	5.89	1055	5.44*	5.42
0301	1637	6.31	6.28	1716	6.00	5.98	1550	5.93	5.91	1021	5.46	5.46
0327	1637	6.31	6.30	1715	6.01	5.99	1549	5.94	5.92	1015	5.48	5.47
0348	1636	6.36	6.33	1714	6.03	6.03	1548	5.96	5.95	1005	5.48	5.51
0372	1636	6.37	6.36	1712	6.02	6.03	1546	5.96	5.96	1000	5.52*	5.56
0421	1635	6.42	6.40	1711	6.10	6.09	1545	6.03	6.03	0945	5.56*	5.56
0446	1635	6.42	6.41	1710	6.12	6.11*	1543	6.05	6.05*	0940	5.60*	5.60*
0460	1634	6.44	6.42	1709	6.14	6.13	1542	6.07	6.06	0933	5.63	5.64
0497	1633	6.45	6.44	1708	6.16	6.15	1540	6.09	6.08	0930	5.64*	5.64
0516	1632	6.46	6.46	1707	6.16	6.16	1539	6.09	6.09	0855	5.64*	5.65
0535	1632	6.47	6.46	1706	6.16	6.15	1533	6.10*	6.08	0850	5.64*	5.64
0556	1631	6.50	6.48	1705	6.17	6.17	1537	6.10	6.09	0840	5.64	5.64*
0578	1631	6.49	6.48	1704	6.18	6.17	1536	6.11	6.09	0835	5.65	5.64*
0602	1630	6.50	6.50	1703	6.18	6.18	1535	6.11	6.11	0825	5.66	5.67
0633	1629	6.50	6.50	1702	6.19*	6.19	1534	6.11*	6.11	0820	5.67*	5.67
0653	1629	6.51	6.53	1701	6.20	6.20	1533	6.12	6.13	0803	5.68	5.68
0681	1628	6.55	6.53	1700	6.21	6.20	1531	6.13	6.12	0800	5.68*	5.67
0708	1628	6.56	6.58	1659	6.23	6.24	1530	6.16	6.17	1755	5.71	5.71
0732	1627	6.57	6.58	1658	6.24	6.25*	1529	6.17	6.18	1750	5.72	5.73*
0757	1626	6.59	6.60	1657	6.26	6.28	1528	6.19	6.20	1730	5.73	5.73*
0789	1625	6.59	6.61	1656	6.26	6.27	1526	6.18	6.20	1725	5.80	5.82*
0808	1625	6.61	6.62	1655	6.29	6.32	1525	6.22	6.26	1722	5.83	5.87
0834	1624	6.62	6.68	1654	6.33	6.39	1523	6.25	6.31	1715	5.94	5.96
0853	1623	6.67	6.70	1653	6.39	6.41	1522	6.32	6.33	1700	5.96	5.98*
0873	1623	6.68	6.74	1651	6.42*	6.46	1521	6.34	6.38	1655	6.00	6.04*
0898	1622	6.70	6.74	1650	6.45	6.48	1520	6.39	6.41	1645	6.10	6.09
0924	1622	6.77	6.76	1649	6.49	6.49	1519	6.42	6.42	1640	6.11	6.10
0940	1621	6.78	6.76	1647	6.51	6.49	1518	6.43	6.43	1630	6.11	6.10*
0963	1621	6.79	6.77	1646	6.50	6.51	1517	6.43	6.44	1625	6.10*	6.10
0985	1620	6.82	6.83	1645	6.54	6.55	1516	6.47	6.47	1615	6.11	6.12
1010	1620	6.83	6.84	1644	6.55*	6.56	1515	6.48*	6.49	1605	6.12*	6.13
1038	1619	6.84	6.86	1643	6.56*	6.57	1514	6.49	6.49	1540	6.12*	6.13
1055	1619	6.85	6.86	1642	6.57	6.57	1513	6.49	6.50	1535	6.13*	6.13
1077	1618	6.85	6.86	1641	6.57	6.58	1512	6.49	6.50	1515	6.13	6.13
1100	1618	6.84	6.86	1640	6.56	6.57	1511	6.49	6.49	1510	6.14	6.15
1120	1617	6.88	6.86	1639	6.59	6.58	1510	6.51	6.51	1500	6.15	6.16*
1139	1617	6.89	6.87	1638	6.58	6.59	1509	6.50	6.52	1455	6.15*	6.16*
1155	1616	6.93	6.89	1637	6.62	6.61	1508	6.53	6.53	1450	6.15	6.16
1178	1616	6.93	6.90	1636	6.64	6.63	1506	6.56	6.55	1440	6.16	6.16
1202	1615	6.95	6.95	1635	6.65	6.66	1505	6.57	6.57	1430	6.16*	6.16
1224	1615	6.95	6.98	1634	6.65*	6.66	1504	6.57	6.58	1425	6.16*	6.17
1241	1614	6.97	6.99	1633	6.66*	6.68	1503	6.58*	6.59	1345	6.17*	6.18
1264	1614	6.97	7.01	1632	6.67	6.69	1502	6.59	6.61	1340	6.17*	6.18
1284	1613	7.03	7.01	1631	6.71	6.71*	1502	6.64	6.64*	1315	6.19	6.19*
1298	1613	7.04	7.02	1630	6.73	6.72*	1501	6.66	6.65*	1310	6.20	6.19*
1315	1612	7.05	7.03	1629	6.73	6.73	1500	6.67	6.67	1310	6.20	6.20*
1343	1612	7.06	7.07	1628	6.77	6.78	1457	6.69	6.70	1305	6.31	6.30
1360	1611	7.11	7.06	1627	6.81	6.78	1456	6.73	6.71	1300	6.35*	6.33
1377	1611	7.10	7.07	1626	6.83	6.81	1454	6.76	6.73	1255	6.40	6.40
1396	1610	7.14	7.10	1624	6.87	6.85	1453	6.79	6.76	1240	6.42	6.41
1410	1609	7.13	7.13	1623	6.87	6.84	1452	6.79	6.76	1235	6.44	6.41*
1425	1609	7.17	7.12	1622	6.88	6.86	1451	6.80	6.79	1220	6.44	6.44*
1452	1608	7.20	7.21*	1621	6.95	6.96*	1450	6.88	6.89*	1215	6.47	6.45*
1481	1608	7.21	7.22	1619	6.96	6.96	1450	6.89	6.89	1200	6.48*	6.46
1510	1608	7.22*	7.22	1618	6.97*	6.97	1449	6.90*	6.90	1155	6.51*	6.51
1533	1607	7.25	7.23	1617	6.99	6.98	1448	6.92	6.91	1140	6.51	6.51
1555	1607	7.26*	7.26	1616	7.01*	7.00	1446	6.94*	6.93	1135	6.51*	6.52

TABLE 49.- SUMMARY OF NEAR-SYNOPTIC OBSERVATIONS OF WATER-SURFACE ELEVATIONS(1), IN METERS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

	DATE											
	6-27			6-28			6-29			9-15(2)		
		BANK			BANK			BANK			BANK	
SECTION	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT	TIME	LEFT	RIGHT
1573	1606	7.27*	7.27	1615	7.01*	7.01	1445	6.94	6.94	1130	6.52*	6.52
1594	1606	7.30*	7.30	1614	7.03*	7.03	1444	6.97*	6.96	1125	6.54*	6.55
1610	1606	7.35	7.30	1613	7.06	7.04	1443	6.98	6.97	1110	6.57	6.56
1640	1605	7.38	7.33	1612	7.07	7.05*	1442	7.00	6.98*	1105	6.57	6.56*
1662	1605	7.37	7.36*	1610	7.08	7.07*	1442	7.00	6.99*	1050	6.58	6.57*
1678	1604	7.37	7.37*	1609	7.08	7.08*	1441	7.01	7.01*	1045	6.58*	6.58*
1695	1604	7.39	7.40	1608	7.10	7.10	1440	7.02	7.03	1035	6.59*	6.58
1714	1603	7.39	7.42	1607	7.11	7.13	1438	7.03	7.04	1030	6.58*	6.59
1730	1603	7.40	7.42	1606	7.11	7.12	1437	7.04	7.04	1020	6.59	6.59
1750	1602	7.41	7.42	1605	7.11*	7.13	1436	7.04*	7.05	1015	6.58*	6.59
1766	1602	7.43	7.44*	1604	7.13	7.14*	1435	7.05	7.06*	1000	6.60	6.60*
1784	1602	7.44	7.46	1603	7.14	7.15	1434	7.06	7.06	0955	6.60*	6.61
1800	1601	7.46	7.47	1602	7.15	7.16	1433	7.07	7.07	0950	6.60*	6.60
1815	1601	7.47	7.47	1601	7.16	7.17	1432	7.08	7.10	0945	6.60*	6.61
1830	1600	7.48*	7.47	1600	7.18*	7.17	1431	7.10*	7.09	0930	6.62*	6.61

(1) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(2) SECTIONS 1830 THRU 0708 MEASURED ON 9-15 AND SECTIONS 0653 THRU 0000 MEASURED ON 9-16.
* WATER SURFACE ELEVATION ESTIMATED.

TABLE 50.- WATER-SURFACE SLOPE OVER 1830-METER REACH ENDING AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980

DATE	SECTION 1830 TIME	SECTION 0000 TIME	WATER LEVEL(1) (M)	DISCHARGE (M^3/S)	NUMBER OF DATA POINTS	CORRELATION COEFFICIENT	SECTION 0000 INTERCEPT(1) (M)	STD. ERROR (M)	SLOPE(2) (M/M)	LENGTH OF SURVEY (HR)
5-12	1445	1645	5.640	5.67	84	0.990	5.616	0.010	0.00081	2.00
5-13	1000	1530	5.565	4.51	84	.990	5.548	.010	.00082	5.50
5-14	1030	1730	5.510	3.74	84	.990	5.491	.010	.00083	7.00
5-16	0930	1515	5.420	2.61	84	.993	5.417	.008	.00082	5.75
5-19	0930	1530	5.470	3.22	84	.990	5.480	.010	.00082	6.00
5-20	1130	1445	5.540	4.15	84	.990	5.548	.010	.00080	3.25
5-21	1245	1445	5.790	8.31	84	.993	5.795	.008	.00080	2.00
5-21	0945	1530	5.790	8.31	84	.993	5.786	.008	.00081	5.75
5-22	1400	1245	6.165	16.7	84	.995	6.197	.006	.00075	1.25
5-23	1300	1345	6.485	25.8	84	.995	6.573	.006	.00069	.75
5-24	1200	1000	6.500	26.2	84	.994	6.580	.007	.00069	2.00
5-26	1530	1315	5.840	9.28	84	.995	5.839	.007	.00079	2.25
5-27	1000	1615	5.640	5.67	84	.993	5.636	.008	.00083	6.25
5-28	1000	1600	5.580	4.74	84	.994	5.582	.008	.00083	6.00
5-29	1045	1300	5.555	4.37	84	.993	5.574	.008	.00080	2.25
5-30	0945	1400	5.475	3.28	84	.993	5.494	.008	.00081	4.25
6-01	1000	1400	5.470	3.22	84	.994	5.493	.008	.00079	4.00
6-03	0930	1645	5.475	3.28	84	.994	5.496	.008	.00080	7.25
6-04	0930	1215	5.465	3.15	84	.993	5.490	.008	.00079	2.75
6-05	0730	1445	5.515	3.81	84	.994	5.538	.007	.00078	7.25
6-06	0930	1100	5.595	4.96	84	.994	5.613	.007	.00079	1.50
6-07	0915	1630	5.565	4.51	84	.995	5.583	.007	.00082	7.25
6-08	0945	1115	5.725	7.11	84	.996	5.748	.006	.00079	1.50
6-09	1030	1130	6.035	13.5	84	.997	6.058	.005	.00079	1.00
6-10	1115	1215	6.265	19.3	84	.998	6.311	.004	.00075	1.00
6-11	1130	0930	6.410	23.5	84	.995	6.499	.006	.00073	2.00
6-12	1115	1230	6.635	30.6	84	.987	6.752	.009	.00066	1.25
6-13	1000	1115	6.565	28.3	84	.992	6.644	.008	.00068	1.25
6-14	0930	0830	6.410	23.5	84	.996	6.475	.006	.00073	1.00
6-16	1300	1500	5.890	10.3	84	.995	5.900	.007	.00080	1.50
6-17	1315	1400	5.985	12.4	84	.996	6.000	.006	.00079	.75
6-18	1200	1300	6.240	18.7	84	.997	6.291	.005	.00075	1.00
6-19	0830	1545	6.175	17.0	84	.997	6.227	.005	.00076	7.25
6-20	0915	1700	6.480	25.6	84	.990	6.576	.007	.00062	7.75
6-20	1830	1945	6.445	24.5	84	.996	6.530	.006	.00070	1.25
6-21	0900	1630	6.340	21.4	84	.997	6.417	.005	.00071	7.30
6-23	0900	1600	6.250	18.9	84	.997	6.310	.005	.00071	7.00
6-24	1445	1545	6.140	16.1	84	.997	6.170	.005	.00077	1.00
6-25	1700	1800	6.045	13.7	84	.996	6.077	.006	.00078	1.00
6-26	1000	0900	6.015	13.0	84	.996	6.055	.006	.00080	1.00
6-27	1600	1645	6.010	12.9	84	.996	6.034	.006	.00078	.75
6-28	1600	1730	5.715	6.93	84	.994	5.729	.008	.00080	1.50
6-29	1430	1530	5.650	5.83	84	.993	5.659	.008	.00079	1.00
9-15	0930	1230*	5.205	.66	84	.984	5.234	.012	.00080	--

(1) ADD 2150 METERS TO OBTAIN-WATER SURFACE ELEVATION ABOVE NGVD.
(2) STANDARD ERROR FOR ALL SURVEYS IS 0.00001 M/M.
* SLOPE SURVEY CONDUCTED OVER 27-HOUR SPAN ENDING AT 1230 ON 9-16; WATER LEVEL WAS CONSTANT DURING THE PERIOD OF SURVEY.

TABLE 51.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0043, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3),(4) 3	5	10	15	20
5-12	5.67	0.00112	0.00086	--	--	--
5-13	4.51	.00102	.00086	--	--	--
5-14	3.74	.00086	.00078	--	--	--
5-16	2.61	.00091	.00091	--	--	--
5-19	3.22	.00069	.00085	--	--	--
5-20	4.15	.00113	.00102	--	--	--
5-21	8.31	.00137	.00110	--	--	--
5-21	8.31	.00140	.00103	--	--	--
5-22	16.7	.00155	.00134	--	--	--
5-23	25.8	.00183	.00159	--	--	--
5-24	26.2	.00164	.00144	--	--	--
5-26	9.28	.00102	.00084	--	--	--
5-27	5.67	.00074	.00068	--	--	--
5-28	4.74	.00075	.00079	--	--	--
5-29	4.37	.00082	.00087	--	--	--
5-30	3.28	.00062	.00080	--	--	--
6-01	3.22	.00074	.00084	--	--	--
6-03	3.28	.00073	.00078	--	--	--
6-04	3.15	.00077	.00081	--	--	--
6-05	3.81	.00075	.00083	--	--	--
6-06	4.96	.00093	.00092	--	--	--
6-07	4.51	.00100	.00086	--	--	--
6-08	7.11	.00142	.00111	--	--	--
6-09	13.5	.00164	.00133	--	--	--
6-10	19.3	.00165	.00139	--	--	--
6-11	23.5	.00186	.00157	--	--	--
6-12	30.6	.00196	.00170	--	--	--
6-13	28.3	.00158	.00136	--	--	--
6-14	23.5	.00136	.00123	--	--	--
6-16	10.3	.00105	.00089	--	--	--
6-17	12.4	.00119	.00098	--	--	--
6-18	18.7	.00152	.00126	--	--	--
6-19	17.0	.00155	.00128	--	--	--
6-20	25.6	.00145	.00133	--	--	--
6-20	24.5	.00173	.00138	--	--	--
6-21	21.4	.00154	.00126	--	--	--
6-23	18.9	.00174	.00126	--	--	--
6-24	16.1	.00137	.00122	--	--	--
6-25	13.7	.00130	.00111	--	--	--
6-26	13.0	.00157	.00128	--	--	--
6-27	12.9	.00136	.00121	--	--	--
6-28	6.93	.00082	.00085	--	--	--
6-29	5.83	.00081	.00088	--	--	--
9-15	.66	.00049	.00078	--	--	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.
(4) INSUFFICIENT OBSERVATIONS OF WATER LEVELS DOWNSTREAM OF THIS SECTION PROHIBIT COMPUTATIONS OF SLOPE FOR REACH LENGTHS OF 10, 15, AND 20.

TABLE 52.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0075, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3),(4) 3	5	10	15	20
5-12	5.67	0.00039	0.00063	--	--	--
5-13	4.51	.00041	.00064	--	--	--
5-14	3.74	.00026	.00055	--	--	--
5-16	2.61	.00042	.00060	--	--	--
5-19	3.22	.00035	.00067	--	--	--
5-20	4.15	.00049	.00076	--	--	--
5-21	8.31	.00093	.00100	--	--	--
5-21	8.31	.00090	.00100	--	--	--
5-22	16.7	.00108	.00103	--	--	--
5-23	25.8	.00162	.00133	--	--	--
5-24	26.2	.00133	.00117	--	--	--
5-26	9.28	.00065	.00082	--	--	--
5-27	5.67	.00031	.00064	--	--	--
5-28	4.74	.00050	.00073	--	--	--
5-29	4.37	.00044	.00068	--	--	--
5-30	3.28	.00031	.00057	--	--	--
6-01	3.22	.00032	.00058	--	--	--
6-03	3.28	.00023	.00060	--	--	--
6-04	3.15	.00020	.00057	--	--	--
6-05	3.81	.00030	.00059	--	--	--
6-06	4.96	.00038	.00069	--	--	--
6-07	4.51	.00028	.00069	--	--	--
6-08	7.11	.00081	.00100	--	--	--
6-09	13.5	.00124	.00118	--	--	--
6-10	19.3	.00137	.00120	--	--	--
6-11	23.5	.00164	.00129	--	--	--
6-12	30.6	.00142	.00152	--	--	--
6-13	28.3	.00133	.00115	--	--	--
6-14	23.5	.00129	.00100	--	--	--
6-16	10.3	.00076	.00083	--	--	--
6-17	12.4	.00091	.00089	--	--	--
6-18	18.7	.00100	.00101	--	--	--
6-19	17.0	.00107	.00108	--	--	--
6-20	25.6	.00130	.00112	--	--	--
6-20	24.5	.00172	.00126	--	--	--
6-21	21.4	.00113	.00107	--	--	--
6-23	18.9	.00105	.00115	--	--	--
6-24	16.1	.00118	.00107	--	--	--
6-25	13.7	.00103	.00104	--	--	--
6-26	13.0	.00120	.00119	--	--	--
6-27	12.9	.00113	.00115	--	--	--
6-28	6.93	.00072	.00090	--	--	--
6-29	5.83	.00075	.00089	--	--	--
9-15	.66	.00030	.00070	--	--	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.
(4) INSUFFICIENT OBSERVATIONS OF WATER LEVELS DOWNSTREAM OF THIS SECTION PROHIBIT COMPUTATIONS OF SLOPE FOR REACH LENGTHS OF 10, 15, AND 20.

TABLE 53.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0137, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3),(4)				
		3	5	10	15	20
5-12	5.67	0.00131	0.00131	0.00089	0.00091	—
5-13	4.51	.00101	.00129	.00088	.00088	—
5-14	3.74	.00108	.00134	.00087	.00085	—
5-16	2.61	.00117	.00130	.00090	.00090	—
5-19	3.22	.00074	.00131	.00097	.00093	—
5-20	4.15	.00086	.00132	.00090	.00093	—
5-21	8.31	.00081	.00114	.00089	.00091	—
5-21	8.31	.00079	.00121	.00092	.00093	—
5-22	16.7	.00052	.00069	.00066	.00079	—
5-23	25.8	.00099	.00069	.00073	.00085	—
5-24	26.2	.00079	.00069	.00069	.00082	—
5-26	9.28	.00092	.00128	.00092	.00088	—
5-27	5.67	.00120	.00150	.00099	.00091	—
5-28	4.74	.00095	.00139	.00100	.00093	—
5-29	4.37	.00085	.00134	.00093	.00091	—
5-30	3.28	.00108	.00132	.00091	.00090	—
6-01	3.22	.00091	.00127	.00087	.00087	—
6-03	3.28	.00092	.00136	.00091	.00090	—
6-04	3.15	.00088	.00134	.00089	.00090	—
6-05	3.81	.00099	.00135	.00090	.00089	—
6-06	4.96	.00091	.00140	.00094	.00094	—
6-07	4.51	.00091	.00145	.00098	.00098	—
6-08	7.11	.00078	.00131	.00098	.00100	—
6-09	13.5	.00051	.00090	.00083	.00091	—
6-10	19.3	.00071	.00084	.00080	.00090	—
6-11	23.5	.00117	.00090	.00085	.00095	—
6-12	30.6	.00131	.00115	.00100	.00108	—
6-13	28.3	.00112	.00082	.00078	.00086	—
6-14	23.5	.00097	.00084	.00077	.00083	—
6-16	10.3	.00116	.00132	.00094	.00089	—
6-17	12.4	.00103	.00121	.00090	.00088	—
6-18	18.7	.00077	.00087	.00073	.00081	—
6-19	17.0	.00087	.00105	.00081	.00089	—
6-20	25.6	.00096	.00080	.00072	.00081	—
6-20	24.5	.00113	.00080	.00083	.00087	—
6-21	21.4	.00104	.00105	.00083	.00089	—
6-23	18.9	.00091	.00102	.00083	.00092	—
6-24	16.1	.00104	.00109	.00091	.00094	—
6-25	13.7	.00098	.00125	.00096	.00095	—
6-26	13.0	.00097	.00115	.00095	.00097	—
6-27	12.9	.00082	.00114	.00095	.00096	—
6-28	6.93	.00111	.00149	.00110	.00100	—
6-29	5.83	.00118	.00141	.00109	.00100	—
9-15	.66	.00107	.00126	.00092	.00089	—

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.
(4) INSUFFICIENT OBSERVATIONS OF WATER LEVELS DOWNSTREAM OF THIS SECTION PROHIBIT COMPUTATIONS OF SLOPE FOR REACH LENGTH OF 20 METERS.

TABLE 54.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0178, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00088	0.00094	0.00100	0.00081	0.00080
5-13	4.51	.00094	.00094	.00095	.00079	.00078
5-14	3.74	.00094	.00093	.00093	.00077	.00077
5-16	2.61	.00092	.00101	.00095	.00080	.00081
5-19	3.22	.00121	.00106	.00098	.00087	.00087
5-20	4.15	.00095	.00094	.00093	.00083	.00087
5-21	8.31	.00062	.00077	.00082	.00086	.00090
5-21	8.31	.00075	.00089	.00090	.00090	.00092
5-22	16.7	.00061	.00070	.00062	.00074	.00082
5-23	25.8	.00007	.00021	.00048	.00070	.00083
5-24	26.2	.00023	.00036	.00054	.00071	.00082
5-26	9.28	.00077	.00081	.00087	.00083	.00082
5-27	5.67	.00081	.00084	.00096	.00084	.00080
5-28	4.74	.00104	.00094	.00095	.00083	.00080
5-29	4.37	.00102	.00093	.00094	.00083	.00081
5-30	3.28	.00092	.00096	.00096	.00081	.00081
6-01	3.22	.00100	.00095	.00092	.00079	.00081
6-03	3.28	.00100	.00097	.00096	.00084	.00086
6-04	3.15	.00107	.00094	.00097	.00084	.00086
6-05	3.81	.00098	.00096	.00096	.00086	.00087
6-06	4.96	.00095	.00103	.00099	.00091	.00093
6-07	4.51	.00109	.00112	.00109	.00095	.00094
6-08	7.11	.00099	.00101	.00097	.00095	.00097
6-09	13.5	.00077	.00079	.00075	.00086	.00094
6-10	19.3	.00034	.00066	.00072	.00084	.00091
6-11	23.5	.00034	.00062	.00070	.00087	.00096
6-12	30.6	.00020	.00027	.00065	.00082	.00094
6-13	28.3	.00034	.00038	.00061	.00076	.00084
6-14	23.5	.00034	.00064	.00068	.00079	.00086
6-16	10.3	.00064	.00083	.00086	.00082	.00082
6-17	12.4	.00062	.00074	.00083	.00083	.00084
6-18	18.7	.00040	.00056	.00063	.00075	.00083
6-19	17.0	.00045	.00059	.00073	.00083	.00091
6-20	25.6	.00023	.00027	.00052	.00076	.00086
6-20	24.5	.00021	.00049	.00063	.00083	.00091
6-21	21.4	.00034	.00055	.00072	.00084	.00093
6-23	18.9	.00053	.00064	.00079	.00086	.00092
6-24	16.1	.00047	.00074	.00081	.00090	.00093
6-25	13.7	.00061	.00075	.00084	.00091	.00093
6-26	13.0	.00061	.00076	.00081	.00090	.00095
6-27	12.9	.00072	.00075	.00080	.00087	.00092
6-28	6.93	.00085	.00090	.00096	.00091	.00089
6-29	5.83	.00087	.00098	.00096	.00092	.00089
9-15	.66	.00052	.00052	.00080	.00075	.00077

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 55.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0220, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00080	0.00076	0.00073	0.00076	0.00073
5-13	4.51	.00076	.00062	.00070	.00075	.00073
5-14	3.74	.00056	.00051	.00067	.00075	.00074
5-16	2.61	.00064	.00059	.00071	.00078	.00077
5-19	3.22	.00039	.00059	.00080	.00085	.00080
5-20	4.15	.00069	.00057	.00078	.00084	.00079
5-21	8.31	.00073	.00061	.00084	.00087	.00084
5-21	8.31	.00074	.00066	.00089	.00090	.00084
5-22	16.7	.00028	.00056	.00085	.00078	.00077
5-23	25.8	.00057	.00052	.00058	.00067	.00075
5-24	26.2	.00080	.00055	.00067	.00072	.00075
5-26	9.28	.00063	.00052	.00072	.00077	.00079
5-27	5.67	.00065	.00055	.00066	.00074	.00079
5-28	4.74	.00042	.00053	.00065	.00073	.00080
5-29	4.37	.00077	.00056	.00072	.00075	.00079
5-30	3.28	.00073	.00062	.00070	.00078	.00082
6-01	3.22	.00059	.00054	.00071	.00079	.00081
6-03	3.28	.00059	.00059	.00078	.00086	.00084
6-04	3.15	.00076	.00061	.00078	.00087	.00084
6-05	3.81	.00061	.00057	.00083	.00088	.00084
6-06	4.96	.00078	.00060	.00089	.00094	.00089
6-07	4.51	.00092	.00074	.00094	.00097	.00089
6-08	7.11	.00071	.00064	.00093	.00095	.00088
6-09	13.5	.00051	.00061	.00091	.00091	.00089
6-10	19.3	.00088	.00077	.00088	.00085	.00086
6-11	23.5	.00072	.00064	.00086	.00087	.00089
6-12	30.6	.00035	.00048	.00052	.00068	.00073
6-13	28.3	.00057	.00057	.00067	.00074	.00079
6-14	23.5	.00073	.00064	.00081	.00082	.00088
6-16	10.3	.00065	.00049	.00069	.00077	.00084
6-17	12.4	.00065	.00057	.00075	.00079	.00084
6-18	18.7	.00064	.00048	.00075	.00079	.00085
6-19	17.0	.00073	.00057	.00081	.00086	.00090
6-20	25.6	.00043	.00046	.00071	.00080	.00085
6-20	24.5	.00073	.00063	.00078	.00085	.00090
6-21	21.4	.00073	.00060	.00081	.00089	.00091
6-23	18.9	.00090	.00071	.00085	.00087	.00088
6-24	16.1	.00078	.00067	.00087	.00088	.00091
6-25	13.7	.00073	.00056	.00084	.00088	.00091
6-26	13.0	.00066	.00058	.00083	.00087	.00091
6-27	12.9	.00061	.00053	.00077	.00083	.00088
6-28	6.93	.00071	.00049	.00070	.00080	.00083
6-29	5.83	.00046	.00056	.00074	.00080	.00084
9-15	.66	.00061	.00057	.00048	.00065	.00074

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 56.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0257, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00057	0.00046	0.00055	0.00065	0.00075
5-13	4.51	.00044	.00047	.00054	.00067	.00076
5-14	3.74	.00046	.00048	.00055	.00069	.00078
5-16	2.61	.00056	.00044	.00059	.00073	.00080
5-19	3.22	.00072	.00069	.00069	.00074	.00078
5-20	4.15	.00067	.00073	.00071	.00074	.00076
5-21	8.31	.00098	.00106	.00087	.00081	.00077
5-21	8.31	.00106	.00103	.00087	.00081	.00078
5-22	16.7	.00155	.00125	.00087	.00082	.00076
5-23	25.8	.00095	.00106	.00084	.00074	.00070
5-24	26.2	.00101	.00105	.00086	.00077	.00077
5-26	9.28	.00064	.00075	.00064	.00074	.00084
5-27	5.67	.00063	.00049	.00050	.00070	.00087
5-28	4.74	.00039	.00043	.00049	.00074	.00090
5-29	4.37	.00045	.00056	.00054	.00074	.00089
5-30	3.28	.00045	.00045	.00059	.00080	.00096
6-01	3.22	.00047	.00056	.00064	.00080	.00093
6-03	3.28	.00060	.00072	.00073	.00081	.00092
6-04	3.15	.00046	.00070	.00075	.00082	.00092
6-05	3.81	.00078	.00086	.00076	.00081	.00088
6-06	4.96	.00087	.00090	.00083	.00086	.00088
6-07	4.51	.00074	.00084	.00082	.00084	.00089
6-08	7.11	.00098	.00103	.00087	.00084	.00083
6-09	13.5	.00136	.00129	.00100	.00092	.00084
6-10	19.3	.00124	.00121	.00096	.00089	.00082
6-11	23.5	.00128	.00129	.00099	.00090	.00085
6-12	30.6	.00083	.00089	.00071	.00057	.00065
6-13	28.3	.00088	.00107	.00084	.00077	.00080
6-14	23.5	.00122	.00113	.00092	.00093	.00091
6-16	10.3	.00078	.00064	.00063	.00081	.00090
6-17	12.4	.00092	.00087	.00072	.00083	.00089
6-18	18.7	.00120	.00111	.00088	.00091	.00090
6-19	17.0	.00119	.00119	.00094	.00094	.00092
6-20	25.6	.00163	.00136	.00099	.00089	.00084
6-20	24.5	.00134	.00121	.00103	.00093	.00089
6-21	21.4	.00141	.00121	.00100	.00094	.00092
6-23	18.9	.00109	.00113	.00091	.00089	.00089
6-24	16.1	.00132	.00114	.00090	.00091	.00090
6-25	13.7	.00108	.00111	.00087	.00089	.00090
6-26	13.0	.00126	.00104	.00087	.00089	.00090
6-27	12.9	.00095	.00095	.00081	.00086	.00085
6-28	6.93	.00054	.00057	.00061	.00072	.00081
6-29	5.83	.00065	.00063	.00062	.00074	.00083
9-15	.66	.00008	.00040	.00054	.00064	.00078

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 57.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0301, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00038	0.00043	0.00058	0.00068	0.00071
5-13	4.51	.00051	.00053	.00064	.00071	.00074
5-14	3.74	.00052	.00062	.00070	.00073	.00076
5-16	2.61	.00039	.00068	.00072	.00075	.00078
5-19	3.22	.00085	.00076	.00069	.00069	.00074
5-20	4.15	.00088	.00081	.00070	.00068	.00070
5-21	8.31	.00096	.00097	.00083	.00072	.00071
5-21	8.31	.00091	.00093	.00077	.00071	.00072
5-22	16.7	.00075	.00086	.00087	.00077	.00073
5-23	25.8	.00104	.00096	.00089	.00076	.00071
5-24	26.2	.00095	.00098	.00087	.00083	.00078
5-26	9.28	.00070	.00067	.00078	.00083	.00083
5-27	5.67	.00053	.00043	.00075	.00087	.00087
5-28	4.74	.00065	.00051	.00081	.00091	.00090
5-29	4.37	.00050	.00052	.00077	.00089	.00090
5-30	3.28	.00050	.00067	.00087	.00099	.00097
6-01	3.22	.00077	.00078	.00086	.00096	.00094
6-03	3.28	.00095	.00088	.00084	.00091	.00091
6-04	3.15	.00105	.00090	.00085	.00090	.00090
6-05	3.81	.00083	.00087	.00083	.00085	.00086
6-06	4.96	.00095	.00096	.00086	.00082	.00082
6-07	4.51	.00089	.00087	.00078	.00081	.00082
6-08	7.11	.00097	.00096	.00080	.00075	.00076
6-09	13.5	.00105	.00113	.00097	.00083	.00080
6-10	19.3	.00100	.00095	.00093	.00084	.00080
6-11	23.5	.00099	.00108	.00099	.00088	.00084
6-12	30.6	.00094	.00079	.00065	.00065	.00060
6-13	28.3	.00090	.00097	.00090	.00087	.00080
6-14	23.5	.00099	.00099	.00106	.00098	.00092
6-16	10.3	.00069	.00070	.00090	.00092	.00090
6-17	12.4	.00065	.00074	.00092	.00092	.00089
6-18	18.7	.00064	.00105	.00108	.00099	.00091
6-19	17.0	.00085	.00108	.00108	.00098	.00092
6-20	25.6	.00082	.00115	.00108	.00093	.00083
6-20	24.5	.00105	.00121	.00108	.00096	.00088
6-21	21.4	.00102	.00114	.00107	.00096	.00090
6-23	18.9	.00075	.00096	.00097	.00091	.00086
6-24	16.1	.00067	.00091	.00098	.00092	.00087
6-25	13.7	.00085	.00096	.00097	.00090	.00086
6-26	13.0	.00072	.00095	.00098	.00091	.00087
6-27	12.9	.00070	.00096	.00095	.00086	.00082
6-28	6.93	.00060	.00073	.00073	.00075	.00077
6-29	5.83	.00062	.00068	.00075	.00079	.00079
9-15	.66	.00084	.00065	.00073	.00080	.00076

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 58.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0348, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00052	0.00077	0.00074	0.00071	0.00068
5-13	4.51	.00068	.00084	.00080	.00075	.00070
5-14	3.74	.00085	.00091	.00085	.00079	.00072
5-16	2.61	.00112	.00095	.00085	.00080	.00074
5-19	3.22	.00067	.00064	.00071	.00073	.00068
5-20	4.15	.00073	.00061	.00067	.00067	.00064
5-21	8.31	.00105	.00057	.00064	.00067	.00066
5-21	8.31	.00069	.00052	.00062	.00067	.00066
5-22	16.7	.00099	.00063	.00069	.00072	.00070
5-23	25.8	.00105	.00071	.00072	.00075	.00074
5-24	26.2	.00110	.00068	.00082	.00082	.00080
5-26	9.28	.00077	.00089	.00095	.00089	.00082
5-27	5.67	.00015	.00118	.00107	.00095	.00086
5-28	4.74	.00050	.00127	.00116	.00100	.00089
5-29	4.37	.00046	.00113	.00110	.00098	.00088
5-30	3.28	.00081	.00133	.00124	.00106	.00094
6-01	3.22	.00072	.00116	.00117	.00103	.00091
6-03	3.28	.00041	.00094	.00105	.00096	.00087
6-04	3.15	.00049	.00094	.00102	.00094	.00085
6-05	3.81	.00061	.00083	.00092	.00088	.00080
6-06	4.96	.00101	.00076	.00082	.00080	.00074
6-07	4.51	.00056	.00071	.00082	.00079	.00075
6-08	7.11	.00058	.00058	.00069	.00071	.00068
6-09	13.5	.00095	.00069	.00075	.00077	.00074
6-10	19.3	.00100	.00072	.00076	.00078	.00078
6-11	23.5	.00073	.00079	.00083	.00085	.00084
6-12	30.6	.00024	.00042	.00064	.00063	.00062
6-13	28.3	.00084	.00079	.00090	.00086	.00082
6-14	23.5	.00132	.00102	.00100	.00096	.00092
6-16	10.3	.00127	.00117	.00107	.00097	.00088
6-17	12.4	.00091	.00110	.00102	.00096	.00088
6-18	18.7	.00147	.00115	.00106	.00097	.00090
6-19	17.0	.00147	.00103	.00101	.00096	.00091
6-20	25.6	.00120	.00092	.00090	.00088	.00084
6-20	24.5	.00104	.00096	.00094	.00091	.00087
6-21	21.4	.00108	.00095	.00095	.00094	.00089
6-23	18.9	.00103	.00093	.00091	.00088	.00083
6-24	16.1	.00112	.00096	.00093	.00089	.00084
6-25	13.7	.00095	.00094	.00092	.00088	.00082
6-26	13.0	.00109	.00101	.00094	.00090	.00084
6-27	12.9	.00139	.00097	.00089	.00084	.00079
6-28	6.93	.00059	.00089	.00086	.00080	.00073
6-29	5.83	.00069	.00091	.00089	.00082	.00075
9-15	.66	.00150	.00091	.00096	.00085	.00076

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 59.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0421, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00117	0.00098	0.00084	0.00071	0.00065
5-13	4.51	.00114	.00101	.00085	.00074	.00068
5-14	3.74	.00111	.00098	.00089	.00077	.00070
5-16	2.61	.00095	.00090	.00091	.00078	.00070
5-19	3.22	.00067	.00069	.00073	.00067	.00063
5-20	4.15	.00054	.00057	.00063	.00062	.00060
5-21	8.31	.00020	.00036	.00052	.00059	.00062
5-21	8.31	.00046	.00042	.00054	.00060	.00063
5-22	16.7	.00049	.00055	.00057	.00063	.00067
5-23	25.8	.00027	.00050	.00063	.00071	.00075
5-24	26.2	.00057	.00071	.00073	.00078	.00080
5-26	9.28	.00132	.00119	.00096	.00086	.00079
5-27	5.67	.00211	.00167	.00116	.00095	.00083
5-28	4.74	.00212	.00169	.00121	.00099	.00086
5-29	4.37	.00200	.00162	.00118	.00097	.00084
5-30	3.28	.00216	.00168	.00127	.00103	.00089
6-01	3.22	.00198	.00152	.00117	.00099	.00086
6-03	3.28	.00173	.00131	.00104	.00091	.00081
6-04	3.15	.00150	.00122	.00100	.00089	.00079
6-05	3.81	.00127	.00105	.00090	.00081	.00074
6-06	4.96	.00064	.00071	.00073	.00071	.00068
6-07	4.51	.00100	.00088	.00077	.00072	.00068
6-08	7.11	.00063	.00057	.00060	.00062	.00062
6-09	13.5	.00050	.00047	.00058	.00066	.00069
6-10	19.3	.00054	.00060	.00064	.00071	.00074
6-11	23.5	.00077	.00071	.00072	.00079	.00082
6-12	30.6	.00077	.00067	.00055	.00060	.00060
6-13	28.3	.00097	.00091	.00080	.00081	.00080
6-14	23.5	.00073	.00096	.00089	.00091	.00088
6-16	10.3	.00124	.00126	.00106	.00094	.00084
6-17	12.4	.00139	.00124	.00101	.00091	.00084
6-18	18.7	.00110	.00099	.00091	.00090	.00085
6-19	17.0	.00084	.00088	.00088	.00088	.00086
6-20	25.6	.00070	.00069	.00071	.00079	.00079
6-20	24.5	.00083	.00076	.00078	.00082	.00082
6-21	21.4	.00078	.00081	.00083	.00085	.00084
6-23	18.9	.00098	.00087	.00081	.00080	.00076
6-24	16.1	.00095	.00091	.00082	.00080	.00077
6-25	13.7	.00104	.00091	.00080	.00079	.00075
6-26	13.0	.00102	.00091	.00085	.00081	.00078
6-27	12.9	.00075	.00075	.00078	.00078	.00076
6-28	6.93	.00123	.00100	.00087	.00077	.00070
6-29	5.83	.00126	.00108	.00089	.00078	.00071
9-15	.66	.00071	.00108	.00094	.00081	.00072

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 60.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0460, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00066	0.00073	0.00075	0.00069	0.00061
5-13	4.51	.00065	.00069	.00074	.00069	.00063
5-14	3.74	.00068	.00076	.00074	.00070	.00064
5-16	2.61	.00096	.00080	.00072	.00070	.00064
5-19	3.22	.00106	.00086	.00063	.00058	.00057
5-20	4.15	.00070	.00067	.00054	.00054	.00055
5-21	8.31	.00068	.00060	.00048	.00052	.00056
5-21	8.31	.00069	.00065	.00054	.00055	.00057
5-22	16.7	.00059	.00049	.00056	.00058	.00061
5-23	25.8	.00074	.00073	.00065	.00068	.00069
5-24	26.2	.00076	.00077	.00071	.00074	.00073
5-26	9.28	.00067	.00078	.00086	.00077	.00070
5-27	5.67	.00061	.00065	.00102	.00087	.00076
5-28	4.74	.00045	.00063	.00101	.00090	.00078
5-29	4.37	.00070	.00077	.00101	.00087	.00076
5-30	3.28	.00045	.00069	.00099	.00091	.00079
6-01	3.22	.00050	.00073	.00093	.00085	.00076
6-03	3.28	.00063	.00078	.00087	.00077	.00071
6-04	3.15	.00079	.00078	.00083	.00074	.00070
6-05	3.81	.00085	.00077	.00075	.00067	.00064
6-06	4.96	.00075	.00067	.00059	.00058	.00059
6-07	4.51	.00062	.00068	.00066	.00062	.00062
6-08	7.11	.00073	.00061	.00054	.00052	.00056
6-09	13.5	.00068	.00051	.00051	.00056	.00061
6-10	19.3	.00071	.00056	.00063	.00065	.00068
6-11	23.5	.00084	.00063	.00074	.00075	.00076
6-12	30.6	.00050	.00054	.00059	.00055	.00060
6-13	28.3	.00073	.00066	.00074	.00074	.00073
6-14	23.5	.00089	.00070	.00083	.00080	.00077
6-16	10.3	.00074	.00073	.00088	.00082	.00074
6-17	12.4	.00079	.00068	.00088	.00080	.00073
6-18	18.7	.00065	.00051	.00075	.00075	.00074
6-19	17.0	.00071	.00066	.00075	.00076	.00074
6-20	25.6	.00057	.00046	.00065	.00067	.00067
6-20	24.5	.00071	.00056	.00068	.00070	.00072
6-21	21.4	.00082	.00069	.00073	.00073	.00073
6-23	18.9	.00076	.00059	.00069	.00067	.00065
6-24	16.1	.00069	.00056	.00069	.00068	.00067
6-25	13.7	.00062	.00052	.00068	.00066	.00065
6-26	13.0	.00068	.00056	.00070	.00069	.00068
6-27	12.9	.00061	.00055	.00065	.00068	.00067
6-28	6.93	.00077	.00067	.00073	.00069	.00065
6-29	5.83	.00065	.00065	.00074	.00069	.00064
9-15	.66	.00072	.00085	.00071	.00070	.00066

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 61.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0516, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00032	0.00040	0.00048	0.00056	0.00058
5-13	4.51	.00027	.00037	.00046	.00055	.00058
5-14	3.74	.00030	.00039	.00045	.00055	.00059
5-16	2.61	.00000	.00033	.00045	.00053	.00059
5-19	3.22	-.00011	.00033	.00045	.00049	.00054
5-20	4.15	.00032	.00039	.00047	.00047	.00051
5-21	8.31	.00047	.00057	.00056	.00049	.00052
5-21	8.31	.00047	.00062	.00059	.00052	.00054
5-22	16.7	.00030	.00065	.00058	.00056	.00059
5-23	25.8	.00086	.00084	.00077	.00065	.00066
5-24	26.2	.00050	.00068	.00078	.00067	.00068
5-26	9.28	.00032	.00046	.00050	.00060	.00062
5-27	5.67	.00023	.00033	.00040	.00067	.00067
5-28	4.74	.00022	.00033	.00039	.00066	.00068
5-29	4.37	.00006	.00027	.00039	.00064	.00066
5-30	3.28	.00006	.00022	.00034	.00062	.00068
6-01	3.22	-.00001	.00026	.00036	.00059	.00064
6-03	3.28	-.00002	.00028	.00040	.00057	.00062
6-04	3.15	-.00009	.00027	.00039	.00055	.00061
6-05	3.81	-.00016	.00026	.00038	.00052	.00058
6-06	4.96	.00015	.00034	.00040	.00046	.00054
6-07	4.51	.00018	.00030	.00042	.00052	.00058
6-08	7.11	.00019	.00040	.00044	.00048	.00054
6-09	13.5	.00032	.00057	.00052	.00051	.00059
6-10	19.3	.00058	.00073	.00065	.00062	.00066
6-11	23.5	.00070	.00081	.00075	.00072	.00073
6-12	30.6	.00041	.00046	.00054	.00060	.00062
6-13	28.3	.00038	.00052	.00064	.00065	.00067
6-14	23.5	.00071	.00068	.00065	.00065	.00069
6-16	10.3	.00020	.00045	.00047	.00059	.00065
6-17	12.4	.00031	.00045	.00047	.00060	.00065
6-18	18.7	.00033	.00057	.00047	.00057	.00065
6-19	17.0	.00061	.00061	.00057	.00059	.00066
6-20	25.6	.00070	.00072	.00055	.00053	.00059
6-20	24.5	.00047	.00064	.00057	.00059	.00066
6-21	21.4	.00039	.00064	.00059	.00060	.00065
6-23	18.9	.00024	.00048	.00044	.00052	.00060
6-24	16.1	.00027	.00044	.00045	.00054	.00060
6-25	13.7	.00032	.00046	.00041	.00052	.00058
6-26	13.0	.00033	.00047	.00045	.00054	.00061
6-27	12.9	.00048	.00058	.00053	.00055	.00061
6-28	6.93	.00004	.00035	.00044	.00056	.00059
6-29	5.83	.00019	.00029	.00039	.00053	.00056
9-15	.66	-.00001	.00006	.00042	.00053	.00057

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 62.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0556, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00024	0.00030	0.00032	0.00043	0.00053
5-13	4.51	.00023	.00029	.00031	.00042	.00053
5-14	3.74	.00008	.00019	.00031	.00041	.00053
5-16	2.61	.00011	.00022	.00027	.00042	.00053
5-19	3.22	.00009	.00017	.00031	.00046	.00053
5-20	4.15	.00016	.00034	.00037	.00047	.00051
5-21	8.31	.00043	.00054	.00051	.00055	.00053
5-21	8.31	.00042	.00054	.00051	.00056	.00057
5-22	16.7	.00065	.00073	.00057	.00060	.00061
5-23	25.8	.00098	.00074	.00067	.00069	.00067
5-24	26.2	.00108	.00088	.00060	.00065	.00066
5-26	9.28	.00028	.00023	.00027	.00040	.00054
5-27	5.67	.00016	.00018	.00023	.00034	.00056
5-28	4.74	.00026	.00018	.00023	.00033	.00057
5-29	4.37	.00014	.00008	.00018	.00033	.00057
5-30	3.28	.00015	.00010	.00016	.00030	.00057
6-01	3.22	.00008	.00011	.00017	.00031	.00057
6-03	3.28	.00024	.00013	.00020	.00037	.00058
6-04	3.15	.00015	.00013	.00020	.00038	.00058
6-05	3.81	.00016	.00011	.00021	.00040	.00056
6-06	4.96	.00015	.00016	.00028	.00045	.00054
6-07	4.51	.00028	.00024	.00033	.00049	.00060
6-08	7.11	.00026	.00034	.00041	.00052	.00058
6-09	13.5	.00047	.00057	.00053	.00061	.00062
6-10	19.3	.00059	.00074	.00063	.00068	.00068
6-11	23.5	.00092	.00084	.00070	.00073	.00074
6-12	30.6	.00047	.00062	.00060	.00067	.00066
6-13	28.3	.00081	.00071	.00051	.00059	.00065
6-14	23.5	.00053	.00053	.00043	.00055	.00063
6-16	10.3	.00034	.00024	.00025	.00039	.00053
6-17	12.4	.00026	.00026	.00027	.00041	.00057
6-18	18.7	.00043	.00040	.00037	.00046	.00059
6-19	17.0	.00035	.00042	.00042	.00052	.00061
6-20	25.6	.00052	.00050	.00043	.00050	.00055
6-20	24.5	.00063	.00055	.00051	.00058	.00063
6-21	21.4	.00058	.00046	.00045	.00055	.00061
6-23	18.9	.00034	.00026	.00032	.00047	.00056
6-24	16.1	.00040	.00035	.00035	.00046	.00055
6-25	13.7	.00022	.00029	.00034	.00044	.00054
6-26	13.0	.00034	.00033	.00036	.00047	.00056
6-27	12.9	.00045	.00048	.00044	.00051	.00056
6-28	6.93	.00041	.00032	.00032	.00041	.00053
6-29	5.83	.00016	.00019	.00025	.00036	.00050
9-15	.66	.00011	.00022	.00023	.00037	.00048

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 63.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0602, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M³/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00034	0.00030	0.00038	0.00043	0.00048
5-13	4.51	.00030	.00031	.00039	.00043	.00050
5-14	3.74	.00040	.00035	.00037	.00044	.00051
5-16	2.61	.00049	.00029	.00039	.00044	.00055
5-19	3.22	.00060	.00043	.00045	.00048	.00057
5-20	4.15	.00048	.00044	.00046	.00050	.00055
5-21	8.31	.00052	.00048	.00054	.00057	.00057
5-21	8.31	.00053	.00043	.00054	.00060	.00059
5-22	16.7	.00058	.00045	.00065	.00065	.00062
5-23	25.8	.00040	.00042	.00062	.00069	.00067
5-24	26.2	.00013	.00035	.00060	.00063	.00062
5-26	9.28	.00008	.00014	.00031	.00038	.00046
5-27	5.67	.00017	.00019	.00029	.00034	.00043
5-28	4.74	.00011	.00018	.00028	.00036	.00046
5-29	4.37	.00016	.00017	.00027	.00036	.00046
5-30	3.28	.00015	.00015	.00025	.00038	.00048
6-01	3.22	.00013	.00016	.00027	.00041	.00049
6-03	3.28	.00005	.00018	.00035	.00046	.00054
6-04	3.15	.00011	.00021	.00036	.00046	.00054
6-05	3.81	.00020	.00028	.00042	.00049	.00054
6-06	4.96	.00027	.00035	.00047	.00053	.00056
6-07	4.51	.00034	.00042	.00053	.00058	.00061
6-08	7.11	.00050	.00051	.00059	.00061	.00060
6-09	13.5	.00053	.00052	.00069	.00070	.00066
6-10	19.3	.00049	.00053	.00073	.00072	.00069
6-11	23.5	.00040	.00050	.00074	.00075	.00071
6-12	30.6	.00066	.00075	.00080	.00069	.00065
6-13	28.3	.00018	.00039	.00059	.00060	.00058
6-14	23.5	.00013	.00015	.00048	.00053	.00055
6-16	10.3	-.00001	.00009	.00031	.00036	.00043
6-17	12.4	.00013	.00014	.00036	.00043	.00047
6-18	18.7	.00013	.00020	.00047	.00054	.00054
6-19	17.0	.00024	.00028	.00049	.00056	.00056
6-20	25.6	.00008	.00014	.00047	.00053	.00050
6-20	24.5	.00034	.00036	.00059	.00062	.00060
6-21	21.4	.00019	.00027	.00053	.00057	.00057
6-23	18.9	.00018	.00023	.00049	.00052	.00052
6-24	16.1	.00019	.00029	.00047	.00049	.00051
6-25	13.7	.00027	.00030	.00045	.00049	.00050
6-26	13.0	.00021	.00031	.00049	.00051	.00051
6-27	12.9	.00027	.00031	.00051	.00053	.00054
6-28	6.93	.00033	.00033	.00039	.00042	.00046
6-29	5.83	.00023	.00028	.00033	.00039	.00044
9-15	.66	.00047	.00041	.00033	.00034	.00054

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 64.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0653, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00047	0.00050	0.00049	0.00049	0.00060
5-13	4.51	.00026	.00057	.00052	.00053	.00064
5-14	3.74	.00019	.00055	.00055	.00055	.00066
5-16	2.61	.00010	.00059	.00057	.00061	.00072
5-19	3.22	.00030	.00067	.00064	.00063	.00072
5-20	4.15	.00029	.00062	.00061	.00060	.00070
5-21	8.31	.00057	.00060	.00060	.00058	.00064
5-21	8.31	.00059	.00061	.00065	.00059	.00065
5-22	16.7	.00067	.00071	.00068	.00066	.00067
5-23	25.8	.00061	.00067	.00066	.00063	.00064
5-24	26.2	.00078	.00060	.00058	.00058	.00060
5-26	9.28	.00057	.00052	.00044	.00046	.00056
5-27	5.67	.00032	.00047	.00043	.00046	.00058
5-28	4.74	.00029	.00046	.00045	.00051	.00061
5-29	4.37	.00041	.00050	.00049	.00051	.00060
5-30	3.28	.00007	.00048	.00056	.00057	.00063
6-01	3.22	.00019	.00052	.00059	.00057	.00061
6-03	3.28	.00035	.00071	.00066	.00062	.00065
6-04	3.15	.00041	.00070	.00067	.00062	.00065
6-05	3.81	.00058	.00080	.00070	.00062	.00065
6-06	4.96	.00075	.00084	.00071	.00063	.00065
6-07	4.51	.00077	.00088	.00078	.00069	.00070
6-08	7.11	.00090	.00086	.00077	.00066	.00067
6-09	13.5	.00103	.00090	.00081	.00072	.00072
6-10	19.3	.00103	.00089	.00075	.00072	.00072
6-11	23.5	.00104	.00083	.00073	.00071	.00070
6-12	30.6	.00128	.00099	.00077	.00069	.00066
6-13	28.3	.00080	.00068	.00064	.00057	.00059
6-14	23.5	.00083	.00068	.00054	.00051	.00057
6-16	10.3	.00067	.00054	.00040	.00042	.00055
6-17	12.4	.00082	.00059	.00051	.00049	.00056
6-18	18.7	.00089	.00071	.00062	.00058	.00060
6-19	17.0	.00080	.00070	.00063	.00057	.00060
6-20	25.6	.00077	.00069	.00052	.00049	.00056
6-20	24.5	.00092	.00079	.00066	.00062	.00063
6-21	21.4	.00093	.00077	.00061	.00056	.00060
6-23	18.9	.00100	.00085	.00063	.00056	.00057
6-24	16.1	.00085	.00069	.00057	.00054	.00058
6-25	13.7	.00083	.00069	.00058	.00054	.00058
6-26	13.0	.00088	.00075	.00060	.00054	.00059
6-27	12.9	.00081	.00067	.00057	.00055	.00059
6-28	6.93	.00039	.00051	.00049	.00048	.00057
6-29	5.83	.00037	.00051	.00050	.00047	.00055
9-15	.66	.00010	.00039	.00045	.00062	.00076

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 65.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0708, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00096	0.00065	0.00060	0.00073	0.00080
5-13	4.51	.00116	.00074	.00067	.00079	.00085
5-14	3.74	.00126	.00080	.00071	.00084	.00089
5-16	2.61	.00139	.00088	.00081	.00093	.00097
5-19	3.22	.00124	.00088	.00080	.00091	.00096
5-20	4.15	.00123	.00083	.00073	.00086	.00092
5-21	8.31	.00091	.00072	.00061	.00070	.00076
5-21	8.31	.00088	.00087	.00063	.00071	.00076
5-22	16.7	.00077	.00090	.00067	.00069	.00070
5-23	25.8	.00110	.00087	.00063	.00059	.00065
5-24	26.2	.00074	.00076	.00056	.00057	.00064
5-26	9.28	.00062	.00069	.00060	.00068	.00073
5-27	5.67	.00080	.00066	.00063	.00075	.00082
5-28	4.74	.00095	.00074	.00071	.00078	.00085
5-29	4.37	.00088	.00081	.00073	.00079	.00082
5-30	3.28	.00142	.00108	.00084	.00084	.00085
6-01	3.22	.00160	.00110	.00083	.00080	.00083
6-03	3.28	.00167	.00114	.00087	.00083	.00086
6-04	3.15	.00168	.00113	.00087	.00084	.00087
6-05	3.81	.00149	.00106	.00084	.00083	.00085
6-06	4.96	.00120	.00100	.00081	.00080	.00083
6-07	4.51	.00140	.00107	.00087	.00085	.00089
6-08	7.11	.00115	.00094	.00076	.00078	.00080
6-09	13.5	.00096	.00099	.00077	.00078	.00077
6-10	19.3	.00101	.00083	.00074	.00073	.00073
6-11	23.5	.00080	.00085	.00070	.00067	.00071
6-12	30.6	.00052	.00058	.00066	.00068	.00071
6-13	28.3	.00105	.00080	.00056	.00059	.00063
6-14	23.5	.00076	.00078	.00058	.00059	.00064
6-16	10.3	.00046	.00060	.00056	.00067	.00073
6-17	12.4	.00048	.00078	.00063	.00066	.00069
6-18	18.7	.00087	.00092	.00072	.00067	.00066
6-19	17.0	.00088	.00089	.00066	.00066	.00068
6-20	25.6	.00081	.00076	.00056	.00059	.00062
6-20	24.5	.00079	.00084	.00068	.00065	.00068
6-21	21.4	.00081	.00078	.00064	.00064	.00065
6-23	18.9	.00063	.00084	.00068	.00066	.00064
6-24	16.1	.00059	.00073	.00065	.00067	.00067
6-25	13.7	.00067	.00076	.00065	.00068	.00069
6-26	13.0	.00065	.00076	.00064	.00068	.00070
6-27	12.9	.00065	.00073	.00061	.00065	.00067
6-28	6.93	.00077	.00067	.00057	.00069	.00076
6-29	5.83	.00090	.00073	.00061	.00069	.00074
9-15	.66	.00099	.00058	.00085	.00104	.00110

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 66.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0757, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00022	0.00061	0.00098	0.00103	0.00098
5-13	4.51	.00034	.00068	.00107	.00110	.00104
5-14	3.74	.00042	.00076	.00115	.00116	.00109
5-16	2.61	.00061	.00092	.00131	.00126	.00115
5-19	3.22	.00049	.00085	.00120	.00122	.00114
5-20	4.15	.00045	.00074	.00113	.00115	.00109
5-21	8.31	.00043	.00052	.00082	.00088	.00087
5-21	8.31	.00039	.00050	.00083	.00087	.00087
5-22	16.7	.00063	.00051	.00076	.00074	.00074
5-23	25.8	.00024	.00037	.00060	.00067	.00067
5-24	26.2	.00042	.00038	.00061	.00066	.00067
5-26	9.28	.00072	.00065	.00093	.00096	.00092
5-27	5.67	.00073	.00077	.00108	.00110	.00103
5-28	4.74	.00086	.00092	.00112	.00113	.00104
5-29	4.37	.00081	.00090	.00111	.00110	.00101
5-30	3.28	.00084	.00098	.00119	.00113	.00102
6-01	3.22	.00066	.00087	.00108	.00109	.00100
6-03	3.28	.00063	.00076	.00108	.00111	.00101
6-04	3.15	.00057	.00075	.00108	.00112	.00102
6-05	3.81	.00047	.00066	.00101	.00108	.00100
6-06	4.96	.00048	.00062	.00093	.00102	.00096
6-07	4.51	.00045	.00067	.00098	.00108	.00102
6-08	7.11	.00035	.00048	.00084	.00091	.00090
6-09	13.5	.00050	.00047	.00080	.00082	.00081
6-10	19.3	.00042	.00047	.00072	.00075	.00075
6-11	23.5	.00037	.00048	.00066	.00072	.00073
6-12	30.6	.00042	.00037	.00056	.00070	.00074
6-13	28.3	.00006	.00021	.00061	.00067	.00068
6-14	23.5	.00029	.00035	.00070	.00075	.00072
6-16	10.3	.00067	.00057	.00094	.00097	.00091
6-17	12.4	.00068	.00061	.00086	.00086	.00083
6-18	18.7	.00060	.00059	.00078	.00077	.00075
6-19	17.0	.00045	.00046	.00076	.00079	.00077
6-20	25.6	.00025	.00027	.00070	.00072	.00069
6-20	24.5	.00043	.00045	.00069	.00074	.00073
6-21	21.4	.00038	.00039	.00070	.00074	.00073
6-23	18.9	.00055	.00044	.00073	.00075	.00073
6-24	16.1	.00065	.00058	.00078	.00080	.00078
6-25	13.7	.00054	.00054	.00080	.00082	.00080
6-26	13.0	.00060	.00047	.00079	.00084	.00081
6-27	12.9	.00057	.00048	.00075	.00077	.00077
6-28	6.93	.00029	.00059	.00091	.00095	.00091
6-29	5.83	.00028	.00063	.00092	.00096	.00092
9-15	.66	.00154	.00142	.00154	.00147	.00135

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 67.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0808, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00209	0.00169	0.00139	0.00125	0.00111
5-13	4.51	.00239	.00178	.00145	.00131	.00117
5-14	3.74	.00255	.00185	.00154	.00137	.00120
5-16	2.61	.00292	.00209	.00165	.00145	.00126
5-19	3.22	.00241	.00189	.00158	.00140	.00123
5-20	4.15	.00250	.00179	.00150	.00134	.00119
5-21	8.31	.00116	.00119	.00109	.00103	.00096
5-21	8.31	.00122	.00106	.00104	.00103	.00096
5-22	16.7	.00104	.00075	.00074	.00081	.00080
5-23	25.8	.00014	.00054	.00065	.00071	.00072
5-24	26.2	.00060	.00062	.00071	.00075	.00076
5-26	9.28	.00149	.00140	.00127	.00118	.00107
5-27	5.67	.00208	.00177	.00152	.00134	.00118
5-28	4.74	.00198	.00169	.00154	.00134	.00119
5-29	4.37	.00195	.00159	.00145	.00128	.00113
5-30	3.28	.00177	.00145	.00139	.00128	.00112
6-01	3.22	.00144	.00123	.00131	.00124	.00111
6-03	3.28	.00146	.00124	.00127	.00123	.00111
6-04	3.15	.00146	.00128	.00129	.00123	.00111
6-05	3.81	.00156	.00124	.00123	.00118	.00109
6-06	4.96	.00139	.00112	.00116	.00111	.00105
6-07	4.51	.00132	.00114	.00120	.00117	.00109
6-08	7.11	.00108	.00102	.00098	.00099	.00095
6-09	13.5	.00099	.00084	.00078	.00085	.00084
6-10	19.3	.00074	.00082	.00070	.00076	.00078
6-11	23.5	.00052	.00063	.00070	.00076	.00079
6-12	30.6	.00075	.00070	.00068	.00072	.00079
6-13	28.3	.00070	.00076	.00067	.00074	.00077
6-14	23.5	.00087	.00092	.00083	.00085	.00086
6-16	10.3	.00179	.00159	.00133	.00117	.00105
6-17	12.4	.00133	.00112	.00106	.00101	.00094
6-18	18.7	.00097	.00078	.00078	.00084	.00084
6-19	17.0	.00083	.00085	.00085	.00088	.00086
6-20	25.6	.00135	.00098	.00078	.00080	.00077
6-20	24.5	.00071	.00072	.00074	.00079	.00081
6-21	21.4	.00092	.00087	.00077	.00081	.00082
6-23	18.9	.00098	.00081	.00075	.00081	.00082
6-24	16.1	.00115	.00098	.00090	.00090	.00088
6-25	13.7	.00126	.00103	.00094	.00093	.00089
6-26	13.0	.00121	.00104	.00096	.00094	.00090
6-27	12.9	.00107	.00095	.00087	.00089	.00086
6-28	6.93	.00207	.00147	.00127	.00114	.00103
6-29	5.83	.00190	.00141	.00127	.00116	.00104
9-15	.66	.00305	.00260	.00213	.00177	.00147

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 68.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0853, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00233	0.00202	0.00164	0.00132	0.00117
5-13	4.51	.00216	.00199	.00167	.00136	.00122
5-14	3.74	.00227	.00207	.00171	.00139	.00123
5-16	2.61	.00203	.00199	.00172	.00142	.00126
5-19	3.22	.00252	.00209	.00171	.00139	.00124
5-20	4.15	.00218	.00202	.00165	.00135	.00122
5-21	8.31	.00199	.00171	.00130	.00110	.00102
5-21	8.31	.00191	.00165	.00126	.00108	.00102
5-22	16.7	.00046	.00096	.00086	.00083	.00084
5-23	25.8	.00143	.00121	.00081	.00075	.00075
5-24	26.2	.00090	.00124	.00088	.00084	.00083
5-26	9.28	.00219	.00188	.00149	.00128	.00116
5-27	5.67	.00245	.00215	.00170	.00142	.00124
5-28	4.74	.00250	.00207	.00164	.00139	.00124
5-29	4.37	.00217	.00190	.00151	.00130	.00114
5-30	3.28	.00204	.00176	.00139	.00123	.00113
6-01	3.22	.00242	.00184	.00139	.00120	.00111
6-03	3.28	.00233	.00183	.00137	.00118	.00110
6-04	3.15	.00242	.00188	.00138	.00118	.00110
6-05	3.81	.00224	.00182	.00137	.00116	.00108
6-06	4.96	.00213	.00175	.00130	.00112	.00105
6-07	4.51	.00229	.00184	.00137	.00116	.00109
6-08	7.11	.00181	.00154	.00118	.00100	.00096
6-09	13.5	.00093	.00110	.00091	.00083	.00084
6-10	19.3	.00064	.00094	.00083	.00078	.00079
6-11	23.5	.00107	.00108	.00086	.00082	.00079
6-12	30.6	.00080	.00108	.00090	.00085	.00080
6-13	28.3	.00121	.00122	.00091	.00084	.00084
6-14	23.5	.00158	.00136	.00104	.00097	.00093
6-16	10.3	.00218	.00198	.00149	.00125	.00113
6-17	12.4	.00155	.00149	.00120	.00107	.00100
6-18	18.7	.00064	.00100	.00090	.00088	.00087
6-19	17.0	.00149	.00131	.00101	.00093	.00089
6-20	25.6	.00081	.00122	.00096	.00082	.00074
6-20	24.5	.00112	.00114	.00090	.00086	.00082
6-21	21.4	.00108	.00115	.00096	.00088	.00083
6-23	18.9	.00084	.00105	.00092	.00087	.00084
6-24	16.1	.00112	.00119	.00105	.00098	.00092
6-25	13.7	.00125	.00131	.00111	.00098	.00093
6-26	13.0	.00150	.00144	.00112	.00099	.00094
6-27	12.9	.00149	.00123	.00106	.00096	.00092
6-28	6.93	.00211	.00179	.00145	.00122	.00109
6-29	5.83	.00215	.00180	.00147	.00123	.00110
9-15	.66	.00186	.00257	.00217	.00174	.00146

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 69.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0898, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00116	0.00122	0.00133	0.00129	0.00115
5-13	4.51	.00129	.00125	.00133	.00131	.00118
5-14	3.74	.00114	.00119	.00131	.00127	.00116
5-16	2.61	.00079	.00106	.00122	.00124	.00113
5-19	3.22	.00099	.00111	.00127	.00126	.00116
5-20	4.15	.00110	.00115	.00128	.00126	.00114
5-21	8.31	.00122	.00109	.00121	.00113	.00104
5-21	8.31	.00129	.00114	.00122	.00111	.00104
5-22	16.7	.00142	.00098	.00095	.00088	.00086
5-23	25.8	.00091	.00085	.00096	.00083	.00078
5-24	26.2	.00125	.00101	.00107	.00095	.00088
5-26	9.28	.00124	.00125	.00139	.00128	.00114
5-27	5.67	.00116	.00123	.00141	.00133	.00119
5-28	4.74	.00096	.00118	.00134	.00129	.00118
5-29	4.37	.00097	.00106	.00122	.00114	.00106
5-30	3.28	.00096	.00099	.00113	.00108	.00101
6-01	3.22	.00083	.00110	.00119	.00108	.00099
6-03	3.28	.00087	.00108	.00119	.00108	.00099
6-04	3.15	.00076	.00102	.00118	.00108	.00098
6-05	3.81	.00091	.00108	.00118	.00109	.00098
6-06	4.96	.00091	.00108	.00118	.00108	.00097
6-07	4.51	.00113	.00117	.00122	.00112	.00101
6-08	7.11	.00108	.00102	.00111	.00102	.00092
6-09	13.5	.00113	.00088	.00094	.00086	.00081
6-10	19.3	.00129	.00083	.00090	.00084	.00077
6-11	23.5	.00115	.00099	.00100	.00086	.00082
6-12	30.6	.00130	.00106	.00107	.00093	.00085
6-13	28.3	.00104	.00088	.00111	.00099	.00088
6-14	23.5	.00103	.00092	.00121	.00107	.00094
6-16	10.3	.00106	.00101	.00129	.00124	.00111
6-17	12.4	.00130	.00106	.00116	.00108	.00099
6-18	18.7	.00135	.00102	.00102	.00091	.00084
6-19	17.0	.00121	.00093	.00108	.00096	.00086
6-20	25.6	.00101	.00083	.00093	.00077	.00067
6-20	24.5	.00108	.00095	.00105	.00089	.00080
6-21	21.4	.00113	.00094	.00105	.00090	.00080
6-23	18.9	.00131	.00096	.00103	.00091	.00080
6-24	16.1	.00122	.00102	.00110	.00100	.00091
6-25	13.7	.00127	.00104	.00107	.00100	.00092
6-26	13.0	.00112	.00095	.00112	.00102	.00093
6-27	12.9	.00101	.00099	.00110	.00101	.00090
6-28	6.93	.00102	.00108	.00124	.00118	.00105
6-29	5.83	.00116	.00120	.00126	.00119	.00105
9-15	.66	.00166	.00157	.00142	.00141	.00129

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 70.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0940, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00021	0.00074	0.00091	0.00105	0.00106
5-13	4.51	.00034	.00073	.00091	.00104	.00108
5-14	3.74	.00034	.00063	.00081	.00097	.00104
5-16	2.61	.00064	.00062	.00071	.00086	.00096
5-19	3.22	.00046	.00055	.00076	.00095	.00101
5-20	4.15	.00029	.00064	.00083	.00097	.00102
5-21	8.31	.00014	.00078	.00093	.00105	.00100
5-21	8.31	.00015	.00084	.00094	.00106	.00100
5-22	16.7	.00070	.00085	.00092	.00093	.00086
5-23	25.8	.00086	.00076	.00081	.00089	.00085
5-24	26.2	.00067	.00095	.00101	.00101	.00091
5-26	9.28	.00055	.00099	.00103	.00109	.00102
5-27	5.67	.00039	.00083	.00092	.00103	.00103
5-28	4.74	.00075	.00073	.00089	.00102	.00102
5-29	4.37	.00036	.00069	.00073	.00087	.00089
5-30	3.28	.00040	.00059	.00073	.00083	.00085
6-01	3.22	.00039	.00063	.00074	.00085	.00084
6-03	3.28	.00040	.00066	.00075	.00086	.00085
6-04	3.15	.00060	.00061	.00073	.00084	.00084
6-05	3.81	.00047	.00061	.00079	.00087	.00085
6-06	4.96	.00060	.00068	.00083	.00090	.00086
6-07	4.51	.00033	.00061	.00085	.00093	.00089
6-08	7.11	.00015	.00073	.00085	.00091	.00085
6-09	13.5	.00021	.00081	.00081	.00083	.00078
6-10	19.3	.00055	.00084	.00084	.00082	.00077
6-11	23.5	.00086	.00089	.00085	.00090	.00086
6-12	30.6	.00075	.00107	.00096	.00094	.00090
6-13	28.3	.00112	.00115	.00101	.00100	.00092
6-14	23.5	.00126	.00125	.00102	.00101	.00093
6-16	10.3	.00032	.00082	.00091	.00103	.00098
6-17	12.4	.00018	.00088	.00093	.00097	.00090
6-18	18.7	.00062	.00102	.00093	.00086	.00078
6-19	17.0	.00048	.00092	.00086	.00088	.00080
6-20	25.6	.00061	.00072	.00056	.00062	.00060
6-20	24.5	.00107	.00099	.00086	.00084	.00079
6-21	21.4	.00086	.00099	.00082	.00082	.00076
6-23	18.9	.00063	.00101	.00088	.00082	.00072
6-24	16.1	.00067	.00106	.00093	.00091	.00084
6-25	13.7	.00015	.00082	.00089	.00092	.00085
6-26	13.0	.00032	.00090	.00089	.00094	.00086
6-27	12.9	.00039	.00107	.00094	.00092	.00084
6-28	6.93	.00035	.00081	.00087	.00094	.00093
6-29	5.83	.00037	.00076	.00088	.00094	.00092
9-15	.66	-.00009	.00016	.00070	.00087	.00101

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 71.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 0985, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00117	0.00081	0.00073	0.00077	0.00088
5-13	4.51	.00097	.00077	.00070	.00078	.00087
5-14	3.74	.00070	.00062	.00061	.00070	.00082
5-16	2.61	.00041	.00047	.00049	.00059	.00071
5-19	3.22	.00058	.00059	.00058	.00065	.00078
5-20	4.15	.00086	.00070	.00063	.00069	.00080
5-21	8.31	.00136	.00096	.00085	.00083	.00090
5-21	8.31	.00130	.00092	.00087	.00086	.00091
5-22	16.7	.00091	.00089	.00088	.00086	.00087
5-23	25.8	.00078	.00078	.00080	.00085	.00089
5-24	26.2	.00129	.00108	.00093	.00091	.00093
5-26	9.28	.00139	.00090	.00080	.00077	.00085
5-27	5.67	.00098	.00075	.00064	.00068	.00081
5-28	4.74	.00085	.00072	.00066	.00069	.00081
5-29	4.37	.00067	.00052	.00052	.00057	.00069
5-30	3.28	.00069	.00062	.00051	.00056	.00067
6-01	3.22	.00065	.00054	.00050	.00056	.00067
6-03	3.28	.00066	.00057	.00052	.00057	.00068
6-04	3.15	.00053	.00056	.00049	.00054	.00066
6-05	3.81	.00077	.00065	.00052	.00057	.00067
6-06	4.96	.00088	.00070	.00060	.00062	.00070
6-07	4.51	.00088	.00074	.00059	.00064	.00074
6-08	7.11	.00123	.00084	.00069	.00067	.00074
6-09	13.5	.00118	.00082	.00073	.00070	.00074
6-10	19.3	.00124	.00084	.00073	.00072	.00075
6-11	23.5	.00080	.00068	.00082	.00085	.00088
6-12	30.6	.00095	.00085	.00084	.00090	.00093
6-13	28.3	.00118	.00102	.00093	.00089	.00093
6-14	23.5	.00102	.00095	.00087	.00083	.00088
6-16	10.3	.00131	.00095	.00075	.00069	.00080
6-17	12.4	.00121	.00095	.00077	.00072	.00077
6-18	18.7	.00099	.00085	.00073	.00071	.00073
6-19	17.0	.00102	.00081	.00070	.00066	.00073
6-20	25.6	.00017	.00022	.00035	.00041	.00050
6-20	24.5	.00059	.00067	.00067	.00071	.00076
6-21	21.4	.00060	.00061	.00064	.00064	.00070
6-23	18.9	.00096	.00076	.00065	.00061	.00064
6-24	16.1	.00097	.00082	.00075	.00072	.00076
6-25	13.7	.00129	.00088	.00076	.00071	.00076
6-26	13.0	.00129	.00090	.00076	.00070	.00076
6-27	12.9	.00123	.00092	.00077	.00070	.00076
6-28	6.93	.00110	.00077	.00065	.00064	.00074
6-29	5.83	.00107	.00070	.00060	.00063	.00073
9-15	.66	.00048	.00026	.00021	.00048	.00066

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 72.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1038, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00056	0.00061	0.00065	0.00065	0.00070
5-13	4.51	.00052	.00062	.00066	.00063	.00070
5-14	3.74	.00054	.00059	.00060	.00057	.00064
5-16	2.61	.00039	.00041	.00045	.00047	.00055
5-19	3.22	.00060	.00061	.00055	.00053	.00060
5-20	4.15	.00049	.00055	.00057	.00056	.00064
5-21	8.31	.00076	.00076	.00077	.00074	.00081
5-21	8.31	.00084	.00081	.00079	.00075	.00083
5-22	16.7	.00086	.00091	.00081	.00083	.00085
5-23	25.8	.00090	.00084	.00087	.00086	.00085
5-24	26.2	.00073	.00076	.00086	.00085	.00085
5-26	9.28	.00032	.00045	.00054	.00058	.00067
5-27	5.67	.00046	.00033	.00047	.00052	.00060
5-28	4.74	.00040	.00052	.00051	.00054	.00062
5-29	4.37	.00042	.00032	.00040	.00043	.00051
5-30	3.28	.00037	.00036	.00042	.00044	.00051
6-01	3.22	.00042	.00032	.00039	.00041	.00051
6-03	3.28	.00043	.00033	.00040	.00043	.00052
6-04	3.15	.00032	.00033	.00038	.00040	.00049
6-05	3.81	.00021	.00033	.00039	.00041	.00052
6-06	4.96	.00033	.00040	.00044	.00046	.00057
6-07	4.51	.00043	.00044	.00048	.00049	.00061
6-08	7.11	.00052	.00049	.00055	.00055	.00067
6-09	13.5	.00053	.00056	.00062	.00065	.00073
6-10	19.3	.00016	.00048	.00064	.00068	.00072
6-11	23.5	.00083	.00080	.00080	.00082	.00082
6-12	30.6	.00063	.00064	.00084	.00087	.00088
6-13	28.3	.00048	.00062	.00080	.00085	.00082
6-14	23.5	.00034	.00045	.00066	.00075	.00077
6-16	10.3	.00049	.00047	.00053	.00055	.00062
6-17	12.4	.00068	.00050	.00057	.00058	.00065
6-18	18.7	.00047	.00037	.00053	.00060	.00067
6-19	17.0	.00040	.00039	.00051	.00057	.00063
6-20	25.6	.00022	.00013	.00022	.00032	.00038
6-20	24.5	.00035	.00041	.00056	.00065	.00068
6-21	21.4	.00044	.00035	.00046	.00055	.00060
6-23	18.9	.00010	.00022	.00037	.00047	.00056
6-24	16.1	.00042	.00040	.00054	.00061	.00068
6-25	13.7	.00056	.00054	.00057	.00060	.00067
6-26	13.0	.00042	.00047	.00056	.00059	.00066
6-27	12.9	.00047	.00036	.00052	.00061	.00068
6-28	6.93	.00033	.00035	.00046	.00051	.00061
6-29	5.83	.00029	.00030	.00041	.00046	.00058
9-15	.66	.00009	.00020	.00026	.00025	.00039

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 73.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1077, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00040	0.00048	0.00054	0.00062	0.00062
5-13	4.51	.00055	.00055	.00054	.00061	.00060
5-14	3.74	.00055	.00056	.00054	.00057	.00055
5-16	2.61	.00052	.00043	.00044	.00047	.00046
5-19	3.22	.00030	.00045	.00049	.00053	.00053
5-20	4.15	.00038	.00043	.00047	.00057	.00057
5-21	8.31	.00036	.00051	.00062	.00078	.00078
5-21	8.31	.00045	.00056	.00063	.00080	.00081
5-22	16.7	.00061	.00064	.00080	.00082	.00082
5-23	25.8	.00103	.00095	.00091	.00085	.00081
5-24	26.2	.00067	.00066	.00074	.00079	.00076
5-26	9.28	.00005	.00017	.00033	.00051	.00057
5-27	5.67	.00005	.00020	.00035	.00047	.00052
5-28	4.74	.00000	.00027	.00041	.00050	.00052
5-29	4.37	.00004	.00027	.00033	.00042	.00043
5-30	3.28	.00010	.00023	.00034	.00043	.00043
6-01	3.22	.00006	.00022	.00031	.00041	.00042
6-03	3.28	.00005	.00022	.00031	.00042	.00044
6-04	3.15	.00012	.00020	.00030	.00039	.00042
6-05	3.81	.00008	.00015	.00028	.00042	.00045
6-06	4.96	.00005	.00018	.00030	.00047	.00052
6-07	4.51	.00002	.00022	.00038	.00053	.00057
6-08	7.11	.00007	.00022	.00039	.00062	.00066
6-09	13.5	.00026	.00043	.00055	.00072	.00074
6-10	19.3	.00059	.00057	.00058	.00069	.00071
6-11	23.5	.00087	.00088	.00082	.00078	.00076
6-12	30.6	.00106	.00099	.00084	.00083	.00080
6-13	28.3	.00086	.00071	.00072	.00074	.00075
6-14	23.5	.00043	.00051	.00056	.00066	.00068
6-16	10.3	-.00017	.00006	.00032	.00052	.00056
6-17	12.4	-.00005	.00012	.00036	.00055	.00060
6-18	18.7	.00010	.00026	.00042	.00057	.00062
6-19	17.0	.00010	.00023	.00039	.00054	.00060
6-20	25.6	.00016	.00026	.00026	.00027	.00040
6-20	24.5	.00060	.00058	.00057	.00060	.00064
6-21	21.4	.00030	.00034	.00042	.00049	.00056
6-23	18.9	.00000	.00004	.00023	.00042	.00055
6-24	16.1	.00012	.00031	.00042	.00058	.00064
6-25	13.7	-.00009	.00020	.00043	.00060	.00064
6-26	13.0	-.00013	.00021	.00039	.00059	.00065
6-27	12.9	-.00003	.00016	.00039	.00058	.00066
6-28	6.93	-.00010	.00018	.00033	.00051	.00055
6-29	5.83	-.00016	.00015	.00029	.00046	.00051
9-15	.66	.00026	.00033	.00027	.00025	.00023

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 74.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1120, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00045	0.00055	0.00056	0.00055	0.00058
5-13	4.51	.00018	.00048	.00056	.00054	.00056
5-14	3.74	.00023	.00047	.00055	.00052	.00054
5-16	2.61	.00021	.00047	.00049	.00043	.00046
5-19	3.22	.00025	.00043	.00050	.00051	.00054
5-20	4.15	.00038	.00044	.00054	.00055	.00059
5-21	8.31	.00032	.00061	.00076	.00076	.00080
5-21	8.31	.00021	.00052	.00078	.00080	.00084
5-22	16.7	.00055	.00084	.00079	.00080	.00081
5-23	25.8	.00079	.00094	.00085	.00079	.00078
5-24	26.2	.00082	.00078	.00069	.00066	.00070
5-26	9.28	.00026	.00037	.00044	.00045	.00050
5-27	5.67	.00036	.00054	.00042	.00044	.00049
5-28	4.74	.00044	.00049	.00047	.00045	.00048
5-29	4.37	.00037	.00043	.00042	.00038	.00042
5-30	3.28	.00043	.00045	.00041	.00039	.00043
6-01	3.22	.00029	.00041	.00040	.00037	.00043
6-03	3.28	.00032	.00041	.00041	.00040	.00047
6-04	3.15	.00027	.00038	.00039	.00038	.00044
6-05	3.81	.00014	.00037	.00041	.00042	.00048
6-06	4.96	.00017	.00034	.00046	.00048	.00055
6-07	4.51	.00045	.00051	.00055	.00058	.00061
6-08	7.11	.00023	.00048	.00065	.00066	.00070
6-09	13.5	.00064	.00071	.00079	.00075	.00077
6-10	19.3	.00068	.00075	.00074	.00069	.00070
6-11	23.5	.00062	.00080	.00077	.00072	.00071
6-12	30.6	.00094	.00095	.00085	.00075	.00074
6-13	28.3	.00073	.00083	.00067	.00063	.00066
6-14	23.5	.00087	.00077	.00065	.00056	.00060
6-16	10.3	.00039	.00045	.00043	.00047	.00052
6-17	12.4	.00032	.00044	.00046	.00051	.00058
6-18	18.7	.00054	.00069	.00058	.00056	.00061
6-19	17.0	.00059	.00058	.00054	.00055	.00061
6-20	25.6	.00055	.00043	.00034	.00043	.00043
6-20	24.5	.00068	.00079	.00066	.00061	.00061
6-21	21.4	.00053	.00061	.00051	.00051	.00056
6-23	18.9	.00049	.00043	.00044	.00050	.00055
6-24	16.1	.00053	.00062	.00060	.00059	.00062
6-25	13.7	.00059	.00057	.00057	.00058	.00064
6-26	13.0	.00077	.00053	.00057	.00059	.00066
6-27	12.9	.00071	.00070	.00058	.00059	.00067
6-28	6.93	.00054	.00053	.00054	.00050	.00056
6-29	5.83	.00056	.00049	.00048	.00046	.00053
9-15	.66	.00037	.00033	.00026	.00023	.00024

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 75.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1155, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00088	0.00068	0.00056	0.00053	0.00055
5-13	4.51	.00098	.00066	.00052	.00050	.00054
5-14	3.74	.00091	.00064	.00049	.00051	.00055
5-16	2.61	.00080	.00059	.00042	.00047	.00051
5-19	3.22	.00092	.00061	.00052	.00055	.00056
5-20	4.15	.00092	.00073	.00060	.00060	.00059
5-21	8.31	.00161	.00117	.00086	.00081	.00078
5-21	8.31	.00174	.00123	.00092	.00086	.00083
5-22	16.7	.00095	.00098	.00082	.00079	.00079
5-23	25.8	.00071	.00067	.00067	.00072	.00072
5-24	26.2	.00064	.00064	.00059	.00060	.00061
5-26	9.28	.00106	.00080	.00058	.00046	.00045
5-27	5.67	.00071	.00061	.00058	.00049	.00048
5-28	4.74	.00094	.00067	.00051	.00045	.00048
5-29	4.37	.00069	.00057	.00045	.00043	.00045
5-30	3.28	.00066	.00056	.00046	.00043	.00048
6-01	3.22	.00089	.00061	.00045	.00045	.00049
6-03	3.28	.00084	.00062	.00050	.00050	.00050
6-04	3.15	.00090	.00060	.00048	.00047	.00047
6-05	3.81	.00121	.00073	.00056	.00052	.00051
6-06	4.96	.00117	.00088	.00066	.00061	.00058
6-07	4.51	.00129	.00094	.00077	.00067	.00062
6-08	7.11	.00175	.00126	.00090	.00077	.00071
6-09	13.5	.00148	.00124	.00095	.00084	.00080
6-10	19.3	.00078	.00093	.00080	.00074	.00069
6-11	23.5	.00051	.00066	.00062	.00066	.00067
6-12	30.6	.00079	.00062	.00066	.00068	.00067
6-13	28.3	.00047	.00051	.00057	.00057	.00059
6-14	23.5	.00061	.00069	.00059	.00056	.00055
6-16	10.3	.00106	.00082	.00063	.00048	.00048
6-17	12.4	.00110	.00087	.00068	.00056	.00059
6-18	18.7	.00100	.00087	.00073	.00064	.00063
6-19	17.0	.00086	.00083	.00073	.00065	.00062
6-20	25.6	.00020	.00034	.00062	.00055	.00049
6-20	24.5	.00059	.00067	.00069	.00065	.00062
6-21	21.4	.00060	.00064	.00062	.00061	.00058
6-23	18.9	.00084	.00084	.00078	.00064	.00060
6-24	16.1	.00112	.00091	.00077	.00066	.00066
6-25	13.7	.00116	.00095	.00076	.00066	.00066
6-26	13.0	.00103	.00094	.00080	.00071	.00070
6-27	12.9	.00102	.00095	.00083	.00072	.00069
6-28	6.93	.00122	.00091	.00068	.00061	.00059
6-29	5.83	.00110	.00083	.00064	.00059	.00059
9-15	.66	.00017	.00012	.00020	.00024	.00025

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 76.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1202, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00041	0.00045	0.00053	0.00055	0.00059
5-13	4.51	.00041	.00042	.00049	.00053	.00059
5-14	3.74	.00041	.00036	.00051	.00055	.00061
5-16	2.61	.00016	.00023	.00049	.00056	.00059
5-19	3.22	.00029	.00049	.00062	.00060	.00059
5-20	4.15	.00045	.00063	.00068	.00064	.00061
5-21	8.31	.00080	.00079	.00095	.00084	.00076
5-21	8.31	.00095	.00096	.00102	.00089	.00081
5-22	16.7	.00099	.00068	.00082	.00080	.00076
5-23	25.8	.00055	.00041	.00060	.00062	.00067
5-24	26.2	.00055	.00036	.00051	.00055	.00057
5-26	9.28	.00056	.00056	.00055	.00050	.00050
5-27	5.67	.00075	.00055	.00058	.00057	.00057
5-28	4.74	.00029	.00037	.00049	.00053	.00055
5-29	4.37	.00031	.00036	.00048	.00053	.00056
5-30	3.28	.00033	.00038	.00048	.00057	.00059
6-01	3.22	.00021	.00033	.00055	.00060	.00059
6-03	3.28	.00025	.00045	.00063	.00061	.00058
6-04	3.15	.00017	.00044	.00059	.00057	.00055
6-05	3.81	.00023	.00054	.00068	.00063	.00058
6-06	4.96	.00051	.00075	.00082	.00072	.00062
6-07	4.51	.00083	.00081	.00082	.00074	.00065
6-08	7.11	.00085	.00096	.00097	.00085	.00072
6-09	13.5	.00089	.00090	.00097	.00091	.00080
6-10	19.3	.00116	.00075	.00077	.00073	.00070
6-11	23.5	.00094	.00044	.00056	.00060	.00063
6-12	30.6	.00049	.00039	.00050	.00058	.00061
6-13	28.3	.00059	.00037	.00047	.00053	.00056
6-14	23.5	.00060	.00035	.00050	.00055	.00055
6-16	10.3	.00056	.00061	.00059	.00056	.00057
6-17	12.4	.00078	.00070	.00071	.00072	.00068
6-18	18.7	.00077	.00062	.00074	.00075	.00068
6-19	17.0	.00088	.00077	.00080	.00074	.00068
6-20	25.6	.00151	.00091	.00069	.00061	.00052
6-20	24.5	.00097	.00058	.00063	.00065	.00064
6-21	21.4	.00089	.00060	.00071	.00068	.00062
6-23	18.9	.00129	.00098	.00086	.00078	.00070
6-24	16.1	.00088	.00074	.00076	.00078	.00073
6-25	13.7	.00088	.00071	.00080	.00079	.00075
6-26	13.0	.00090	.00088	.00088	.00086	.00080
6-27	12.9	.00098	.00083	.00089	.00086	.00078
6-28	6.93	.00053	.00058	.00074	.00072	.00071
6-29	5.83	.00050	.00058	.00075	.00076	.00072
9-15	.66	.00006	.00015	.00020	.00025	.00047

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 77.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1241, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00040	0.00045	0.00051	0.00063	0.00069
5-13	4.51	.00020	.00037	.00051	.00064	.00070
5-14	3.74	.00022	.00049	.00057	.00067	.00073
5-16	2.61	.00051	.00062	.00063	.00068	.00072
5-19	3.22	.00082	.00075	.00064	.00065	.00068
5-20	4.15	.00074	.00069	.00067	.00066	.00068
5-21	8.31	.00073	.00080	.00078	.00078	.00076
5-21	8.31	.00072	.00081	.00086	.00084	.00080
5-22	16.7	.00050	.00070	.00073	.00075	.00073
5-23	25.8	.00036	.00064	.00052	.00059	.00059
5-24	26.2	.00018	.00048	.00046	.00051	.00053
5-26	9.28	.00021	.00027	.00042	.00055	.00060
5-27	5.67	.00038	.00050	.00055	.00066	.00073
5-28	4.74	.00033	.00041	.00052	.00062	.00071
5-29	4.37	.00041	.00048	.00057	.00066	.00072
5-30	3.28	.00046	.00048	.00063	.00070	.00075
6-01	3.22	.00051	.00068	.00068	.00072	.00075
6-03	3.28	.00090	.00079	.00068	.00068	.00073
6-04	3.15	.00085	.00073	.00063	.00065	.00071
6-05	3.81	.00075	.00078	.00066	.00068	.00072
6-06	4.96	.00097	.00083	.00077	.00071	.00074
6-07	4.51	.00055	.00069	.00071	.00070	.00075
6-08	7.11	.00067	.00069	.00080	.00078	.00077
6-09	13.5	.00067	.00075	.00085	.00082	.00080
6-10	19.3	.00019	.00053	.00066	.00068	.00068
6-11	23.5	-.00004	.00047	.00053	.00057	.00058
6-12	30.6	.00008	.00044	.00046	.00049	.00054
6-13	28.3	.00026	.00045	.00047	.00050	.00052
6-14	23.5	.00013	.00038	.00047	.00051	.00055
6-16	10.3	.00029	.00033	.00049	.00067	.00073
6-17	12.4	.00016	.00056	.00076	.00080	.00078
6-18	18.7	.00046	.00065	.00074	.00075	.00074
6-19	17.0	.00056	.00077	.00075	.00075	.00073
6-20	25.6	-.00010	.00073	.00067	.00056	.00053
6-20	24.5	.00000	.00056	.00061	.00064	.00064
6-21	21.4	.00056	.00078	.00070	.00067	.00064
6-23	18.9	.00010	.00071	.00082	.00082	.00076
6-24	16.1	.00053	.00057	.00078	.00081	.00081
6-25	13.7	.00048	.00065	.00080	.00087	.00082
6-26	13.0	.00063	.00081	.00092	.00092	.00088
6-27	12.9	.00069	.00085	.00086	.00088	.00086
6-28	6.93	.00066	.00068	.00072	.00083	.00087
6-29	5.83	.00060	.00081	.00083	.00087	.00088
9-15	.66	.00028	.00035	.00028	.00060	.00076

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 78.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1284, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00078	0.00064	0.00071	0.00076	0.00081
5-13	4.51	.00109	.00074	.00075	.00079	.00084
5-14	3.74	.00122	.00094	.00083	.00084	.00088
5-16	2.61	.00147	.00115	.00087	.00085	.00089
5-19	3.22	.00088	.00071	.00071	.00075	.00083
5-20	4.15	.00084	.00066	.00064	.00072	.00080
5-21	8.31	.00091	.00074	.00060	.00069	.00078
5-21	8.31	.00094	.00076	.00064	.00073	.00081
5-22	16.7	.00109	.00082	.00066	.00066	.00070
5-23	25.8	.00083	.00059	.00060	.00053	.00053
5-24	26.2	.00098	.00060	.00051	.00047	.00048
5-26	9.28	.00057	.00039	.00051	.00063	.00068
5-27	5.67	.00058	.00059	.00073	.00082	.00084
5-28	4.74	.00102	.00081	.00073	.00081	.00083
5-29	4.37	.00121	.00090	.00082	.00085	.00087
5-30	3.28	.00144	.00103	.00090	.00090	.00091
6-01	3.22	.00157	.00115	.00090	.00088	.00091
6-03	3.28	.00105	.00082	.00078	.00084	.00089
6-04	3.15	.00093	.00075	.00076	.00082	.00087
6-05	3.81	.00104	.00074	.00072	.00078	.00086
6-06	4.96	.00085	.00068	.00063	.00078	.00084
6-07	4.51	.00063	.00061	.00058	.00075	.00083
6-08	7.11	.00084	.00067	.00054	.00070	.00080
6-09	13.5	.00127	.00084	.00062	.00070	.00078
6-10	19.3	.00107	.00066	.00055	.00062	.00068
6-11	23.5	.00125	.00075	.00054	.00054	.00056
6-12	30.6	.00090	.00064	.00048	.00047	.00046
6-13	28.3	.00083	.00061	.00052	.00049	.00048
6-14	23.5	.00083	.00074	.00050	.00051	.00055
6-16	10.3	.00064	.00045	.00071	.00079	.00082
6-17	12.4	.00158	.00106	.00084	.00082	.00084
6-18	18.7	.00127	.00095	.00073	.00072	.00075
6-19	17.0	.00107	.00073	.00070	.00073	.00075
6-20	25.6	.00091	.00044	.00045	.00052	.00052
6-20	24.5	.00125	.00076	.00062	.00061	.00062
6-21	21.4	.00091	.00077	.00065	.00063	.00065
6-23	18.9	.00116	.00080	.00075	.00076	.00077
6-24	16.1	.00108	.00095	.00080	.00082	.00084
6-25	13.7	.00117	.00102	.00090	.00083	.00087
6-26	13.0	.00134	.00108	.00094	.00092	.00092
6-27	12.9	.00113	.00090	.00086	.00086	.00089
6-28	6.93	.00110	.00090	.00092	.00095	.00095
6-29	5.83	.00146	.00120	.00099	.00098	.00096
9-15	.66	.00065	.00040	.00105	.00108	.00101

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 79.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1315, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00084	0.00096	0.00101	0.00097	0.00099
5-13	4.51	.00089	.00105	.00109	.00103	.00103
5-14	3.74	.00089	.00104	.00117	.00108	.00107
5-16	2.61	.00044	.00089	.00115	.00112	.00107
5-19	3.22	.00034	.00063	.00088	.00097	.00101
5-20	4.15	.00032	.00052	.00079	.00088	.00096
5-21	8.31	.00014	.00029	.00063	.00070	.00082
5-21	8.31	.00023	.00036	.00062	.00070	.00084
5-22	16.7	.00030	.00047	.00062	.00063	.00070
5-23	25.8	.00060	.00053	.00053	.00051	.00050
5-24	26.2	.00038	.00043	.00052	.00046	.00046
5-26	9.28	.00073	.00080	.00083	.00075	.00083
5-27	5.67	.00101	.00105	.00107	.00099	.00103
5-28	4.74	.00060	.00096	.00113	.00102	.00104
5-29	4.37	.00081	.00102	.00117	.00109	.00108
5-30	3.28	.00071	.00113	.00121	.00112	.00111
6-01	3.22	.00055	.00086	.00115	.00111	.00110
6-03	3.28	.00030	.00068	.00102	.00106	.00108
6-04	3.15	.00043	.00074	.00103	.00105	.00108
6-05	3.81	.00030	.00059	.00092	.00099	.00104
6-06	4.96	.00006	.00037	.00080	.00088	.00101
6-07	4.51	.00032	.00046	.00080	.00086	.00100
6-08	7.11	.00014	.00026	.00063	.00071	.00090
6-09	13.5	.00004	.00026	.00060	.00068	.00080
6-10	19.3	.00027	.00044	.00061	.00062	.00068
6-11	23.5	.00043	.00040	.00060	.00055	.00054
6-12	30.6	.00040	.00039	.00052	.00044	.00041
6-13	28.3	.00037	.00048	.00053	.00048	.00046
6-14	23.5	.00046	.00047	.00062	.00056	.00057
6-16	10.3	.00109	.00120	.00106	.00094	.00094
6-17	12.4	.00084	.00087	.00095	.00087	.00091
6-18	18.7	.00055	.00059	.00075	.00075	.00078
6-19	17.0	.00057	.00053	.00071	.00073	.00079
6-20	25.6	.00018	.00013	.00036	.00043	.00052
6-20	24.5	.00053	.00053	.00065	.00060	.00060
6-21	21.4	.00046	.00041	.00060	.00062	.00066
6-23	18.9	.00069	.00070	.00072	.00071	.00077
6-24	16.1	.00079	.00085	.00090	.00085	.00088
6-25	13.7	.00090	.00099	.00090	.00089	.00092
6-26	13.0	.00084	.00090	.00095	.00093	.00096
6-27	12.9	.00076	.00080	.00088	.00088	.00094
6-28	6.93	.00113	.00110	.00120	.00107	.00108
6-29	5.83	.00095	.00096	.00119	.00107	.00110
9-15	.66	.00250	.00207	.00178	.00145	.00119

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 80.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1360, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00140	0.00136	0.00124	0.00124	0.00111
5-13	4.51	.00151	.00140	.00131	.00130	.00114
5-14	3.74	.00166	.00141	.00132	.00134	.00118
5-16	2.61	.00191	.00135	.00129	.00134	.00117
5-19	3.22	.00153	.00124	.00117	.00121	.00112
5-20	4.15	.00119	.00111	.00105	.00114	.00107
5-21	8.31	.00074	.00082	.00070	.00088	.00086
5-21	8.31	.00048	.00072	.00067	.00087	.00086
5-22	16.7	.00060	.00055	.00055	.00072	.00070
5-23	25.8	.00030	.00049	.00041	.00048	.00047
5-24	26.2	.00043	.00050	.00039	.00047	.00046
5-26	9.28	.00126	.00125	.00099	.00104	.00095
5-27	5.67	.00156	.00149	.00127	.00127	.00115
5-28	4.74	.00188	.00157	.00129	.00133	.00118
5-29	4.37	.00158	.00152	.00133	.00136	.00121
5-30	3.28	.00165	.00145	.00134	.00138	.00123
6-01	3.22	.00166	.00135	.00125	.00135	.00122
6-03	3.28	.00188	.00147	.00126	.00131	.00121
6-04	3.15	.00182	.00151	.00128	.00132	.00121
6-05	3.81	.00161	.00135	.00117	.00126	.00116
6-06	4.96	.00158	.00127	.00102	.00117	.00112
6-07	4.51	.00131	.00125	.00107	.00119	.00111
6-08	7.11	.00090	.00088	.00078	.00100	.00097
6-09	13.5	.00050	.00066	.00063	.00082	.00083
6-10	19.3	.00050	.00073	.00064	.00071	.00069
6-11	23.5	.00034	.00058	.00049	.00057	.00051
6-12	30.6	.00047	.00045	.00035	.00039	.00037
6-13	28.3	.00049	.00051	.00042	.00045	.00042
6-14	23.5	.00074	.00060	.00059	.00066	.00058
6-16	10.3	.00145	.00149	.00123	.00114	.00102
6-17	12.4	.00039	.00087	.00089	.00102	.00096
6-18	18.7	.00040	.00067	.00072	.00084	.00078
6-19	17.0	.00051	.00081	.00071	.00082	.00078
6-20	25.6	.00020	.00044	.00034	.00046	.00046
6-20	24.5	.00034	.00062	.00054	.00062	.00057
6-21	21.4	.00042	.00057	.00054	.00066	.00064
6-23	18.9	.00037	.00065	.00067	.00076	.00073
6-24	16.1	.00065	.00086	.00090	.00095	.00088
6-25	13.7	.00064	.00070	.00091	.00101	.00094
6-26	13.0	.00062	.00084	.00090	.00100	.00096
6-27	12.9	.00058	.00092	.00088	.00100	.00094
6-28	6.93	.00134	.00151	.00121	.00127	.00113
6-29	5.83	.00133	.00129	.00110	.00127	.00116
9-15	.66	.00251	.00266	.00200	.00154	.00129

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 81.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1396, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00146	0.00142	0.00151	0.00127	0.00114
5-13	4.51	.00134	.00148	.00153	.00129	.00115
5-14	3.74	.00110	.00149	.00154	.00130	.00117
5-16	2.61	.00136	.00156	.00152	.00125	.00113
5-19	3.22	.00165	.00172	.00155	.00125	.00110
5-20	4.15	.00157	.00163	.00149	.00122	.00108
5-21	8.31	.00146	.00111	.00115	.00095	.00089
5-21	8.31	.00126	.00112	.00113	.00094	.00088
5-22	16.7	.00077	.00063	.00082	.00071	.00071
5-23	25.8	.00028	.00025	.00045	.00041	.00047
5-24	26.2	.00030	.00029	.00044	.00043	.00047
5-26	9.28	.00076	.00102	.00132	.00114	.00103
5-27	5.67	.00106	.00132	.00153	.00133	.00119
5-28	4.74	.00117	.00137	.00159	.00135	.00121
5-29	4.37	.00149	.00152	.00159	.00135	.00122
5-30	3.28	.00132	.00146	.00157	.00134	.00123
6-01	3.22	.00134	.00156	.00156	.00131	.00121
6-03	3.28	.00158	.00167	.00165	.00135	.00121
6-04	3.15	.00147	.00168	.00166	.00135	.00121
6-05	3.81	.00154	.00168	.00163	.00131	.00117
6-06	4.96	.00140	.00157	.00160	.00128	.00115
6-07	4.51	.00155	.00167	.00162	.00130	.00116
6-08	7.11	.00144	.00133	.00137	.00113	.00103
6-09	13.5	.00138	.00113	.00104	.00088	.00086
6-10	19.3	.00096	.00094	.00084	.00074	.00074
6-11	23.5	.00057	.00061	.00055	.00047	.00051
6-12	30.6	.00012	.00022	.00030	.00031	.00035
6-13	28.3	.00008	.00033	.00040	.00037	.00041
6-14	23.5	.00060	.00068	.00069	.00059	.00061
6-16	10.3	.00116	.00103	.00129	.00116	.00105
6-17	12.4	.00127	.00104	.00108	.00099	.00099
6-18	18.7	.00111	.00100	.00091	.00078	.00080
6-19	17.0	.00101	.00094	.00095	.00079	.00079
6-20	25.6	.00056	.00060	.00057	.00044	.00045
6-20	24.5	.00065	.00060	.00061	.00053	.00056
6-21	21.4	.00077	.00073	.00072	.00061	.00063
6-23	18.9	.00095	.00071	.00078	.00072	.00072
6-24	16.1	.00098	.00105	.00099	.00091	.00088
6-25	13.7	.00107	.00097	.00105	.00096	.00094
6-26	13.0	.00102	.00099	.00104	.00096	.00094
6-27	12.9	.00129	.00105	.00112	.00095	.00092
6-28	6.93	.00093	.00111	.00141	.00121	.00112
6-29	5.83	.00084	.00108	.00139	.00120	.00114
9-15	.66	.00066	.00130	.00151	.00138	.00122

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 82.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1425, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00212	0.00153	0.00125	0.00117	0.00116
5-13	4.51	.00226	.00153	.00124	.00114	.00116
5-14	3.74	.00248	.00158	.00126	.00115	.00117
5-16	2.61	.00212	.00148	.00119	.00109	.00111
5-19	3.22	.00232	.00155	.00130	.00115	.00114
5-20	4.15	.00233	.00159	.00134	.00117	.00108
5-21	8.31	.00190	.00131	.00111	.00099	.00091
5-21	8.31	.00205	.00139	.00113	.00097	.00090
5-22	16.7	.00129	.00110	.00080	.00073	.00073
5-23	25.8	.00079	.00050	.00038	.00045	.00047
5-24	26.2	.00082	.00047	.00043	.00047	.00046
5-26	9.28	.00229	.00148	.00119	.00112	.00105
5-27	5.67	.00255	.00159	.00132	.00122	.00117
5-28	4.74	.00260	.00161	.00133	.00124	.00116
5-29	4.37	.00228	.00156	.00132	.00122	.00117
5-30	3.28	.00241	.00160	.00130	.00121	.00116
6-01	3.22	.00238	.00159	.00132	.00121	.00113
6-03	3.28	.00248	.00161	.00139	.00128	.00118
6-04	3.15	.00259	.00163	.00138	.00127	.00117
6-05	3.81	.00257	.00167	.00139	.00126	.00115
6-06	4.96	.00273	.00175	.00145	.00129	.00115
6-07	4.51	.00283	.00176	.00146	.00128	.00116
6-08	7.11	.00240	.00168	.00138	.00117	.00105
6-09	13.5	.00160	.00122	.00109	.00096	.00090
6-10	19.3	.00113	.00086	.00082	.00080	.00078
6-11	23.5	.00056	.00051	.00046	.00048	.00051
6-12	30.6	.00033	.00026	.00026	.00029	.00032
6-13	28.3	.00059	.00041	.00032	.00037	.00041
6-14	23.5	.00093	.00075	.00057	.00060	.00062
6-16	10.3	.00159	.00118	.00104	.00105	.00104
6-17	12.4	.00161	.00124	.00107	.00099	.00098
6-18	18.7	.00135	.00101	.00084	.00080	.00081
6-19	17.0	.00128	.00102	.00085	.00082	.00081
6-20	25.6	.00123	.00064	.00052	.00049	.00050
6-20	24.5	.00079	.00063	.00051	.00053	.00055
6-21	21.4	.00110	.00081	.00067	.00064	.00063
6-23	18.9	.00116	.00088	.00074	.00070	.00071
6-24	16.1	.00143	.00105	.00091	.00085	.00087
6-25	13.7	.00136	.00131	.00098	.00091	.00091
6-26	13.0	.00148	.00118	.00100	.00091	.00092
6-27	12.9	.00186	.00122	.00098	.00092	.00092
6-28	6.93	.00237	.00142	.00114	.00110	.00106
6-29	5.83	.00266	.00156	.00119	.00111	.00107
9-15	.66	.00082	.00067	.00086	.00103	.00110

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE B3.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1481, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M³/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00053	0.00093	0.00097	0.00110	0.00111
5-13	4.51	.00043	.00085	.00091	.00108	.00110
5-14	3.74	.00036	.00084	.00092	.00109	.00112
5-16	2.61	.00030	.00075	.00083	.00102	.00105
5-19	3.22	.00042	.00082	.00090	.00111	.00111
5-20	4.15	.00049	.00095	.00098	.00107	.00104
5-21	8.31	.00052	.00093	.00091	.00096	.00095
5-21	8.31	.00052	.00091	.00091	.00096	.00094
5-22	16.7	.00041	.00072	.00073	.00078	.00081
5-23	25.8	.00010	.00036	.00049	.00049	.00052
5-24	26.2	.00010	.00047	.00049	.00047	.00049
5-26	9.28	.00052	.00104	.00103	.00103	.00103
5-27	5.67	.00051	.00105	.00105	.00108	.00107
5-28	4.74	.00050	.00103	.00103	.00106	.00107
5-29	4.37	.00053	.00100	.00099	.00106	.00105
5-30	3.28	.00042	.00094	.00100	.00105	.00104
6-01	3.22	.00054	.00093	.00100	.00105	.00103
6-03	3.28	.00045	.00099	.00104	.00111	.00109
6-04	3.15	.00040	.00095	.00102	.00109	.00107
6-05	3.81	.00042	.00097	.00104	.00110	.00106
6-06	4.96	.00047	.00110	.00112	.00115	.00110
6-07	4.51	.00044	.00105	.00109	.00115	.00110
6-08	7.11	.00061	.00117	.00110	.00112	.00105
6-09	13.5	.00061	.00095	.00093	.00099	.00096
6-10	19.3	.00061	.00069	.00078	.00083	.00085
6-11	23.5	.00024	.00038	.00044	.00053	.00057
6-12	30.6	.00022	.00032	.00029	.00031	.00035
6-13	28.3	.00021	.00026	.00037	.00041	.00044
6-14	23.5	.00017	.00043	.00057	.00063	.00066
6-16	10.3	.00076	.00093	.00089	.00094	.00097
6-17	12.4	.00078	.00093	.00096	.00100	.00098
6-18	18.7	.00026	.00063	.00076	.00085	.00087
6-19	17.0	.00039	.00071	.00076	.00084	.00088
6-20	25.6	-.00008	.00037	.00046	.00056	.00066
6-20	24.5	.00019	.00041	.00050	.00056	.00060
6-21	21.4	.00021	.00054	.00061	.00066	.00072
6-23	18.9	.00035	.00066	.00068	.00072	.00077
6-24	16.1	.00050	.00072	.00077	.00086	.00088
6-25	13.7	.00068	.00079	.00088	.00090	.00091
6-26	13.0	.00056	.00086	.00087	.00092	.00091
6-27	12.9	.00027	.00073	.00082	.00092	.00093
6-28	6.93	.00032	.00089	.00092	.00096	.00097
6-29	5.83	.00031	.00094	.00098	.00101	.00098
9-15	.66	.00086	.00071	.00063	.00074	.00087

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 84.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1533, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00057	0.00057	0.00091	0.00098	0.00100
5-13	4.51	.00038	.00047	.00088	.00097	.00099
5-14	3.74	.00048	.00046	.00087	.00099	.00101
5-16	2.61	.00039	.00039	.00080	.00090	.00093
5-19	3.22	.00033	.00044	.00085	.00096	.00100
5-20	4.15	.00054	.00052	.00078	.00089	.00094
5-21	8.31	.00069	.00062	.00080	.00088	.00091
5-21	8.31	.00067	.00053	.00079	.00090	.00093
5-22	16.7	.00089	.00048	.00074	.00085	.00086
5-23	25.8	.00082	.00065	.00054	.00057	.00057
5-24	26.2	.00079	.00065	.00050	.00051	.00053
5-26	9.28	.00085	.00073	.00087	.00094	.00097
5-27	5.67	.00064	.00067	.00085	.00091	.00095
5-28	4.74	.00061	.00061	.00080	.00088	.00094
5-29	4.37	.00051	.00057	.00081	.00085	.00091
5-30	3.28	.00055	.00060	.00079	.00085	.00089
6-01	3.22	.00045	.00058	.00075	.00084	.00088
6-03	3.28	.00063	.00066	.00081	.00088	.00092
6-04	3.15	.00057	.00062	.00077	.00085	.00090
6-05	3.81	.00060	.00062	.00078	.00086	.00090
6-06	4.96	.00076	.00069	.00085	.00092	.00098
6-07	4.51	.00072	.00062	.00082	.00092	.00099
6-08	7.11	.00073	.00064	.00088	.00095	.00099
6-09	13.5	.00080	.00075	.00089	.00094	.00097
6-10	19.3	.00108	.00078	.00079	.00085	.00087
6-11	23.5	.00094	.00045	.00055	.00059	.00061
6-12	30.6	.00063	.00032	.00035	.00037	.00039
6-13	28.3	.00077	.00042	.00044	.00047	.00049
6-14	23.5	.00100	.00058	.00061	.00066	.00069
6-16	10.3	.00051	.00062	.00084	.00085	.00089
6-17	12.4	.00082	.00075	.00091	.00095	.00097
6-18	18.7	.00113	.00072	.00079	.00087	.00091
6-19	17.0	.00094	.00067	.00078	.00088	.00090
6-20	25.6	.00066	.00048	.00053	.00072	.00077
6-20	24.5	.00092	.00052	.00055	.00061	.00064
6-21	21.4	.00075	.00056	.00062	.00074	.00077
6-23	18.9	.00088	.00059	.00067	.00079	.00082
6-24	16.1	.00086	.00059	.00076	.00084	.00088
6-25	13.7	.00079	.00059	.00078	.00089	.00091
6-26	13.0	.00092	.00064	.00082	.00088	.00091
6-27	12.9	.00081	.00063	.00080	.00089	.00091
6-28	6.93	.00075	.00060	.00077	.00082	.00086
6-29	5.83	.00074	.00060	.00080	.00085	.00087
9-15	.66	.00008	.00048	.00063	.00061	.00064

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 85.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1573, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00122	0.00122	0.00089	0.00086	0.00089
5-13	4.51	.00158	.00132	.00092	.00084	.00088
5-14	3.74	.00151	.00134	.00094	.00086	.00090
5-16	2.61	.00155	.00127	.00086	.00077	.00081
5-19	3.22	.00158	.00135	.00091	.00083	.00086
5-20	4.15	.00078	.00078	.00071	.00074	.00081
5-21	8.31	.00078	.00078	.00079	.00082	.00084
5-21	8.31	.00093	.00083	.00081	.00082	.00086
5-22	16.7	.00085	.00091	.00090	.00088	.00086
5-23	25.8	.00059	.00068	.00068	.00063	.00062
5-24	26.2	.00058	.00040	.00056	.00057	.00058
5-26	9.28	.00060	.00079	.00081	.00087	.00091
5-27	5.67	.00079	.00076	.00071	.00078	.00087
5-28	4.74	.00054	.00068	.00067	.00076	.00084
5-29	4.37	.00092	.00078	.00063	.00072	.00079
5-30	3.28	.00086	.00076	.00063	.00068	.00077
6-01	3.22	.00073	.00072	.00062	.00066	.00074
6-03	3.28	.00081	.00072	.00065	.00069	.00078
6-04	3.15	.00077	.00072	.00063	.00066	.00076
6-05	3.81	.00075	.00068	.00061	.00065	.00075
6-06	4.96	.00065	.00064	.00066	.00075	.00083
6-07	4.51	.00057	.00067	.00067	.00076	.00084
6-08	7.11	.00057	.00069	.00072	.00082	.00087
6-09	13.5	.00103	.00093	.00091	.00091	.00092
6-10	19.3	.00053	.00088	.00092	.00086	.00086
6-11	23.5	.00048	.00079	.00072	.00066	.00065
6-12	30.6	.00021	.00039	.00045	.00046	.00043
6-13	28.3	.00042	.00065	.00057	.00055	.00054
6-14	23.5	.00079	.00081	.00074	.00072	.00072
6-16	10.3	.00077	.00095	.00076	.00083	.00085
6-17	12.4	.00089	.00102	.00090	.00091	.00092
6-18	18.7	.00097	.00101	.00097	.00091	.00088
6-19	17.0	.00086	.00095	.00096	.00090	.00089
6-20	25.6	.00106	.00082	.00099	.00086	.00081
6-20	24.5	.00085	.00070	.00071	.00067	.00066
6-21	21.4	.00062	.00079	.00087	.00080	.00079
6-23	18.9	.00059	.00070	.00088	.00085	.00084
6-24	16.1	.00083	.00092	.00087	.00085	.00085
6-25	13.7	.00067	.00091	.00085	.00086	.00088
6-26	13.0	.00077	.00086	.00084	.00086	.00087
6-27	12.9	.00100	.00106	.00091	.00085	.00087
6-28	6.93	.00061	.00075	.00067	.00071	.00077
6-29	5.83	.00078	.00080	.00065	.00071	.00078
9-15	.66	.00072	.00074	.00055	.00055	.00054

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 86.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1610, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00096	0.00099	0.00088	0.00079	0.00078
5-13	4.51	.00090	.00104	.00089	.00080	.00077
5-14	3.74	.00091	.00111	.00093	.00082	.00078
5-16	2.61	.00081	.00099	.00083	.00074	.00070
5-19	3.22	.00066	.00108	.00089	.00077	.00075
5-20	4.15	.00086	.00084	.00072	.00068	.00071
5-21	8.31	.00123	.00096	.00084	.00078	.00082
5-21	8.31	.00118	.00102	.00086	.00080	.00083
5-22	16.7	.00153	.00124	.00104	.00089	.00087
5-23	25.8	.00096	.00068	.00073	.00070	.00068
5-24	26.2	.00064	.00054	.00062	.00065	.00065
5-26	9.28	.00121	.00089	.00086	.00082	.00084
5-27	5.67	.00080	.00070	.00072	.00075	.00077
5-28	4.74	.00097	.00073	.00072	.00072	.00074
5-29	4.37	.00057	.00059	.00065	.00064	.00067
5-30	3.28	.00055	.00057	.00059	.00062	.00065
6-01	3.22	.00062	.00060	.00057	.00058	.00063
6-03	3.28	.00058	.00061	.00057	.00061	.00065
6-04	3.15	.00058	.00056	.00056	.00060	.00063
6-05	3.81	.00052	.00053	.00054	.00058	.00062
6-06	4.96	.00064	.00063	.00064	.00066	.00070
6-07	4.51	.00071	.00073	.00070	.00068	.00072
6-08	7.11	.00105	.00082	.00073	.00071	.00077
6-09	13.5	.00122	.00099	.00095	.00089	.00089
6-10	19.3	.00149	.00108	.00093	.00089	.00088
6-11	23.5	.00099	.00097	.00080	.00075	.00074
6-12	30.6	.00080	.00063	.00056	.00051	.00052
6-13	28.3	.00090	.00068	.00069	.00064	.00062
6-14	23.5	.00090	.00084	.00085	.00080	.00076
6-16	10.3	.00088	.00081	.00086	.00081	.00082
6-17	12.4	.00126	.00096	.00093	.00087	.00088
6-18	18.7	.00130	.00114	.00105	.00093	.00088
6-19	17.0	.00158	.00121	.00104	.00093	.00089
6-20	25.6	.00188	.00148	.00120	.00099	.00086
6-20	24.5	.00071	.00084	.00080	.00073	.00069
6-21	21.4	.00164	.00121	.00099	.00088	.00081
6-23	18.9	.00152	.00124	.00102	.00092	.00084
6-24	16.1	.00113	.00109	.00095	.00086	.00084
6-25	13.7	.00134	.00106	.00096	.00085	.00083
6-26	13.0	.00108	.00099	.00090	.00085	.00084
6-27	12.9	.00117	.00105	.00095	.00087	.00082
6-28	6.93	.00068	.00070	.00067	.00067	.00068
6-29	5.83	.00052	.00062	.00064	.00064	.00066
9-15	.66	.00045	.00054	.00050	.00047	.00047

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 87.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1662, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M³/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2) REACH LENGTH(3) 3	5	10	15	20
5-12	5.67	0.00031	0.00045	0.00070	0.00073	0.00069
5-13	4.51	.00021	.00038	.00072	.00074	.00070
5-14	3.74	.00036	.00040	.00075	.00075	.00071
5-16	2.61	.00017	.00029	.00066	.00068	.00063
5-19	3.22	.00048	.00036	.00069	.00072	.00069
5-20	4.15	.00041	.00053	.00069	.00068	.00067
5-21	8.31	.00031	.00077	.00081	.00083	.00079
5-21	8.31	.00036	.00076	.00084	.00085	.00082
5-22	16.7	.00039	.00096	.00096	.00094	.00088
5-23	25.8	.00042	.00073	.00071	.00076	.00073
5-24	26.2	.00065	.00087	.00071	.00072	.00070
5-26	9.28	.00063	.00077	.00085	.00082	.00077
5-27	5.67	.00041	.00065	.00077	.00074	.00070
5-28	4.74	.00051	.00065	.00076	.00071	.00067
5-29	4.37	.00058	.00055	.00062	.00061	.00060
5-30	3.28	.00027	.00043	.00058	.00058	.00058
6-01	3.22	.00013	.00042	.00055	.00057	.00056
6-03	3.28	.00013	.00043	.00057	.00057	.00057
6-04	3.15	.00018	.00039	.00055	.00055	.00056
6-05	3.81	.00014	.00041	.00054	.00053	.00054
6-06	4.96	.00052	.00062	.00065	.00062	.00062
6-07	4.51	.00062	.00069	.00070	.00066	.00065
6-08	7.11	.00038	.00065	.00072	.00070	.00069
6-09	13.5	.00039	.00086	.00088	.00088	.00085
6-10	19.3	.00016	.00080	.00091	.00093	.00088
6-11	23.5	.00054	.00068	.00084	.00086	.00079
6-12	30.6	.00054	.00063	.00058	.00062	.00056
6-13	28.3	.00044	.00068	.00071	.00072	.00067
6-14	23.5	.00048	.00090	.00086	.00084	.00079
6-16	10.3	.00073	.00078	.00084	.00084	.00078
6-17	12.4	.00033	.00074	.00086	.00086	.00083
6-18	18.7	.00057	.00101	.00091	.00091	.00088
6-19	17.0	.00044	.00090	.00095	.00094	.00088
6-20	25.6	.00057	.00127	.00110	.00100	.00090
6-20	24.5	.00080	.00089	.00077	.00076	.00073
6-21	21.4	.00058	.00089	.00095	.00090	.00084
6-23	18.9	.00083	.00108	.00103	.00089	.00085
6-24	16.1	.00056	.00088	.00089	.00087	.00084
6-25	13.7	.00053	.00087	.00090	.00085	.00081
6-26	13.0	.00065	.00081	.00089	.00084	.00083
6-27	12.9	.00045	.00073	.00085	.00083	.00082
6-28	6.93	.00050	.00058	.00068	.00064	.00064
6-29	5.83	.00048	.00053	.00062	.00060	.00059
9-15	.66	.00037	.00023	.00039	.00039	.00039

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 88.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1695, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3)				
		3	5	10	15	20
5-12	5.67	0.00058	0.00050	0.00048	0.00059	0.00065
5-13	4.51	.00068	.00058	.00046	.00059	.00066
5-14	3.74	.00062	.00050	.00044	.00061	.00067
5-16	2.61	.00061	.00050	.00039	.00051	.00058
5-19	3.22	.00043	.00037	.00042	.00059	.00064
5-20	4.15	.00067	.00057	.00059	.00067	.00066
5-21	8.31	.00080	.00072	.00081	.00082	.00078
5-21	8.31	.00080	.00070	.00081	.00085	.00081
5-22	16.7	.00071	.00065	.00083	.00091	.00087
5-23	25.8	.00081	.00072	.00080	.00074	.00072
5-24	26.2	.00097	.00087	.00089	.00077	.00071
5-26	9.28	.00062	.00075	.00076	.00075	.00073
5-27	5.67	.00108	.00097	.00073	.00069	.00067
5-28	4.74	.00095	.00083	.00066	.00066	.00065
5-29	4.37	.00060	.00065	.00054	.00056	.00058
5-30	3.28	.00082	.00071	.00053	.00054	.00055
6-01	3.22	.00095	.00063	.00053	.00053	.00054
6-03	3.28	.00090	.00069	.00052	.00053	.00054
6-04	3.15	.00085	.00069	.00050	.00052	.00052
6-05	3.81	.00087	.00070	.00049	.00050	.00051
6-06	4.96	.00072	.00066	.00059	.00060	.00058
6-07	4.51	.00069	.00061	.00063	.00064	.00062
6-08	7.11	.00064	.00065	.00064	.00068	.00065
6-09	13.5	.00102	.00079	.00081	.00083	.00082
6-10	19.3	.00109	.00084	.00089	.00089	.00085
6-11	23.5	.00089	.00080	.00090	.00085	.00080
6-12	30.6	.00050	.00045	.00070	.00063	.00057
6-13	28.3	.00068	.00072	.00075	.00073	.00068
6-14	23.5	.00109	.00090	.00085	.00081	.00077
6-16	10.3	.00085	.00086	.00079	.00078	.00077
6-17	12.4	.00093	.00083	.00075	.00079	.00079
6-18	18.7	.00064	.00058	.00079	.00084	.00083
6-19	17.0	.00079	.00068	.00081	.00086	.00085
6-20	25.6	.00072	.00054	.00085	.00089	.00084
6-20	24.5	.00066	.00058	.00077	.00074	.00072
6-21	21.4	.00082	.00060	.00077	.00085	.00082
6-23	18.9	.00065	.00068	.00077	.00086	.00082
6-24	16.1	.00085	.00065	.00078	.00084	.00083
6-25	13.7	.00075	.00070	.00072	.00081	.00081
6-26	13.0	.00078	.00076	.00076	.00084	.00080
6-27	12.9	.00080	.00071	.00066	.00078	.00079
6-28	6.93	.00087	.00068	.00058	.00062	.00062
6-29	5.83	.00065	.00067	.00053	.00055	.00058
9-15	.66	.00015	.00024	.00021	.00030	.00033

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.

TABLE 89.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1730, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3),(4)				
		3	5	10	15	20
5-12	5.67	0.00035	0.00046	0.00044	0.00047	--
5-13	4.51	.00031	.00044	.00046	.00048	--
5-14	3.74	.00023	.00040	.00044	.00047	--
5-16	2.61	.00030	.00039	.00036	.00038	--
5-19	3.22	.00054	.00046	.00045	.00044	--
5-20	4.15	.00040	.00062	.00063	.00060	--
5-21	8.31	.00065	.00090	.00080	.00073	--
5-21	8.31	.00057	.00093	.00083	.00075	--
5-22	16.7	.00065	.00076	.00080	.00077	--
5-23	25.8	.00077	.00084	.00076	.00070	--
5-24	26.2	.00065	.00084	.00082	.00077	--
5-26	9.28	.00049	.00072	.00062	.00063	--
5-27	5.67	.00020	.00057	.00063	.00061	--
5-28	4.74	.00012	.00048	.00056	.00058	--
5-29	4.37	.00020	.00040	.00050	.00052	--
5-30	3.28	.00021	.00045	.00052	.00051	--
6-01	3.22	.00035	.00048	.00054	.00050	--
6-03	3.28	.00020	.00045	.00052	.00049	--
6-04	3.15	.00028	.00042	.00051	.00046	--
6-05	3.81	.00021	.00040	.00050	.00047	--
6-06	4.96	.00014	.00042	.00054	.00054	--
6-07	4.51	.00039	.00048	.00055	.00056	--
6-08	7.11	.00034	.00060	.00063	.00059	--
6-09	13.5	.00016	.00071	.00075	.00073	--
6-10	19.3	.00059	.00097	.00086	.00078	--
6-11	23.5	.00096	.00114	.00084	.00076	--
6-12	30.6	.00081	.00088	.00061	.00057	--
6-13	28.3	.00083	.00078	.00073	.00066	--
6-14	23.5	.00066	.00064	.00075	.00072	--
6-16	10.3	.00027	.00071	.00071	.00069	--
6-17	12.4	.00018	.00068	.00072	.00069	--
6-18	18.7	.00048	.00064	.00069	.00070	--
6-19	17.0	.00030	.00077	.00072	.00072	--
6-20	25.6	.00020	.00050	.00056	.00064	--
6-20	24.5	.00053	.00067	.00065	.00069	--
6-21	21.4	.00036	.00067	.00068	.00069	--
6-23	18.9	.00006	.00043	.00063	.00071	--
6-24	16.1	.00042	.00067	.00075	.00074	--
6-25	13.7	.00015	.00052	.00070	.00072	--
6-26	13.0	.00038	.00065	.00077	.00072	--
6-27	12.9	.00025	.00051	.00069	.00068	--
6-28	6.93	.00013	.00040	.00057	.00058	--
6-29	5.83	.00027	.00039	.00048	.00053	--
9-15	.66	.00007	.00017	.00019	.00021	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.
(4) INSUFFICIENT OBSERVATIONS OF WATER LEVELS UPSTREAM OF THIS SECTION PROHIBIT COMPUTATIONS OF SLOPE FOR REACH LENGTH OF 20 METERS.

TABLE 90.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1766, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3),(4)				
		3	5	10	15	20
5-12	5.67	0.00032	0.00038	0.00048	—	—
5-13	4.51	.00038	.00038	.00050	—	—
5-14	3.74	.00043	.00045	.00050	—	—
5-16	2.61	.00014	.00023	.00038	—	—
5-19	3.22	.00049	.00049	.00046	—	—
5-20	4.15	.00072	.00072	.00061	—	—
5-21	8.31	.00086	.00082	.00068	—	—
5-21	8.31	.00101	.00094	.00074	—	—
5-22	16.7	.00117	.00097	.00071	—	—
5-23	25.8	.00048	.00070	.00062	—	—
5-24	26.2	.00084	.00075	.00065	—	—
5-26	9.28	.00052	.00045	.00053	—	—
5-27	5.67	.00053	.00037	.00046	—	—
5-28	4.74	.00045	.00043	.00047	—	—
5-29	4.37	.00053	.00045	.00048	—	—
5-30	3.28	.00054	.00042	.00047	—	—
6-01	3.22	.00053	.00049	.00045	—	—
6-03	3.28	.00070	.00042	.00044	—	—
6-04	3.15	.00049	.00038	.00040	—	—
6-05	3.81	.00057	.00038	.00042	—	—
6-06	4.96	.00084	.00056	.00046	—	—
6-07	4.51	.00047	.00055	.00047	—	—
6-08	7.11	.00094	.00066	.00054	—	—
6-09	13.5	.00123	.00085	.00065	—	—
6-10	19.3	.00107	.00079	.00070	—	—
6-11	23.5	.00055	.00064	.00071	—	—
6-12	30.6	.00049	.00056	.00052	—	—
6-13	28.3	.00067	.00064	.00058	—	—
6-14	23.5	.00050	.00062	.00055	—	—
6-16	10.3	.00091	.00064	.00058	—	—
6-17	12.4	.00112	.00070	.00062	—	—
6-18	18.7	.00105	.00085	.00060	—	—
6-19	17.0	.00114	.00081	.00065	—	—
6-20	25.6	.00084	.00062	.00041	—	—
6-20	24.5	.00074	.00070	.00061	—	—
6-21	21.4	.00086	.00081	.00059	—	—
6-23	18.9	.00116	.00077	.00059	—	—
6-24	16.1	.00096	.00091	.00069	—	—
6-25	13.7	.00109	.00091	.00067	—	—
6-26	13.0	.00115	.00091	.00065	—	—
6-27	12.9	.00120	.00083	.00065	—	—
6-28	6.93	.00074	.00059	.00053	—	—
6-29	5.83	.00041	.00040	.00050	—	—
9-15	.66	.00055	.00018	.00020	—	—

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.
(4) INSUFFICIENT OBSERVATIONS OF WATER LEVELS UPSTREAM OF THIS SECTION PROHIBIT COMPUTATIONS OF SLOPE FOR REACH LENGTHS OF 15 AND 20 METERS.

TABLE 91.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1800, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M^3/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
		REACH LENGTH(3),(4)				
		3	5	10	15	20
5-12	5.67	0.00052	0.00063	--	--	--
5-13	4.51	.00058	.00071	--	--	--
5-14	3.74	.00060	.00071	--	--	--
5-16	2.61	.00048	.00056	--	--	--
5-19	3.22	.00030	.00045	--	--	--
5-20	4.15	.00060	.00055	--	--	--
5-21	8.31	.00021	.00033	--	--	--
5-21	8.31	.00048	.00033	--	--	--
5-22	16.7	.00024	.00040	--	--	--
5-23	25.8	.00048	.00035	--	--	--
5-24	26.2	.00038	.00033	--	--	--
5-26	9.28	.00024	.00039	--	--	--
5-27	5.67	.00032	.00042	--	--	--
5-28	4.74	.00050	.00055	--	--	--
5-29	4.37	.00050	.00062	--	--	--
5-30	3.28	.00053	.00054	--	--	--
6-01	3.22	.00021	.00043	--	--	--
6-03	3.28	.00030	.00040	--	--	--
6-04	3.15	.00027	.00042	--	--	--
6-05	3.81	.00041	.00045	--	--	--
6-06	4.96	.00030	.00040	--	--	--
6-07	4.51	.00049	.00045	--	--	--
6-08	7.11	.00016	.00035	--	--	--
6-09	13.5	.00050	.00033	--	--	--
6-10	19.3	.00034	.00023	--	--	--
6-11	23.5	.00058	.00030	--	--	--
6-12	30.6	.00029	.00005	--	--	--
6-13	28.3	.00013	.00028	--	--	--
6-14	23.5	.00029	.00043	--	--	--
6-16	10.3	.00043	.00035	--	--	--
6-17	12.4	.00050	.00043	--	--	--
6-18	18.7	.00031	.00035	--	--	--
6-19	17.0	.00036	.00033	--	--	--
6-20	25.6	.00002	.00010	--	--	--
6-20	24.5	.00047	.00043	--	--	--
6-21	21.4	.00030	.00038	--	--	--
6-23	18.9	.00027	.00058	--	--	--
6-24	16.1	.00078	.00050	--	--	--
6-25	13.7	.00070	.00068	--	--	--
6-26	13.0	.00059	.00035	--	--	--
6-27	12.9	.00047	.00058	--	--	--
6-28	6.93	.00054	.00063	--	--	--
6-29	5.83	.00088	.00068	--	--	--
9-15	.66	.00001	.00019	--	--	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.
(4) INSUFFICIENT OBSERVATIONS OF WATER LEVELS UPSTREAM OF THIS SECTION PROHIBIT COMPUTATIONS OF SLOPE FOR REACH LENGTHS OF 10, 15, AND 20.

TABLE 92.- SUMMARY DATA OF LOCAL WATER-SURFACE SLOPE, SECTION 1830, EAST FORK RIVER, WYOMING, 1980

DATE	DISCHARGE(1) (M³/SEC)	VALUE OF WATER-SURFACE SLOPE, IN M/M, OVER GIVEN LENGTH OF RIVER REACH(2)				
			REACH LENGTH(3),(4)			
		3(5)	5	10	15	20
5-12	5.67	0.00113	---	---	---	---
5-13	4.51	.00110	---	---	---	---
5-14	3.74	.00110	---	---	---	---
5-16	2.61	.00107	---	---	---	---
5-19	3.22	.00056	---	---	---	---
5-20	4.15	.00052	---	---	---	---
5-21	8.31	.00048	---	---	---	---
5-21	8.31	.00039	---	---	---	---
5-22	16.7	.00061	---	---	---	---
5-23	25.8	.00051	---	---	---	---
5-24	26.2	.00055	---	---	---	---
5-26	9.28	.00105	---	---	---	---
5-27	5.67	.00084	---	---	---	---
5-28	4.74	.00087	---	---	---	---
5-29	4.37	.00084	---	---	---	---
5-30	3.28	.00069	---	---	---	---
6-01	3.22	.00067	---	---	---	---
6-03	3.28	.00060	---	---	---	---
6-04	3.15	.00060	---	---	---	---
6-05	3.81	.00060	---	---	---	---
6-06	4.96	.00047	---	---	---	---
6-07	4.51	.00046	---	---	---	---
6-08	7.11	.00049	---	---	---	---
6-09	13.5	.00057	---	---	---	---
6-10	19.3	.00081	---	---	---	---
6-11	23.5	.00074	---	---	---	---
6-12	30.6	.00066	---	---	---	---
6-13	28.3	.00061	---	---	---	---
6-14	23.5	.00044	---	---	---	---
6-16	10.3	.00070	---	---	---	---
6-17	12.4	.00072	---	---	---	---
6-18	18.7	.00041	---	---	---	---
6-19	17.0	.00065	---	---	---	---
6-20	25.6	.00019	---	---	---	---
6-20	24.5	.00068	---	---	---	---
6-21	21.4	.00028	---	---	---	---
6-23	18.9	.00057	---	---	---	---
6-24	16.1	.00035	---	---	---	---
6-25	13.7	.00059	---	---	---	---
6-26	13.0	-.00008	---	---	---	---
6-27	12.9	.00047	---	---	---	---
6-28	6.93	.00068	---	---	---	---
6-29	5.83	.00080	---	---	---	---
9-15	.66	.00055	---	---	---	---

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA OF WATER-SURFACE ELEVATION, ROUNDED TO THE NEAREST CENTIMETER, ARE LISTED IN TABLE 49. COMPUTATIONS OF WATER-SURFACE SLOPE USE WATER-SURFACE ELEVATION DATA TO THE NEAREST MILLIMETER AS MEASURED IN THE FIELD. FOR REACH LENGTHS OF 3, 5, 10, 15, AND 20; THE NUMBER OF LEFT- AND RIGHT-BANK PAIRS OF STAFF GAGES USED IN THE SLOPE REGRESSIONS ARE 3, 5, 9, 13, AND 17 RESPECTIVELY.
(3) REACH LENGTHS ARE EXPRESSED IN TERMS OF EQUIVALENT CHANNEL WIDTHS; CHANNEL WIDTH AVERAGES ABOUT 18.5 METERS.
(4) NO OBSERVATIONS OF WATER LEVEL WERE MADE UPSTREAM OF THIS SECTION AND PROHIBITS COMPUTATIONS OF SLOPE FOR ANY SLOPE REACH CENTERED AT SECTION 1830.
(5) VALUES OF SLOPE SHOWN IN THIS COLUMN ARE COMPUTED FOR SECTION 1815 RATHER THAN FOR SECTION 1830.

TABLE 93.- SUMMARY OF SUSPENDED-SEDIMENT DATA AT SECTION 0000, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	WATER LEVEL(1) (M)	TOTAL DISCHARGE (M^3/S)	WATER TEMPERATURE (°C)	CONCENTRATION (MG/L)	PERCENT FINER THAN 0.062MM
5-15	1200	5.445	2.91	6.0	8	93
5-16	1505	5.420	2.61	10.5	3	95
5-18	1220	5.510	3.74	6.0	13	82
5-21	1330	5.800	8.50	--	76	45
5-22	1545	6.130	15.8	8.5	103	48
5-23	1610	6.505	26.4	8.0	169	16
5-26	1600	5.820	8.88	6.0	27	59
5-28	1225	5.625	5.43	6.5	10	71
6-09	1150	6.035	13.5	8.5	90	49
6-10	1230	6.265	19.3	9.0	95	33
6-11	1705	6.510	26.5	13.0	78	20
6-12	1700	6.630	30.4	11.0	39	29
6-13	1315	6.575	28.6	9.0	30	17
6-14	1700	6.450	24.7	10.0	32	36
6-15	1715	6.260	19.2	6.0	38	48
6-16	1220	5.940	11.4	8.5	35	53
6-18	1150	6.215	18.0	10.5	62	51

(1) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.

TABLE 94.- SUMMARY OF SUSPENDED-SEDIMENT DATA AT SECTION 2505, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	WATER LEVEL(1) (M)	EFFECTIVE DISCHARGE(2) (M^3/S)	WATER TEMPERATURE (°C)	CONCENTRATION (MG/L)	PERCENT FINER THAN 0.062MM
5-15	1110	7.290	2.81	5.5	8	78
5-16	1445	7.255	2.45	10.0	7	83
5-18	1115	7.375	3.78	6.0	15	74
5-21	1305	7.685	8.49	--	46	61
5-22	1440	8.035	15.9	--	86	28
5-28	1030	7.505	5.54	6.5	13	74
6-09	1015	7.980	14.6	7.5	92	33
6-10	1045	8.180	19.6	7.5	333*	9
6-11	1155	8.315	23.4	9.5	88	18
6-12	1100	8.385	25.4	8.0	65	21
6-13	0950	8.330	23.8	7.0	25	43
6-14	0945	8.290	22.6	7.5	36	44
6-15	1030	8.205	20.3		26	45
6-16	1100	7.865	12.0	7.5	14	58

(1) ADD 2150 METERS TO OBTAIN WATER-SURFACE ELEVATION ABOVE NGVD.
(2) EFFECTIVE DISCHARGE AT SECTION; DOES NOT INCLUDE OVERBANK FLOW.
* SAMPLE CONTAINED COARSE SAND AND MAY BE IN ERROR.

TABLE 95.- SUMMARY OF SCALE READINGS OF DRY MASS, IN GRAMS, OF SAMPLES COLLECTED WITH THE HELLEY-SMITH BEDLOAD SAMPLER AT GIVEN SECTION, EAST FORK RIVER, WYOMING, 1980

	SECTION													
DATE(1)	0043	0075	0137	0178	0220	0257	0301	0348	0421	0460	0516	0556	0602	0653
5-14	153	63	824	318	136	102	323	1780	1411	114	463	174	582	157
5-16	59	161	225	335	144	119	123	1385	242	233	238	12	136	148
5-19	75	346	56	1172	512	697	1905	719	777	104	104	272	1010	168
5-21	54	1581	113	430	5907	3491	1771	1217	612	153	3254	1800	1054	153
5-22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	371	51	1360	2416	871	183	208	471	3173	1436	1122	840	1299	393
5-27	84	127	1794	677	83	113	469	1591	896	39	45	58	167	490
5-28	28	127	135	446	673	42	701	1893	561	190	177	207	112	108
5-29	--	237	--	--	--	--	583	--	--	--	--	--	--	--
5-30	5	19	99	470	150	74	716	1540	277	16	40	62	474	83
6- 1	81	1907	41	521	44	90	76	872	563	25	17	77	56	372
6- 3	0	900	73	18	67	697	1319	407	384	10	5	53	162	439
6- 5	0	283	1	689	569	1516	334	701	88	24	20	93	921	490
6- 7	11	742	588	1624	758	645	360	214	376	43	43	103	1320	2330
6- 9	303	1650	1099	2378	4213	3746	2995	1115	958	2147	3573	5100	5772	3829
6-10	3071	3128	1907	6609	6882	6120	5452	1871	4946	6109	5818	5747	4232	15945
6-11	3889	1416	1139	4736	5759	2534	5841	2607	4213	8821	7741	2973	5076	3692
6-12	2659	2786	517	1694	3938	4205	1829	218	2586	7919	4199	9117	2863	614
6-13	1640	1735	1648	5416	4401	3824	4066	1290	5444	3616	2145	3194	3764	451
6-14	1030	1897	3009	3955	5374	2480	3496	6797	4647	4080	8738	3427	2492	447
6-15	984	651	2497	3251	241	2958	2049	3560	4002	2730	2323	1217	1838	655
6-16	--	--	--	--	--	799	1134	1007	3030	--	--	--	--	--
6-17	383	900	3116	1273	946	1076	2169	4184	3022	952	739	1354	2006	2105
6-18	320	1969	3204	3439	3574	3165	4059	7815	1824	1870	3247	3937	1637	3773
6-19	1123	2818	2346	3696	6082	5537	1949	5678	1450	2636	4233	2389	5043	4034
6-20	271	5583	2042	5907	6450	7384	1432	2601	2879	2850	3247	5650	7174	2293
6-21	764	4777	3752	5074	3627	3252	3258	2274	9086	4894	3537	2083	2827	2757
6-22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	585	1409	2398	4771	1357	1826	2336	1858	1446	1697	1833	3676	3194	1278
6-25	1008	1558	3614	1510	3244	3077	1511	3862	3306	1719	2312	872	4332	1916
6-27	486	2302	4050	3035	1327	4660	3067	2790	1800	2173	1577	2150	1490	2216
6-29	--	--	--	--	--	--	--	2728	--	--	--	--	--	--
7- 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7- 3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7- 5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7- 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 95.- SUMMARY OF SCALE READINGS OF DRY MASS, IN GRAMS, OF SAMPLES COLLECTED WITH THE HELLEY-SMITH BEDLOAD SAMPLER AT GIVEN SECTION, EAST FORK RIVER, WYOMING, 1980-CONTINUED

	SECTION													
DATE(1)	0708	0757	0808	0853	0898	0940	0985	1038	1077	1120	1155	1202	1241	1284
5-14	446	178	612	195	102	174	565	233	501	170	89	327	437	1508
5-16	841	450	573	284	114	412	344	153	488	72	17	323	909	3816
5-19	395	463	894	459	201	113	323	700	141	273	73	251	359	1486
5-21	3726	613	314	827	231	1047	2789	3041	1036	3540	2437	2833	1312	1193
5-22	--	--	--	--	--	--	--	2365	6690	5579	2980	6017	3206	1704
5-24	--	--	--	--	--	--	--	4864	2093	2052	2253	1764	510	763
5-26	513	6427	3784	2765	1516	3564	3289	--	--	--	--	--	--	--
5-27	215	3063	2359	833	1853	1729	73	117	65	300	25	402	55	1458
5-28	288	1324	2445	1822	251	803	105	18	247	273	51	113	170	1247
5-29	422	--	--	--	--	43	--	--	--	--	--	--	660	--
5-30	88	1695	1203	550	290	89	10	26	93	103	52	35	101	1345
6- 1	39	1578	573	242	332	108	5	5	4	77	46	102	1777	1178
6- 3	909	448	196	217	46	73	39	17	368	84	87	419	452	741
6- 5	702	384	292	4	46	73	19	0	443	90	23	1372	759	944
6- 7	1550	501	119	170	34	134	50	0	861	1350	341	1767	1177	969
6- 9	3638	716	443	322	203	555	1844	1865	6846	6294	2849	7316	1501	2293
6-10	7438	68	729	847	433	714	5658	6433	5685	5354	4178	4322	690	1906
6-11	1025	320	647	2219	180	5613	3740	7545	7024	2110	1008	1659	945	878
6-12	583	2425	1683	6894	1483	6831	4763	12298	5954	1473	776	907	324	374
6-13	1330	1014	2369	6088	1924	5258	8302	1950	4795	537	526	729	308	469
6-14	2343	3202	7610	5264	6872	2459	7532	2923	3167	1581	2043	2204	1093	897
6-15	862	1515	3409	1825	408	2313	3829	238	1830	2074	957	917	1350	2968
6-16	884	3208	5614	4439	--	--	--	--	--	--	--	--	301	1347
6-17	1457	5436	5681	3922	3645	1205	954	468	1193	1501	659	1171	1431	6907
6-18	3737	6123	3107	3082	2807	1785	3865	1679	3263	4292	2916	1103	3603	2816
6-19	3122	2003	1578	3537	1207	1143	1696	249	4561	2789	3706	4168	1291	2730
6-20	10381	2586	6033	628	5562	1735	1955	1361	5961	3904	1301	2102	2036	1812
6-21	1174	1847	2640	1390	245	6300	10233	2079	2481	2718	2023	4380	6117	1451
6-22	--	--	2334	3195	170	2855	2284	1187	--	--	--	--	--	--
6-23	997	1505	703	1491	1841	3197	3294	2267	5700	2504	1384	2561	453	2428
6-25	721	2895	2893	711	585	1877	2383	809	878	2506	629	5151	5094	2304
6-27	2107	1785	2869	2440	737	1569	2130	2291	2988	4237	3473	2402	1604	3244
6-29	--	--	2692	--	--	--	--	--	--	--	--	--	--	--
7- 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7- 3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7- 5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7- 7	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 95.- SUMMARY OF SCALE READINGS OF DRY MASS, IN GRAMS, OF SAMPLES COLLECTED WITH THE HELLEY-SMITH BEDLOAD SAMPLER AT GIVEN SECTION, EAST FORK RIVER, WYOMING, 1980-CONTINUED

	SECTION													
DATE(1)	1315	1360	1396	1425	1481	1533	1573	1610	1662	1695	1730	1766	1800	1830
5-14	2112	820	412	620	59	161	89	267	416	556	204	208	765	497
5-16	803	114	331	55	17	72	0	25	199	191	42	505	1300	131
5-19	351	255	318	500	320	22	109	312	282	158	411	1355	152	249
5-21	374	234	1203	441	506	256	223	1752	677	3356	1942	1588	420	533
5-22	684	1905	941	1354	2790	2210	5885	4024	1722	5239	3183	3584	1243	2592
5-24	1499	2592	2932	2751	3171	1455	3327	2137	5059	6225	2906	6386	2871	5459
5-26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	1262	403	594	517	436	1139	1057	189	1077	201	467	151	866	427
5-28	99	1129	526	676	295	1385	102	1153	910	403	32	78	1008	289
5-29	--	--	--	--	--	--	--	--	--	--	--	17	--	--
5-30	1205	724	398	85	436	249	471	76	365	67	18	15	132	116
6- 1	1241	31	178	793	187	452	93	286	144	22	0	74	575	27
6- 3	217	235	472	193	235	168	109	161	280	25	23	354	91	15
6- 5	98	147	407	209	197	520	45	91	96	50	8	349	385	12
6- 7	249	535	532	935	389	341	59	1081	393	300	922	630	514	83
6- 9	483	2152	1596	1724	2533	978	2506	2704	3919	3922	1693	1104	1354	2040
6-10	2801	2069	3108	2213	5977	4667	2397	7134	1830	4128	2532	6609	3791	5918
6-11	4061	1877	1894	1124	3105	1342	1189	4061	490	3101	8764	6272	6242	1623
6-12	842	789	838	552	1023	1314	4091	1591	2588	2956	1893	5793	3692	3014
6-13	846	2059	1868	1343	2127	3559	3487	1856	1221	2864	2690	1769	2782	706
6-14	2194	1794	3674	2404	3764	3553	5132	2861	1830	7795	3679	3873	1616	2159
6-15	2767	6456	4454	2819	3502	2658	1504	3502	1372	6607	1568	4197	1843	5217
6-16	3102	1662	2020	765	1007	--	--	--	--	--	--	--	--	--
6-17	5089	1640	1803	1229	1031	2072	5587	4084	3344	2172	1568	1338	1908	661
6-18	2402	1318	2312	1606	4228	4218	3199	2442	3394	1774	4988	2494	3679	2528
6-19	2294	2623	2146	1205	2491	743	1358	1694	3121	8145	4585	4630	2045	4246
6-20	2347	742	783	719	2746	1383	4269	1253	1823	8676	5776	4529	3961	4132
6-21	2829	3876	3478	2851	2261	2031	3338	2001	3246	5780	1653	3319	3071	3768
6-22	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	3314	1173	1662	1166	1241	1253	1848	1393	2408	4387	1698	2870	4646	4215
6-25	6605	916	752	477	1563	1755	2191	553	2133	2589	1300	2131	4199	4124
6-27	2276	1900	2803	1694	2588	3066	2556	1602	2454	1937	2285	1767	2148	2146
6-29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7- 1	--	--	--	--	--	--	--	1660	--	--	--	--	--	--
7- 3	--	--	--	--	--	1043	--	--	--	--	--	--	--	--
7- 5	--	--	--	--	--	1246	269	374	--	--	--	--	--	--
7- 7	--	--	--	--	--	80	392	6	--	--	--	--	--	--

(1) TIMES OF SAMPLE COLLECTIONS GIVEN IN TABLES 7-48 AND 98-139.

TABLE 96.- SUMMARY OF BEDLOAD-TRANSPORT RATES AT GIVEN SECTION, EAST FORK RIVER, WYOMING, 1980

DRY MASS PER UNIT TIME, IN KILOGRAMS PER SECOND

	SECTION													
DATE(1)	0043	0075	0137	0178	0220	0257	0301	0348	0421	0460	0516	0556	0602	0653
5-14	0.067	0.028	0.360	0.139	0.059	0.045	0.141	0.779	0.617	0.050	0.203	0.076	0.255	0.069
5-16	.026	.070	.098	.147	.063	.052	.054	.606	.106	.102	.104	.005	.059	.065
5-19	.033	.151	.024	.513	.224	.305	.833	.315	.340	.045	.045	.119	.442	.073
5-21	.024	.692	.049	.188	2.584	1.527	.775	.532	.268	.067	1.424	.787	.461	.067
5-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-26	.162	.022	.595	1.057	.381	.080	.091	.206	1.388	.628	.491	.367	.568	.172
5-27	.037	.056	.785	.296	.036	.049	.205	.696	.392	.017	.020	.025	.073	.214
5-28	.012	.056	.059	.195	.294	.018	.307	.828	.245	.083	.077	.091	.049	.047
5-30	.002	.008	.043	.206	.066	.032	.313	.674	.121	.007	.017	.027	.207	.036
6- 1	.035	.834	.018	.228	.019	.039	.033	.381	.246	.011	.007	.034	.024	.163
6- 3	.000	.394	.032	.008	.029	.305	.577	.178	.168	.004	.002	.023	.071	.192
6- 5	.000	.124	.000	.301	.249	.663	.146	.307	.038	.010	.009	.041	.403	.214
6- 7	.005	.325	.257	.710	.332	.282	.157	.094	.164	.019	.019	.045	.577	1.019
6- 9	.133	.722	.481	1.040	1.843	1.639	1.310	.488	.419	.939	1.563	2.231	2.525	1.675
6-10	1.344	1.368	.834	2.891	3.011	2.677	2.385	.819	2.164	2.673	2.545	2.514	1.851	6.976
6-11	1.701	.619	.498	2.072	2.520	1.109	2.555	1.141	1.843	3.859	3.387	1.301	2.221	1.615
6-12	1.163	1.219	.226	.741	1.723	1.840	.800	.095	1.131	3.465	1.837	3.989	1.253	.269
6-13	.717	.759	.721	2.369	1.925	1.673	1.779	.564	2.382	1.582	.938	1.397	1.647	.197
6-14	.451	.830	1.316	1.730	2.351	1.085	1.529	2.974	2.033	1.785	3.823	1.499	1.090	.196
6-15	.430	.285	1.092	1.422	.105	1.294	.896	1.557	1.751	1.194	1.016	.532	.804	.287
6-17	.168	.394	1.363	.557	.414	.471	.949	1.830	1.322	.416	.323	.592	.878	.921
6-18	.140	.861	1.402	1.505	1.564	1.385	1.776	3.419	.798	.818	1.421	1.722	.716	1.651
6-19	.491	1.233	1.026	1.617	2.661	2.422	.853	2.484	.634	1.153	1.852	1.045	2.206	1.765
6-20	.119	2.443	.893	2.584	2.822	3.230	.626	1.138	1.260	1.247	1.421	2.472	3.139	1.003
6-21	.334	2.090	1.641	2.220	1.587	1.423	1.425	.995	3.975	2.141	1.547	.911	1.237	1.206
6-23	.256	.616	1.049	2.087	.594	.799	1.022	.813	.633	.742	.802	1.608	1.397	.559
6-25	.441	.682	1.581	.661	1.419	1.346	.661	1.690	1.446	.752	1.011	.381	1.895	.838
6-27	.213	1.007	1.772	1.328	.581	2.039	1.342	1.221	.787	.951	.690	.941	.652	.969

POWER PER UNIT LENGTH OF CHANNEL, IN WATTS PER METER
(FORCE PER UNIT TIME, IN NEWTONS PER SECOND)

	SECTION													
DATE(1)	0043	0075	0137	0178	0220	0257	0301	0348	0421	0460	0516	0556	0602	0653
5-14	0.409	0.168	2.201	0.849	0.363	0.272	0.863	4.755	3.769	0.305	1.237	0.465	1.555	0.419
5-16	.158	.430	.601	.895	.385	.318	.329	3.700	.646	.622	.636	.032	.363	.395
5-19	.200	.924	.150	3.131	1.368	1.862	5.089	1.921	2.076	.278	.278	.727	2.698	.449
5-21	.144	4.223	.302	1.149	15.780	9.326	4.731	3.251	1.635	.409	8.693	4.808	2.816	.409
5-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-26	.991	.136	3.633	6.454	2.327	.489	.556	1.258	8.476	3.836	2.997	2.244	3.470	1.050
5-27	.224	.339	4.792	1.809	.222	.302	1.253	4.250	2.394	.104	.120	.155	.446	1.309
5-28	.075	.339	.361	1.191	1.798	.112	1.873	5.057	1.499	.508	.473	.553	.299	.289
5-30	.013	.051	.264	1.256	.401	.198	1.913	4.114	.740	.043	.107	.166	1.266	.222
6- 1	.216	5.094	.110	1.392	.118	.240	.203	2.329	1.504	.067	.045	.206	.150	.994
6- 3	.000	2.404	.195	.048	.179	1.862	3.524	1.087	1.026	.027	.013	.142	.433	1.173
6- 5	.000	.756	.003	1.841	1.520	4.050	.892	1.873	.235	.064	.053	.248	2.460	1.309
6- 7	.029	1.982	1.571	4.338	2.025	1.723	.962	.572	1.004	.115	.115	.275	3.526	6.224
6- 9	.809	4.408	2.936	6.352	11.254	10.007	8.001	2.979	2.559	5.735	9.545	13.624	15.419	10.229
6-10	8.204	8.356	5.094	17.655	18.384	16.349	14.564	4.998	13.213	16.319	15.542	15.352	11.305	42.595
6-11	10.389	3.783	3.043	12.652	15.384	6.769	15.603	6.964	11.254	23.564	20.679	7.942	13.560	9.863
6-12	7.103	7.442	1.381	4.525	10.520	11.233	4.886	.582	6.908	21.154	11.217	24.355	7.648	1.640
6-13	4.381	4.635	4.402	14.468	11.757	10.215	10.862	3.446	14.543	9.660	5.730	8.532	10.065	1.205
6-14	2.751	5.068	8.038	10.565	14.356	6.625	9.339	18.157	12.414	10.899	23.342	9.155	6.657	1.194
6-15	2.629	1.739	6.670	8.685	.644	7.902	5.474	9.510	10.691	7.293	6.206	3.251	4.910	1.750
6-17	1.023	2.404	8.324	3.401	2.527	2.874	5.794	11.177	8.073	2.543	1.974	3.617	5.359	5.623
6-18	.855	5.260	8.559	9.187	9.547	8.455	10.843	20.877	4.873	4.995	8.674	10.517	4.373	10.079
6-19	3.000	7.528	6.267	9.873	16.247	14.791	5.206	15.168	3.873	7.042	11.308	6.382	13.472	10.776
6-20	.724	14.914	5.455	15.780	17.230	19.725	3.825	6.948	7.691	7.613	8.674	15.093	19.164	6.125
6-21	2.041	12.761	10.023	13.554	9.689	8.687	8.703	6.075	24.272	13.074	9.449	5.564	7.552	7.365
6-23	1.563	3.764	6.406	12.745	3.625	4.878	6.240	4.963	3.863	4.533	4.897	9.820	8.532	3.414
6-25	2.693	4.162	9.654	4.034	8.666	8.220	4.036	10.317	8.832	4.592	6.176	2.329	11.572	5.118
6-27	1.298	6.149	10.819	8.108	3.545	12.449	8.193	7.453	4.808	5.805	4.213	5.743	3.980	5.920

TABLE 96.- SUMMARY OF BEDLOAD-TRANSPORT RATES AT GIVEN SECTION, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DRY MASS PER UNIT TIME, IN KILOGRAMS PER SECOND

	SECTION													
DATE(1)	0708	0757	0808	0853	0898	0940	0985	1038	1077	1120	1155	1202	1241	1284
5-14	0.195	0.078	0.268	0.085	0.045	0.076	0.247	0.102	0.219	0.074	0.039	0.143	0.191	0.660
5-16	.368	.197	.251	.124	.050	.180	.150	.067	.213	.031	.007	.141	.398	1.669
5-19	.173	.203	.391	.201	.088	.049	.141	.306	.062	.119	.032	.110	.157	.650
5-21	1.630	.268	.137	.362	.101	.458	1.220	1.330	.453	1.549	1.066	1.239	.574	.522
5-22	---	---	---	---	---	---	---	1.035	2.927	2.441	1.304	2.632	1.403	.745
5-24	---	---	---	---	---	---	---	2.128	.916	.898	.986	.772	.223	.334
5-26	.224	2.812	1.655	1.210	.663	1.559	1.439	---	---	---	---	---	---	---
5-27	.094	1.340	1.032	.364	.811	.756	.032	.051	.028	.131	.011	.176	.024	.638
5-28	.126	.579	1.070	.797	.110	.351	.046	.008	.108	.119	.022	.049	.074	.546
5-30	.038	.742	.526	.241	.127	.039	.004	.011	.041	.045	.023	.015	.044	.588
6- 1	.017	.690	.251	.106	.145	.047	.002	.002	.002	.034	.020	.045	.777	.515
6- 3	.398	.196	.086	.095	.020	.032	.017	.007	.161	.037	.038	.183	.198	.324
6- 5	.307	.168	.128	.002	.020	.032	.008	.000	.194	.039	.010	.600	.332	.413
6- 7	.678	.219	.052	.074	.015	.059	.022	.000	.377	.591	.149	.773	.515	.424
6- 9	1.592	.313	.194	.141	.089	.243	.807	.816	2.995	2.754	1.246	3.201	.657	1.003
6-10	3.254	.030	.319	.371	.189	.312	2.475	2.814	2.487	2.342	1.828	1.891	.302	.834
6-11	.448	.140	.283	.971	.079	2.456	1.636	3.301	3.073	.923	.441	.726	.413	.384
6-12	.255	1.061	.736	3.016	.649	2.989	2.084	5.380	2.605	.644	.339	.397	.142	.164
6-13	.582	.444	1.036	2.663	.842	2.300	3.632	.853	2.098	.235	.230	.319	.135	.205
6-14	1.025	1.401	3.329	2.303	3.006	1.076	3.295	1.279	1.386	.692	.894	.964	.478	.392
6-15	.377	.663	1.491	.798	.178	1.012	1.675	.104	.801	.907	.419	.401	.591	1.298
6-17	.637	2.378	2.485	1.716	1.595	.527	.417	.205	.522	.657	.288	.512	.626	3.022
6-18	1.635	2.679	1.359	1.348	1.228	.781	1.691	.735	1.428	1.878	1.276	.483	1.576	1.232
6-19	1.366	.876	.690	1.547	.528	.500	.742	.109	1.995	1.220	1.621	1.823	.565	1.194
6-20	4.542	1.131	2.639	.275	2.433	.759	.855	.595	2.608	1.708	.569	.920	.891	.793
6-21	.514	.808	1.155	.608	.107	2.756	4.477	.910	1.085	1.189	.885	1.916	2.676	.635
6-23	.436	.658	.308	.652	.805	1.399	1.441	.992	2.494	1.095	.605	1.120	.198	1.062
6-25	.315	1.267	1.266	.311	.256	.821	1.043	.354	.384	1.096	.275	2.254	2.229	1.008
6-27	.922	.781	1.255	1.067	.322	.686	.932	1.002	1.307	1.854	1.519	1.051	.702	1.419

POWER PER UNIT LENGTH OF CHANNEL, IN WATTS PER METER (FORCE PER UNIT TIME, IN NEWTONS PER SECOND)

	SECTION													
DATE(1)	0708	0757	0808	0853	0898	0940	0985	1038	1077	1120	1155	1202	1241	1284
5-14	1.191	0.476	1.635	0.521	0.272	0.465	1.509	0.622	1.338	0.454	0.238	0.874	1.167	4.028
5-16	2.247	1.202	1.531	.759	.305	1.101	.919	.409	1.304	.192	.045	.863	2.428	10.194
5-19	1.055	1.237	2.388	1.226	.537	.302	.863	1.870	.377	.729	.195	.671	.959	3.970
5-21	9.953	1.638	.839	2.209	.617	2.797	7.450	8.124	2.768	9.457	6.510	7.568	3.505	3.187
5-22	---	---	---	---	---	---	---	6.318	17.871	14.903	7.961	16.074	8.564	4.552
5-24	---	---	---	---	---	---	---	12.993	5.591	5.482	6.019	4.712	1.362	2.038
5-26	1.370	17.169	10.108	7.386	4.050	9.521	8.786	---	---	---	---	---	---	---
5-27	.574	8.182	6.302	2.225	4.950	4.619	.195	.313	.174	.801	.067	1.074	.147	3.895
5-28	.769	3.537	6.531	4.867	.671	2.145	.280	.048	.660	.729	.136	.302	.454	3.331
5-30	.235	4.528	3.214	1.469	.775	.238	.027	.069	.248	.275	.139	.093	.270	3.593
6- 1	.104	4.215	1.531	.646	.887	.289	.013	.013	.011	.206	.123	.272	4.747	3.147
6- 3	2.428	1.197	.524	.580	.123	.195	.104	.045	.983	.224	.232	1.119	1.207	1.979
6- 5	1.875	1.026	.780	.011	.123	.195	.051	.000	1.183	.240	.061	3.665	2.028	2.522
6- 7	4.141	1.338	.318	.454	.091	.358	.134	.000	2.300	3.606	.911	4.720	3.144	2.589
6- 9	9.718	1.913	1.183	.860	.542	1.483	4.926	4.982	18.288	16.814	7.611	19.544	4.010	6.125
6-10	19.870	.182	1.947	2.263	1.157	1.907	15.115	17.185	15.187	14.302	11.161	11.546	1.843	5.092
6-11	2.738	.855	1.728	5.928	.481	14.994	9.991	20.155	18.764	5.637	2.693	4.432	2.524	2.345
6-12	1.557	6.478	4.496	18.416	3.962	18.248	12.724	32.852	15.905	3.935	2.073	2.423	.866	.999
6-13	3.553	2.709	6.328	16.263	5.140	14.046	22.178	5.209	12.809	1.435	1.405	1.947	.823	1.253
6-14	6.259	8.554	20.329	14.062	18.358	6.569	20.121	7.808	8.460	4.223	5.458	5.888	2.920	2.396
6-15	2.303	4.047	9.107	4.875	1.090	6.179	10.229	.636	4.889	5.540	2.556	2.450	3.606	7.929
6-17	3.892	14.521	15.176	10.477	9.737	3.219	2.548	1.250	3.187	4.010	1.760	3.128	3.823	18.451
6-18	9.983	16.367	8.300	8.233	7.498	4.768	10.325	4.485	8.717	11.465	7.790	2.947	9.625	7.523
6-19	8.340	5.351	4.215	9.449	3.224	3.053	4.531	.665	12.184	7.450	9.900	11.134	3.449	7.293
6-20	27.731	6.908	16.116	1.678	14.858	4.635	5.223	3.636	15.924	10.429	3.475	5.615	5.439	4.840
6-21	3.136	4.934	7.052	3.713	.654	16.830	27.336	5.554	6.628	7.261	5.404	11.701	16.341	3.876
6-23	2.663	4.020	1.878	3.983	4.918	8.540	8.799	6.056	15.227	6.689	3.697	6.841	1.210	6.486
6-25	1.926	7.734	7.728	1.899	1.563	5.014	6.366	2.161	2.345	6.694	1.680	13.760	13.608	6.155
6-27	5.629	4.768	7.664	6.518	1.969	4.191	5.690	6.120	7.982	11.319	9.278	6.417	4.285	8.666

TABLE 96.- SUMMARY OF BEDLOAD-TRANSPORT RATES AT GIVEN SECTION, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DRY MASS PER UNIT TIME, IN KILOGRAMS PER SECOND

	SECTION													
DATE(1)	1315	1360	1396	1425	1481	1533	1573	1610	1662	1695	1730	1766	1800	1830
5-14	0.924	0.359	0.180	0.271	0.026	0.070	0.039	0.117	0.182	0.243	0.089	0.091	0.335	0.217
5-16	.351	.050	.145	.024	.007	.031	.000	.011	.087	.084	.018	.221	.569	.057
5-19	.154	.112	.139	.219	.140	.010	.048	.136	.123	.069	.180	.593	.066	.109
5-21	.164	.102	.526	.193	.221	.112	.098	.766	.296	1.468	.850	.695	.184	.233
5-22	.299	.833	.412	.592	1.221	.967	2.575	1.760	.753	2.292	1.393	1.568	.544	1.134
5-24	.656	1.134	1.283	1.204	1.387	.637	1.456	.935	2.213	2.723	1.271	2.794	1.256	2.388
5-26	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-27	.552	.176	.260	.226	.191	.498	.462	.083	.471	.088	.204	.066	.379	.187
5-28	.043	.494	.230	.296	.129	.606	.045	.504	.398	.176	.014	.034	.441	.126
5-30	.527	.317	.174	.037	.191	.109	.206	.033	.160	.029	.008	.007	.058	.051
6- 1	.543	.014	.078	.347	.082	.198	.041	.125	.063	.010	.000	.032	.252	.012
6- 3	.095	.103	.206	.084	.103	.073	.048	.070	.122	.011	.010	.155	.040	.007
6- 5	.043	.064	.178	.091	.086	.227	.020	.040	.042	.022	.003	.153	.168	.005
6- 7	.109	.234	.233	.409	.170	.149	.026	.473	.172	.131	.403	.276	.225	.036
6- 9	.211	.941	.698	.754	1.108	.428	1.096	1.183	1.715	1.716	.741	.483	.592	.892
6-10	1.225	.905	1.360	.968	2.615	2.042	1.049	3.121	.801	1.806	1.108	2.891	1.659	2.589
6-11	1.777	.821	.829	.492	1.358	.587	.520	1.777	.214	1.357	3.834	2.744	2.731	.710
6-12	.368	.345	.367	.241	.448	.575	1.790	.696	1.132	1.293	.828	2.534	1.615	1.319
6-13	.370	.901	.817	.588	.931	1.557	1.526	.812	.534	1.253	1.177	.774	1.217	.309
6-14	.960	.785	1.607	1.052	1.647	1.554	2.245	1.252	.801	3.410	1.610	1.694	.707	.945
6-15	1.211	2.824	1.949	1.233	1.532	1.163	.658	1.532	.600	2.891	.686	1.836	.806	2.282
6-17	2.226	.717	.789	.538	.451	.906	2.444	1.787	1.463	.950	.686	.585	.835	.289
6-18	1.051	.577	1.011	.703	1.850	1.845	1.400	1.068	1.485	.776	2.182	1.091	1.610	1.106
6-19	1.004	1.148	.939	.527	1.090	.325	.594	.741	1.365	3.563	2.006	2.026	.895	1.858
6-20	1.027	.325	.343	.315	1.201	.605	1.868	.548	.798	3.796	2.527	1.981	1.733	1.808
6-21	1.238	1.696	1.522	1.247	.989	.889	1.460	.875	1.420	2.529	.723	1.452	1.344	1.648
6-23	1.450	.513	.727	.510	.543	.548	.808	.609	1.053	1.919	.743	1.256	2.033	1.844
6-25	2.890	.401	.329	.209	.684	.768	.959	.242	.933	1.133	.569	.932	1.837	1.804
6-27	.996	.831	1.226	.741	1.132	1.341	1.118	.701	1.074	.847	1.000	.773	.940	.939

POWER PER UNIT LENGTH OF CHANNEL, IN WATTS PER METER (FORCE PER UNIT TIME, IN NEWTONS PER SECOND)

	SECTION													
DATE(1)	1315	1360	1396	1425	1481	1533	1573	1610	1662	1695	1730	1766	1800	1830
5-14	5.642	2.191	1.101	1.656	0.158	0.430	0.238	0.713	1.111	1.485	0.545	0.556	2.044	1.328
5-16	2.145	.305	.884	.147	.045	.192	.000	.067	.532	.510	.112	1.349	3.473	.350
5-19	.938	.681	.849	1.336	.855	.059	.291	.833	.753	.422	1.098	3.620	.406	.665
5-21	.999	.625	3.214	1.178	1.352	.684	.596	4.680	1.809	8.965	5.188	4.242	1.122	1.424
5-22	1.827	5.089	2.514	3.617	7.453	5.904	15.721	10.750	4.600	13.995	8.503	9.574	3.320	6.924
5-24	4.004	6.924	7.832	7.349	8.471	3.887	8.888	5.709	13.514	16.629	7.763	17.059	7.669	14.583
5-26	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-27	3.371	1.077	1.587	1.381	1.165	3.043	2.824	.505	2.877	.537	1.248	.403	2.313	1.141
5-28	.264	3.016	1.405	1.806	.788	3.700	.272	3.080	2.431	1.077	.085	.208	2.693	.772
5-30	3.219	1.934	1.063	.227	1.165	.665	1.258	.203	.975	.179	.048	.040	.353	.310
6- 1	3.315	.083	.476	2.118	.500	1.207	.248	.764	.385	.059	.000	.198	1.536	.072
6- 3	.580	.628	1.261	.516	.628	.449	.291	.430	.748	.067	.061	.946	.243	.040
6- 5	.262	.393	1.087	.558	.526	1.389	.120	.243	.256	.134	.021	.932	1.028	.032
6- 7	.665	1.429	1.421	2.498	1.039	.911	.158	2.888	1.050	.801	2.463	1.683	1.373	.222
6- 9	1.290	5.749	4.263	4.605	6.767	2.613	6.694	7.223	10.469	10.477	4.523	2.949	3.617	5.450
6-10	7.482	5.527	8.303	5.912	15.967	12.467	6.403	19.057	4.889	11.027	6.764	17.655	10.127	15.809
6-11	10.848	5.014	5.060	3.003	8.295	3.585	3.176	10.848	1.309	8.284	23.412	16.755	16.675	4.336
6-12	2.249	2.108	2.239	1.475	2.733	3.510	10.929	4.250	6.913	7.897	5.057	15.475	9.863	8.051
6-13	2.260	5.500	4.990	3.588	5.682	9.507	9.315	4.958	3.262	7.651	7.186	4.726	7.432	1.886
6-14	5.861	4.792	9.815	6.422	10.055	9.491	13.709	7.643	4.889	20.823	9.828	10.346	4.317	5.767
6-15	7.392	17.246	11.898	7.531	9.355	7.100	4.018	9.355	3.665	17.650	4.189	11.212	4.923	13.936
6-17	13.595	4.381	4.816	3.283	2.754	5.535	14.925	10.910	8.933	5.802	4.189	3.574	5.097	1.766
6-18	6.417	3.521	6.176	4.290	11.294	11.268	8.546	6.523	9.067	4.739	13.325	6.662	9.828	6.753
6-19	6.128	7.007	5.733	3.219	6.654	1.985	3.628	4.525	8.337	21.758	12.248	12.368	5.463	11.343
6-20	6.270	1.982	2.092	1.921	7.336	3.694	11.404	3.347	4.870	23.177	15.430	12.099	10.581	11.038
6-21	7.557	10.354	9.291	7.616	6.040	5.426	8.917	5.345	8.671	15.440	4.416	8.866	8.204	10.066
6-23	8.853	3.134	4.440	3.115	3.315	3.347	4.937	3.721	6.433	11.719	4.536	7.667	12.411	11.260
6-25	17.644	2.447	2.009	1.274	4.175	4.688	5.853	1.477	5.698	6.916	3.473	5.693	11.217	11.017
6-27	6.080	5.076	7.488	4.525	6.913	8.190	6.828	4.280	6.556	5.174	6.104	4.720	5.738	5.733

(1) TIMES OF SAMPLE COLLECTIONS GIVEN IN TABLES 7-48 AND 98-139.

TABLE 97.- SUMMARY OF BEDLOAD-TRANSPORT RATES, THREE-SECTION AVERAGE OF GIVEN SECTION AND NEXT DOWNSTREAM AND UPSTREAM SECTIONS, EAST FORK RIVER, WYOMING, 1980

DRY MASS PER UNIT TIME, IN KILOGRAMS PER SECOND

	SECTION													
DATE(1)	0043	0075	0137	0178	0220	0257	0301	0348	0421	0460	0516	0556	0602	0653
5-14	0.047*	0.152	0.176	0.186	0.081	0.082	0.322	0.512	0.482	0.290	0.110	0.178	0.133	0.173
5-16	.048*	.065	.105	.103	.087	.056	.237	.255	.271	.104	.070	.056	.043	.164
5-19	.092*	.070	.230	.254	.347	.454	.484	.496	.233	.144	.070	.202	.211	.229
5-21	.358*	.255	.310	.941	1.433	1.629	.945	.525	.289	.586	.759	.891	.439	.719
5-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-26	.092*	.260	.558	.678	.506	.184	.126	.562	.741	.836	.496	.476	.369	.322
5-27	.046*	.292	.379	.372	.127	.097	.317	.431	.368	.143	.021	.039	.104	.127
5-28	.034*	.042	.103	.183	.169	.206	.384	.460	.386	.135	.084	.072	.062	.074
5-30	.005*	.018	.086	.105	.101	.137	.340	.369	.267	.049	.017	.084	.090	.094
6- 1	.435*	.296	.360	.088	.096	.031	.151	.220	.213	.088	.017	.022	.074	.068
6- 3	.197*	.142	.145	.023	.114	.304	.353	.308	.117	.058	.010	.032	.095	.220
6- 5	.062*	.041	.142	.184	.405	.353	.372	.164	.119	.019	.020	.151	.219	.308
6- 7	.165*	.196	.431	.433	.441	.257	.178	.139	.092	.067	.028	.214	.547	.758
6- 9	.427*	.445	.748	1.121	1.507	1.597	1.146	.739	.615	.974	1.578	2.107	2.144	1.931
6-10	1.356*	1.182	1.698	2.246	2.860	2.691	1.960	1.789	1.885	2.461	2.577	2.304	3.781	4.027
6-11	1.160*	.940	1.063	1.697	1.900	2.061	1.602	1.846	2.281	3.030	2.849	2.303	1.712	1.428
6-12	1.191*	.869	.729	.897	1.435	1.454	.912	.676	1.564	2.144	3.097	2.359	1.837	.592
6-13	.738*	.733	1.283	1.672	1.989	1.792	1.339	1.575	1.509	1.634	1.306	1.328	1.080	.809
6-14	.640*	.866	1.292	1.799	1.722	1.655	1.863	2.179	2.264	2.547	2.369	2.137	.928	.770
6-15	.358*	.603	.933	.873	.941	.765	1.249	1.402	1.501	1.321	.914	.784	.541	.489
6-17	.281*	.642	.771	.778	.481	.611	1.083	1.367	1.190	.687	.444	.598	.797	.812
6-18	.501*	.801	1.256	1.490	1.484	1.575	2.193	1.998	1.678	1.012	1.320	1.286	1.363	1.334
6-19	.862*	.917	1.292	1.768	2.233	1.979	1.920	1.324	1.424	1.213	1.350	1.701	1.672	1.779
6-20	1.281*	1.151	1.973	2.100	2.879	2.226	1.665	1.008	1.215	1.309	1.713	2.344	2.205	2.894
6-21	1.212*	1.355	1.984	1.816	1.743	1.478	1.281	2.132	2.370	2.555	1.533	1.232	1.118	.986
6-23	.436*	.640	1.251	1.243	1.160	.805	.878	.822	.729	.726	1.051	1.269	1.188	.798
6-25	.561*	.901	.974	1.220	1.142	1.142	1.232	1.266	1.296	1.070	.715	1.096	1.038	1.016
6-27	.610*	.997	1.369	1.227	1.316	1.320	1.534	1.117	.986	.809	.860	.761	.854	.848

POWER PER UNIT LENGTH OF CHANNEL, IN WATTS PER METER
(FORCE PER UNIT TIME, IN NEWTONS PER SECOND)

	SECTION													
DATE(1)	0043	0075	0137	0178	0220	0257	0301	0348	0421	0460	0516	0556	0602	0653
5-14	0.289*	0.926	1.073	1.138	0.495	0.500	1.963	3.129	2.943	1.770	0.669	1.085	0.813	1.055
5-16	.294*	.396	.642	.627	.532	.344	1.449	1.558	1.656	.635	.430	.344	.264	1.002
5-19	.562*	.425	1.402	1.549	2.120	2.773	2.957	3.028	1.425	.877	.427	1.234	1.291	1.401
5-21	2.184*	1.557	1.891	5.743	8.751	9.945	5.769	3.206	1.765	3.579	4.637	5.439	2.678	4.393
5-22	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-26	.564*	1.587	3.408	4.138	3.090	1.124	.768	3.430	4.523	5.103	3.026	2.904	2.255	1.963
5-27	.282*	1.785	2.313	2.274	.777	.592	1.935	2.632	2.249	.873	.126	.240	.637	.776
5-28	.207*	.258	.630	1.117	1.034	1.261	2.347	2.809	2.354	.826	.511	.442	.380	.452
5-30	.032*	.110	.524	.640	.618	.837	2.075	2.256	1.632	.297	.105	.513	.551	.574
6- 1	2.655*	1.807	2.199	.540	.583	.187	.924	1.345	1.300	.539	.106	.134	.450	.416
6- 3	1.202*	.866	.882	.141	.696	1.855	2.158	1.879	.713	.355	.061	.196	.582	1.345
6- 5	.378*	.253	.866	1.121	2.470	2.154	2.272	1.000	.724	.118	.122	.921	1.339	1.882
6- 7	1.006*	1.194	2.630	2.645	2.695	1.570	1.085	.846	.564	.411	.168	1.305	3.342	4.630
6- 9	2.609*	2.718	4.565	6.848	9.205	9.754	6.995	4.513	3.758	5.946	9.635	12.863	13.091	11.789
6-10	8.280*	7.218	10.368	13.711	17.463	16.432	11.970	10.925	11.510	15.025	15.738	14.066	23.084	24.590
6-11	7.086*	5.738	6.492	10.360	11.602	12.586	9.779	11.274	13.928	18.499	17.395	14.060	10.455	8.720
6-12	7.273*	5.309	4.450	5.475	8.759	8.880	5.567	4.125	9.548	13.093	18.909	14.407	11.214	3.615
6-13	4.508*	4.473	7.835	10.209	12.147	10.945	8.174	9.617	9.216	9.978	7.974	8.106	6.597	4.938
6-14	3.910*	5.286	7.890	10.986	10.515	10.107	11.374	13.303	13.823	15.552	14.465	13.051	5.669	4.703
6-15	2.184*	3.679	5.698	5.333	5.743	4.673	7.629	8.558	9.165	8.063	5.583	4.789	3.304	2.987
6-17	1.714*	3.917	4.710	4.751	2.934	3.732	6.615	8.348	7.264	4.197	2.711	3.650	4.866	4.958
6-18	3.057*	4.891	7.669	9.098	9.063	9.615	13.392	12.197	10.248	6.181	8.062	7.855	8.323	8.145
6-19	5.264*	5.598	7.889	10.796	13.637	12.082	11.722	8.083	8.694	7.408	8.244	10.387	10.210	10.863
6-20	7.819*	7.031	12.050	12.822	17.578	13.594	10.166	6.155	7.417	7.993	10.460	14.310	13.461	17.674
6-21	7.401*	8.275	12.113	11.089	10.644	9.027	7.822	13.017	14.473	15.598	9.362	7.522	6.827	6.018
6-23	2.663*	3.911	7.638	7.592	7.083	4.914	5.361	5.022	4.453	4.431	6.417	7.750	7.255	4.870
6-25	3.427*	5.503	5.950	7.451	6.973	6.974	7.524	7.728	7.913	6.533	4.366	6.693	6.340	6.206
6-27	3.724*	6.089	8.359	7.490	8.034	8.062	9.365	6.818	6.022	4.942	5.254	4.645	5.214	5.176

TABLE 97.- SUMMARY OF BEDLOAD-TRANSPORT RATES, THREE-SECTION AVERAGE OF GIVEN SECTION AND NEXT DOWNSTREAM AND UPSTREAM SECTIONS, EAST FORK RIVER, WYOMING, 1980--CONTINUED

DRY MASS PER UNIT TIME, IN KILOGRAMS PER SECOND

	SECTION													
DATE(1)	0708	0757	0808	0853	0898	0940	0985	1038	1077	1120	1155	1202	1241	1284
5-14	0.114	0.180	0.144	0.133	0.069	0.123	0.142	0.189	0.132	0.111	0.085	0.124	0.331	0.592
5-16	.210	.272	.191	.142	.118	.127	.133	.144	.104	.084	.060	.182	.736	.806
5-19	.150	.255	.265	.227	.113	.093	.166	.170	.162	.071	.087	.100	.306	.320
5-21	.655	.679	.256	.200	.307	.593	1.003	1.001	1.111	1.023	1.285	.960	.778	.420
5-22	---	---	---	---	---	---	---	1.981*	2.134	2.224	2.126	1.780	1.594	.816
5-24	---	---	---	---	---	---	---	1.522*	1.314	.933	.885	.660	.443	.404
5-26	1.069	1.564	1.892	1.176	1.144	1.220	1.499#	---	---	---	---	---	---	---
5-27	.549	.822	.912	.736	.644	.533	.280	.037	.070	.057	.106	.070	.279	.405
5-28	.251	.592	.815	.659	.419	.169	.135	.054	.078	.083	.064	.049	.223	.221
5-30	.272	.435	.503	.298	.135	.057	.018	.019	.032	.036	.028	.027	.216	.387
6- 1	.290	.319	.349	.167	.099	.065	.017	.002	.013	.019	.033	.281	.446	.612
6- 3	.262	.226	.126	.067	.049	.023	.019	.062	.068	.079	.086	.140	.235	.206
6- 5	.230	.201	.099	.050	.018	.020	.013	.067	.078	.081	.217	.314	.448	.263
6- 7	.639	.316	.115	.047	.049	.032	.027	.133	.322	.372	.504	.479	.571	.349
6- 9	1.193	.700	.216	.141	.157	.379	.622	1.539	2.188	2.332	2.400	1.701	1.620	.624
6-10	3.420	1.201	.240	.293	.291	.992	1.867	2.592	2.548	2.219	2.020	1.340	1.009	.787
6-11	.735	.290	.465	.444	1.168	1.390	2.464	2.670	2.432	1.479	.697	.527	.508	.858
6-12	.528	.684	1.604	1.467	2.218	1.907	3.484	3.356	2.877	1.196	.460	.293	.234	.225
6-13	.408	.687	1.381	1.514	1.935	2.258	2.262	2.194	1.062	.854	.261	.228	.220	.237
6-14	.874	1.918	2.344	2.880	2.128	2.459	1.883	1.987	1.119	.990	.850	.779	.612	.610
6-15	.442	.844	.984	.823	.663	.955	.930	.860	.604	.709	.576	.470	.763	1.033
6-17	1.312	1.834	2.193	1.932	1.279	.846	.383	.381	.461	.489	.486	.476	1.387	1.958
6-18	1.988	1.891	1.795	1.312	1.119	1.233	1.069	1.284	1.347	1.527	1.212	1.112	1.097	1.286
6-19	1.336	.978	1.038	.922	.859	.590	.450	.949	1.108	1.612	1.555	1.337	1.194	.921
6-20	2.225	2.771	1.349	1.783	1.156	1.349	.737	1.353	1.637	1.628	1.066	.793	.868	.903
6-21	.843	.826	.857	.623	1.157	2.447	2.714	2.157	1.061	1.053	1.330	1.826	1.742	1.516
6-23	.551	.467	.539	.588	.952	1.215	1.277	1.642	1.527	1.398	.940	.641	.794	.903
6-25	.807	.949	.948	.611	.463	.707	.739	.594	.611	.585	1.208	1.586	1.830	2.042
6-27	.891	.986	1.035	.882	.692	.647	.874	1.080	1.388	1.560	1.475	1.091	1.057	1.039

POWER PER UNIT LENGTH OF CHANNEL, IN WATTS PER METER
(FORCE PER UNIT TIME, IN NEWTONS PER SECOND)

	SECTION													
DATE(1)	0708	0757	0808	0853	0898	0940	0985	1038	1077	1120	1155	1202	1241	1284
5-14	0.695	1.101	0.877	0.809	0.419	0.749	0.866	1.157	0.805	0.677	0.522	0.760	2.023	3.613
5-16	1.281	1.660	1.164	.865	.721	.775	.809	.877	.635	.514	.367	1.112	4.495	4.922
5-19	.914	1.560	1.617	1.384	.688	.567	1.012	1.036	.992	.434	.532	.608	1.866	1.955
5-21	4.000	4.143	1.562	1.222	1.874	3.621	6.124	6.114	6.783	6.245	7.845	5.861	4.753	2.564
5-22	---	---	---	---	---	---	---	12.095*	13.031	13.579	12.979	10.866	9.730	4.981
5-24	---	---	---	---	---	---	---	9.292*	8.022	5.697	5.404	4.031	2.704	2.468
5-26	6.530	9.549	11.555	7.181	6.986	7.452	9.153#	---	---	---	---	---	---	---
5-27	3.355	5.019	5.570	4.492	3.931	3.255	1.709	.227	.429	.347	.647	.429	1.705	2.471
5-28	1.532	3.613	4.979	4.023	2.561	1.032	.825	.329	.479	.508	.389	.297	1.362	1.350
5-30	1.662	2.659	3.070	1.819	.827	.346	.111	.115	.198	.221	.169	.167	1.319	2.361
6- 1	1.771	1.950	2.131	1.021	.607	.396	.105	.012	.077	.113	.200	1.714	2.722	3.736
6- 3	1.599	1.383	.767	.409	.299	.141	.115	.378	.418	.480	.525	.853	1.435	1.256
6- 5	1.403	1.227	.606	.305	.110	.123	.082	.411	.475	.495	1.322	1.918	2.738	1.604
6- 7	3.901	1.932	.703	.288	.301	.194	.164	.811	1.969	2.272	3.079	2.925	3.484	2.133
6- 9	7.287	4.271	1.319	.862	.962	2.317	3.797	9.399	13.361	14.237	14.656	10.388	9.893	3.808
6-10	20.882	7.333	1.464	1.789	1.776	6.060	11.402	15.829	15.558	13.550	12.336	8.183	6.160	4.806
6-11	4.485	1.774	2.837	2.712	7.134	8.489	15.047	16.303	14.852	9.031	4.254	3.216	3.101	5.239
6-12	3.225	4.177	9.797	8.958	13.542	11.644	21.275	20.494	17.564	7.304	2.810	1.787	1.429	1.371
6-13	2.489	4.197	8.433	9.244	11.816	13.788	13.811	13.399	6.484	5.216	1.596	1.392	1.341	1.445
6-14	5.336	11.714	14.315	17.583	12.996	15.016	11.499	12.130	6.831	6.047	5.190	4.755	3.735	3.726
6-15	2.700	5.152	6.010	5.024	4.048	5.832	5.681	5.251	3.688	4.328	3.516	2.871	4.662	6.309
6-17	8.012	11.197	13.392	11.797	7.811	5.168	2.339	2.329	2.816	2.986	2.966	2.904	8.467	11.956
6-18	12.140	11.546	10.963	8.011	6.833	7.531	6.526	7.842	8.222	9.324	7.401	6.787	6.698	7.855
6-19	8.156	5.969	6.338	5.629	5.242	3.603	2.750	5.793	6.767	9.845	9.495	8.161	7.292	5.623
6-20	13.588	16.919	8.234	10.884	7.057	8.238	4.498	8.261	9.996	9.943	6.507	4.843	5.298	5.516
6-21	5.145	5.041	5.233	3.807	7.066	14.940	16.573	13.172	6.481	6.431	8.122	11.148	10.639	9.258
6-23	3.366	2.854	3.294	3.593	5.814	7.419	7.799	10.027	9.324	8.538	5.743	3.916	4.846	5.516
6-25	4.926	5.796	5.787	3.730	2.825	4.314	4.514	3.624	3.734	3.573	7.378	9.683	11.174	12.469
6-27	5.439	6.020	6.317	5.384	4.226	3.950	5.334	6.597	8.474	9.526	9.004	6.660	6.456	6.344

TABLE 97.- SUMMARY OF BEDLOAD-TRANSPORT RATES, THREE-SECTION AVERAGE OF GIVEN SECTION AND NEXT DOWNSTREAM AND UPSTREAM SECTIONS, EAST FORK RIVER, WYOMING, 1980—CONTINUED

DRY MASS PER UNIT TIME, IN KILOGRAMS PER SECOND

	SECTION													
DATE(1)	1315	1360	1396	1425	1481	1533	1573	1610	1662	1695	1730	1766	1800	1830
5-14	0.647	0.488	0.270	0.159	0.122	0.045	0.075	0.113	0.181	0.171	0.141	0.172	0.214	0.276#
5-16	.690	.182	.073	.059	.021	.013	.014	.033	.061	.063	.108	.269	.282	.313#
5-19	.305	.135	.156	.166	.123	.066	.065	.103	.110	.124	.281	.280	.256	.088#
5-21	.263	.264	.274	.314	.175	.144	.325	.387	.844	.871	1.004	.576	.371	.208#
5-22	.626	.515	.612	.742	.927	1.587	1.767	1.696	1.602	1.479	1.751	1.168	1.082	.839#
5-24	.708	1.024	1.207	1.291	1.076	1.160	1.009	1.535	1.957	2.069	2.263	1.774	2.146	1.822#
5-26	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-27	.455	.329	.221	.226	.305	.384	.348	.339	.214	.254	.119	.216	.211	.283#
5-28	.361	.256	.340	.218	.344	.260	.385	.316	.360	.196	.075	.163	.201	.284#
5-30	.477	.339	.176	.134	.112	.169	.116	.133	.074	.066	.015	.024	.038	.054#
6- 1	.357	.211	.146	.169	.209	.107	.121	.076	.066	.024	.014	.095	.099	.132#
6- 3	.174	.135	.131	.131	.087	.075	.064	.080	.068	.048	.059	.068	.067	.023#
6- 5	.173	.095	.111	.119	.135	.111	.096	.034	.035	.022	.059	.108	.109	.087#
6- 7	.256	.192	.292	.271	.243	.115	.216	.224	.259	.236	.270	.301	.179	.131#
6- 9	.719	.617	.798	.854	.763	.877	.902	1.331	1.538	1.390	.980	.605	.656	.742#
6-10	.988	1.163	1.078	1.648	1.875	1.902	2.071	1.657	1.909	1.238	1.935	1.886	2.380	2.124#
6-11	.994	1.142	.714	.893	.812	.822	.961	.837	1.116	1.802	2.645	3.103	2.062	1.720#
6-12	.292	.360	.318	.352	.421	.937	1.020	1.206	1.041	1.085	1.552	1.659	1.823	1.467#
6-13	.492	.696	.769	.778	1.025	1.338	1.298	.957	.866	.988	1.068	1.056	.767	.763#
6-14	.712	1.117	1.148	1.435	1.418	1.815	1.684	1.433	1.821	1.940	2.238	1.337	1.115	.826#
6-15	1.778	1.995	2.002	1.571	1.309	1.118	1.118	.930	1.674	1.392	1.804	1.109	1.642	1.544#
6-17	1.989	1.244	.681	.593	.632	1.267	1.713	1.898	1.400	1.033	.741	.702	.570	.562#
6-18	.953	.880	.764	1.188	1.466	1.698	1.438	1.318	1.110	1.481	1.350	1.628	1.269	1.358#
6-19	1.115	1.030	.871	.852	.647	.670	.553	.900	1.890	2.312	2.532	1.642	1.593	1.376#
6-20	.715	.565	.327	.619	.707	1.225	1.007	1.071	1.714	2.373	2.768	2.080	1.841	1.770#
6-21	1.189	1.485	1.488	1.253	1.042	1.113	1.075	1.252	1.608	1.557	1.568	1.173	1.481	1.496#
6-23	1.008	.897	.583	.593	.534	.633	.655	.824	1.194	1.239	1.306	1.344	1.711	1.938#
6-25	1.433	1.206	.313	.407	.553	.803	.656	.711	.769	.878	.878	1.113	1.525	1.821#
6-27	1.082	1.018	.933	1.033	1.072	1.197	1.053	.964	.874	.974	.873	.904	.884	.939#

POWER PER UNIT LENGTH OF CHANNEL, IN WATTS PER METER
(FORCE PER UNIT TIME, IN NEWTONS PER SECOND)

	SECTION													
DATE(1)	1315	1360	1396	1425	1481	1533	1573	1610	1662	1695	1730	1766	1800	1830
5-14	3.954	2.978	1.649	0.971	0.748	0.275	0.460	0.687	1.103	1.047	0.862	1.048	1.309	1.686#
5-16	4.215	1.111	.445	.359	.128	.079	.086	.199	.370	.385	.657	1.645	1.724	1.911#
5-19	1.863	.823	.955	1.013	.750	.402	.394	.626	.670	.758	1.713	1.708	1.564	.536#
5-21	1.604	1.613	1.672	1.914	1.071	.877	1.987	2.361	5.151	5.320	6.132	3.517	2.263	1.273#
5-22	3.823	3.143	3.740	4.528	5.658	9.693	10.791	10.357	9.782	9.033	10.691	7.133	6.606	5.122#
5-24	4.322	6.254	7.368	7.884	6.569	7.082	6.161	9.370	11.951	12.636	13.817	10.831	13.104	11.126#
5-26	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-27	2.781	2.012	1.348	1.378	1.863	2.344	2.124	2.069	1.306	1.554	.729	1.321	1.286	1.727#
5-28	2.204	1.562	2.076	1.333	2.098	1.587	2.351	1.928	2.196	1.198	.457	.996	1.224	1.732#
5-30	2.915	2.072	1.075	.818	.686	1.029	.709	.812	.452	.401	.089	.147	.234	.331#
6- 1	2.182	1.291	.892	1.031	1.275	.652	.740	.466	.402	.148	.085	.578	.602	.804#
6- 3	1.062	.823	.801	.801	.531	.456	.390	.490	.415	.292	.358	.417	.410	.142#
6- 5	1.059	.581	.679	.724	.825	.679	.584	.207	.211	.137	.362	.661	.664	.530#
6- 7	1.561	1.172	1.783	1.653	1.483	.703	1.319	1.365	1.580	1.438	1.649	1.840	1.093	.797#
6- 9	4.388	3.768	4.873	5.212	4.662	5.358	5.510	8.129	9.390	8.490	5.983	3.696	4.005	4.533#
6-10	6.034	7.104	6.580	10.060	11.449	11.612	12.643	10.116	11.658	7.560	11.815	11.515	14.530	12.968#
6-11	6.069	6.974	4.359	5.452	4.961	5.019	5.870	5.111	6.814	11.002	16.150	18.947	12.588	10.505#
6-12	1.785	2.199	1.940	2.149	2.573	5.724	6.230	7.364	6.353	6.622	9.476	10.132	11.130	8.957#
6-13	3.004	4.250	4.693	4.753	6.259	8.168	7.927	5.845	5.290	6.033	6.521	6.448	4.681	4.659#
6-14	4.350	6.823	7.010	8.764	8.656	11.085	10.281	8.747	11.118	11.847	13.666	8.164	6.810	5.042#
6-15	10.856	12.179	12.225	9.595	7.995	6.824	6.824	5.679	10.223	8.501	11.017	6.775	10.024	9.430#
6-17	12.142	7.597	4.160	3.618	3.857	7.738	10.457	11.589	8.548	6.308	4.522	4.287	3.479	3.431#
6-18	5.820	5.371	4.662	7.254	8.951	10.369	8.779	8.045	6.776	9.043	8.242	9.938	7.748	8.291#
6-19	6.809	6.289	5.320	5.202	3.953	4.089	3.379	5.497	11.540	14.115	15.458	10.026	9.725	8.403#
6-20	4.364	3.448	1.998	3.783	4.317	7.478	6.149	6.540	10.465	14.492	16.902	12.703	11.239	10.810#
6-21	7.263	9.067	9.087	7.649	6.360	6.794	6.563	7.645	9.819	9.509	9.574	7.162	9.045	9.135#
6-23	6.157	5.475	3.563	3.623	3.259	3.866	4.002	5.030	7.291	7.563	7.974	8.205	10.446	11.835#
6-25	8.749	7.367	1.910	2.486	3.379	4.906	4.006	4.343	4.697	5.362	5.361	6.794	9.309	11.117#
6-27	6.607	6.214	5.696	6.309	6.543	7.311	6.433	5.888	5.336	5.945	5.333	5.521	5.397	5.735#

(1) TIMES OF SAMPLE COLLECTIONS GIVEN IN TABLES 7-48 AND 98-139.
* BEDLOAD TRANSPORT RATE IS A TWO-SECTION AVERAGE OF GIVEN SECTION AND NEXT UPSTREAM SECTION.
\# BEDLOAD TRANSPORT RATE IS A TWO-SECTION AVERAGE OF GIVEN SECTION AND NEXT DOWNSTREAM SECTION.

TABLE 98.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0043, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1720	3.74	0.047#	0.287#	4.552	--	28.53	--
5-16	1510	2.61	.048#	.293#	3.554	--	23.32	--
5-19	1520	3.22	.092#	.562#	4.188	--	26.76	--
5-21	1520	8.31	.358#	2.186#	5.655	--	83.60	--
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1515	9.28	.092#	.562#	4.152	--	76.74	--
5-27	1605	5.67	.046#	.281#	3.306	--	37.68	--
5-28	1547	4.74	.034#	.208#	3.485	--	36.79	--
5-30	1401	3.28	.005#	.031#	1.993	--	25.62	--
6-01	1351	3.22	.435#	2.656#	1.961	--	26.54	--
6-03	1629	3.28	.197#	1.203#	2.076	--	25.07	--
6-05	1434	3.81	.062#	.379#	2.253	--	31.12	--
6-07	1614	4.51	.165#	1.007#	2.465	--	37.86	--
6-09	1745	13.5	.427#	2.607#	3.393	--	176.1	--
6-10	1654	19.3	1.356#	8.280#	4.716	--	262.7	--
6-11	1730	23.5	1.160#	7.083#	3.947	--	361.0	--
6-12	1806	30.6	1.191#	7.272#	4.225	--	509.6	--
6-13	1600	28.3	.738#	4.506#	4.643	--	376.6	--
6-14	1634	23.5	.640#	3.908#	4.354	--	284.3	--
6-17	1412	12.4	.281#	1.716#	3.742	--	119.2	--
6-18	1702	18.7	.501#	3.059#	3.562	--	230.4	--
6-19	1527	17.0	.862#	5.263#	3.333	--	213.2	--
6-20	1637	25.6	1.281#	7.822#	4.259	--	333.1	--
6-21	1614	21.4	1.212#	7.400#	4.039	--	263.4	--
6-23	1337	18.9	.436#	2.662#	3.993	--	232.7	--
6-25	0905	13.7	.561#	3.425#	3.927	--	149.7	--
6-27	0900	12.9	.610#	3.725#	3.694	--	153.6	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 7; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 7, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 51.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 51.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).
BEDLOAD-TRANSPORT RATE IS A TWO-SECTION AVERAGE OF GIVEN SECTION AND NEXT UPSTREAM SECTION.

TABLE 99.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0075, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1506	3.74	0.152	0.928	6.381	--	20.23	--
5-16	1500	2.61	.065	.397	5.438	--	15.31	--
5-19	1514	3.22	.070	.427	6.639	--	21.02	--
5-21	1512	8.31	.255	1.557	6.097	--	81.43	--
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1456	9.28	.260	1.588	4.583	--	74.26	--
5-27	1603	5.67	.292	1.783	4.096	--	35.58	--
5-28	1540	4.74	.042	.256	3.428	--	34.06	--
5-30	1408	3.28	.018	.110	3.151	--	18.35	--
6-01	1337	3.22	.296	1.807	5.258	--	18.43	--
6-03	1608	3.28	.142	.867	7.215	--	19.31	--
6-05	1422	3.81	.041	.250	7.885	--	21.89	--
6-07	1603	4.51	.196	1.197	7.909	--	30.46	--
6-09	1727	13.5	.445	2.717	5.816	--	156.5	--
6-10	1634	19.3	1.182	7.217	5.303	--	226.9	--
6-11	1725	23.5	.940	5.740	4.216	--	298.2	--
6-12	1731	30.6	.869	5.306	4.412	--	455.1	--
6-13	1541	28.3	.733	4.476	4.938	--	318.1	--
6-14	1630	23.5	.866	5.288	5.035	--	230.6	--
6-17	1427	12.4	.642	3.920	5.089	--	108.8	--
6-18	1641	18.7	.801	4.891	5.175	--	185.0	--
6-19	1528	17.0	.917	5.599	5.555	--	179.6	--
6-20	1602	25.6	1.151	7.028	5.642	--	282.4	--
6-21	1622	21.4	1.355	8.274	5.601	--	225.0	--
6-23	1527	18.9	.640	3.908	5.706	--	213.6	--
6-25	0925	13.7	.901	5.502	5.876	--	139.7	--
6-27	0920	12.9	.997	6.088	5.629	--	144.9	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 8; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 8, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 52.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 52.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 100.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0137, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1700	3.74	0.176	1.075	5.611	7.038	49.27	31.32
5-16	1450	2.61	.105	.641	5.190	6.247	33.21	22.92
5-19	1500	3.22	.230	1.404	5.367	6.362	41.45	29.49
5-21	1503	8.31	.310	1.893	6.464	7.379	98.83	75.84
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1437	9.28	.558	3.407	6.772	8.171	116.9	80.30
5-27	1550	5.67	.379	2.314	5.984	7.681	83.68	50.78
5-28	1534	4.74	.103	.629	5.923	7.235	64.73	43.38
5-30	1404	3.28	.086	.525	5.537	6.712	42.37	28.83
6-01	1338	3.22	.360	2.198	5.998	7.250	40.03	27.40
6-03	1557	3.28	.145	.885	5.203	6.410	43.72	28.81
6-05	1411	3.81	.142	.867	5.404	6.651	50.61	33.41
6-07	1551	4.51	.431	2.632	5.167	6.274	63.96	43.39
6-09	1730	13.5	.748	4.567	7.605	7.594	119.6	120.0
6-10	1700	19.3	1.698	10.368	7.801	7.511	158.2	170.7
6-11	1720	23.5	1.063	6.491	6.784	6.620	208.0	218.4
6-12	1755	30.6	.729	4.451	6.699	6.911	344.6	323.8
6-13	1521	28.3	1.283	7.834	8.163	7.966	227.3	238.7
6-14	1618	23.5	1.292	7.889	8.081	8.124	192.6	190.6
6-17	1444	12.4	.771	4.708	6.906	8.062	146.6	107.5
6-18	1624	18.7	1.256	7.669	7.583	7.851	159.5	148.8
6-19	1510	17.0	1.292	7.889	7.302	7.915	175.1	149.0
6-20	1608	25.6	1.973	12.047	8.252	8.201	200.0	202.6
6-21	1602	21.4	1.984	12.114	7.386	7.986	219.5	187.7
6-23	1518	18.9	1.251	7.639	7.381	7.766	189.7	171.4
6-25	0940	13.7	.974	5.947	6.475	7.399	167.3	128.1
6-27	0938	12.9	1.369	8.359	6.787	7.381	143.9	121.7

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 9; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 9, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 53.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 53.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 101.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0178, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1700	3.74	0.186	1.136	8.788	9.667	34.14	28.21
5-16	1435	2.61	.103	.629	7.643	8.609	25.89	20.41
5-19	1451	3.22	.254	1.551	7.218	7.974	33.45	27.41
5-21	1459	8.31	.941	5.746	8.806	8.777	72.82	73.30
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1420	9.28	.678	4.140	10.184	10.078	73.74	75.30
5-27	1544	5.67	.372	2.271	9.024	9.049	46.99	46.73
5-28	1530	4.74	.183	1.117	8.283	8.840	43.84	38.49
5-30	1356	3.28	.105	.641	8.355	9.082	30.75	26.03
6-01	1335	3.22	.088	.537	8.065	8.850	29.89	24.82
6-03	1542	3.28	.023	.140	7.912	8.469	31.06	27.11
6-05	1401	3.81	.184	1.124	7.849	8.289	35.88	32.17
6-07	1538	4.51	.433	2.644	7.725	8.389	49.46	41.94
6-09	1709	13.5	1.121	6.845	9.667	9.248	104.3	114.0
6-10	1635	19.3	2.246	13.714	10.479	9.297	125.1	159.0
6-11	1700	23.5	1.697	10.362	9.753	8.227	141.9	199.5
6-12	1735	30.6	.897	5.477	15.647	8.978	81.48	247.5
6-13	1534	28.3	1.672	10.209	14.075	10.021	106.7	210.4
6-14	1646	23.5	1.799	10.985	10.171	9.112	146.9	183.1
6-17	1505	12.4	.778	4.750	9.763	9.209	90.20	101.4
6-18	1635	18.7	1.490	9.098	10.816	9.360	102.6	137.0
6-19	1455	17.0	1.768	10.795	11.163	9.401	97.76	137.8
6-20	1549	25.6	2.100	12.823	16.665	9.890	66.86	189.8
6-21	1541	21.4	1.816	11.088	11.459	9.213	114.5	177.2
6-23	1448	18.9	1.243	7.590	10.960	9.492	119.0	158.7
6-25	0910	13.7	1.220	7.449	9.422	8.538	100.5	122.4
6-27	0954	12.9	1.227	7.492	9.757	9.060	94.93	110.1

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 10; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 10, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 54.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 54.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 102.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0220, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1646	3.74	0.081	0.495	13.095	10.874	18.86	27.36
5-16	1325	2.61	.087	.531	11.408	9.946	15.12	19.90
5-19	1445	3.22	.347	2.119	10.336	8.654	18.76	26.76
5-21	1450	8.31	1.433	8.750	10.929	9.314	53.52	73.69
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1404	9.28	.506	3.090	13.336	11.002	47.60	69.94
5-27	1540	5.67	.127	.775	12.627	10.867	30.40	41.05
5-28	1525	4.74	.169	1.032	12.710	10.867	24.71	33.80
5-30	1351	3.28	.101	.617	11.960	10.696	19.98	24.98
6-01	1326	3.22	.096	.586	12.590	10.458	17.19	24.92
6-03	1539	3.28	.114	.696	11.418	9.418	18.90	27.79
6-05	1349	3.81	.405	2.473	11.557	9.320	21.39	32.90
6-07	1526	4.51	.441	2.693	9.928	8.698	32.81	42.74
6-09	1710	13.5	1.507	9.202	11.593	9.478	80.38	120.2
6-10	1635	19.3	2.860	17.463	10.256	9.754	146.3	161.8
6-11	1704	23.5	1.900	11.601	10.373	8.889	147.9	201.4
6-12	1749	30.6	1.435	8.762	12.894	10.758	143.0	205.5
6-13	1510	28.3	1.989	12.145	12.275	10.756	157.7	205.4
6-14	1631	23.5	1.722	10.515	10.762	9.518	148.6	190.0
6-17	1524	12.4	.481	2.937	11.897	10.082	68.98	96.05
6-18	1611	18.7	1.484	9.061	12.674	9.919	88.19	144.0
6-19	1510	17.0	2.233	13.635	11.943	9.678	94.20	143.4
6-20	1531	25.6	2.879	17.579	13.773	10.460	115.3	200.0
6-21	1525	21.4	1.743	10.643	11.445	9.390	125.8	186.9
6-23	1511	18.9	1.160	7.083	10.838	9.790	131.3	160.9
6-25	0921	13.7	1.142	6.973	11.852	9.469	75.63	118.5
6-27	1010	12.9	1.316	8.035	11.313	9.036	66.85	104.8

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 11; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 11, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 55.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 55.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 103.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0257, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1745	3.74	0.082	0.501	9.774	8.157	17.61	25.28
5-16	1420	2.61	.056	.342	8.496	6.633	11.32	18.58
5-19	1440	3.22	.454	2.772	7.955	7.665	21.66	23.32
5-21	1444	8.31	1.629	9.947	8.285	9.362	83.96	65.75
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1347	9.28	.184	1.124	10.090	10.160	68.63	67.69
5-27	1534	5.67	.097	.592	10.464	8.759	27.41	39.12
5-28	1515	4.74	.206	1.258	10.354	7.909	20.06	34.38
5-30	1342	3.28	.137	.837	9.177	6.876	14.45	25.74
6-01	1325	3.22	.031	.189	8.016	6.715	17.72	25.25
6-03	1522	3.28	.304	1.856	7.799	7.364	23.27	26.10
6-05	1317	3.81	.353	2.155	7.721	7.931	32.10	30.43
6-07	1517	4.51	.257	1.569	7.494	7.492	37.29	37.31
6-09	1649	13.5	1.597	9.751	8.017	9.488	170.2	121.5
6-10	1604	19.3	2.691	16.431	8.703	10.172	229.1	167.7
6-11	1643	23.5	2.061	12.584	7.767	9.293	297.2	207.6
6-12	1714	30.6	1.454	8.878	10.352	12.881	267.0	172.4
6-13	1525	28.3	1.792	10.942	9.828	11.556	296.6	214.5
6-14	1610	23.5	1.655	10.105	8.727	9.612	260.5	214.7
6-17	1536	12.4	.611	3.731	9.360	9.619	106.2	100.5
6-18	1651	18.7	1.575	9.617	8.460	9.336	203.1	166.8
6-19	1455	17.0	1.979	12.084	8.366	9.455	199.1	155.9
6-20	1507	25.6	2.226	13.592	8.683	10.744	340.4	222.3
6-21	1554	21.4	1.478	9.025	8.637	9.833	254.4	196.3
6-23	1509	18.9	.805	4.915	8.679	9.789	210.0	165.1
6-25	0940	13.7	1.142	6.973	8.418	9.393	148.7	119.4
6-27	1022	12.9	1.320	8.060	8.626	9.087	120.2	108.3

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 12; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 12, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 56.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 56.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 104.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0301, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1635	3.74	0.322	1.966	7.890	7.301	22.92	26.77
5-16	1407	2.61	.237	1.447	7.516	7.144	17.35	19.21
5-19	1430	3.22	.484	2.955	7.263	7.639	24.10	21.78
5-21	1437	8.31	.945	5.770	7.339	8.423	75.75	57.50
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1330	9.28	.126	.769	8.750	7.870	61.24	75.70
5-27	1528	5.67	.317	1.936	9.251	6.509	23.83	48.15
5-28	1512	4.74	.384	2.345	8.503	6.377	23.82	42.35
5-30	1343	3.28	.340	2.076	7.241	5.938	21.39	31.81
6-01	1345	3.22	.151	.922	7.941	7.161	24.64	30.30
6-03	1515	3.28	.353	2.155	7.410	7.267	28.22	29.34
6-05	1311	3.81	.372	2.271	7.261	7.336	32.37	31.71
6-07	1503	4.51	.178	1.087	7.037	7.273	38.29	35.84
6-09	1655	13.5	1.146	6.997	7.101	8.279	149.8	110.2
6-10	1615	19.3	1.960	11.968	8.292	8.814	180.4	159.7
6-11	1640	23.5	1.602	9.782	7.325	8.084	247.7	203.4
6-12	1700	30.6	.912	5.569	9.884	10.916	237.6	194.8
6-13	1459	28.3	1.339	8.176	8.842	9.355	269.1	240.4
6-14	1543	23.5	1.863	11.375	8.318	8.374	228.8	225.7
6-17	1555	12.4	1.083	6.613	8.987	8.049	89.42	111.5
6-18	1635	18.7	2.193	13.390	7.508	7.759	193.5	181.1
6-19	1435	17.0	1.920	11.724	7.802	8.193	180.3	163.5
6-20	1535	25.6	1.665	10.166	7.870	8.745	288.8	233.9
6-21	1534	21.4	1.281	7.822	7.960	8.642	238.5	202.4
6-23	1444	18.9	.878	5.361	8.348	8.564	177.9	169.0
6-25	0955	13.7	1.232	7.523	7.493	7.734	128.7	120.9
6-27	0902	12.9	1.534	9.367	8.425	8.892	120.9	108.5

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 13; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 13, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 57.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 57.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 105.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0348, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1625	3.74	0.512	3.126	9.548	10.212	33.22	29.05
5-16	1354	2.61	.255	1.557	8.324	9.059	24.34	20.55
5-19	1424	3.22	.496	3.029	8.607	8.080	20.26	22.99
5-21	1430	8.31	.525	3.206	9.826	8.671	42.35	54.39
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1227	9.28	.562	3.432	7.348	7.358	80.89	80.65
5-27	1515	5.67	.431	2.632	8.220	9.129	65.34	52.98
5-28	1510	4.74	.460	2.809	9.813	11.064	59.20	46.57
5-30	1336	3.28	.369	2.253	9.074	10.167	42.86	34.14
6-01	1310	3.22	.220	1.343	9.669	10.266	36.60	32.47
6-03	1505	3.28	.308	1.881	8.615	8.527	30.33	30.96
6-05	1252	3.81	.164	1.001	9.260	9.000	31.11	32.93
6-07	1453	4.51	.139	.849	8.289	7.865	31.45	34.93
6-09	1640	13.5	.739	4.512	8.137	7.720	91.48	101.6
6-10	1612	19.3	1.789	10.924	8.149	7.866	137.0	147.1
6-11	1619	23.5	1.846	11.272	7.187	6.941	182.0	195.2
6-12	1644	30.6	.676	4.128	11.327	9.255	125.9	188.6
6-13	1440	28.3	1.575	9.617	8.542	8.210	220.1	238.3
6-14	1555	23.5	2.179	13.305	7.364	7.609	235.8	220.8
6-17	1615	12.4	1.367	8.347	9.462	10.174	134.3	116.2
6-18	1614	18.7	1.998	12.200	7.834	8.546	211.6	177.8
6-19	1437	17.0	1.324	8.084	8.555	8.854	171.9	160.5
6-20	1518	25.6	1.008	6.155	8.688	8.899	231.0	220.2
6-21	1515	21.4	2.132	13.018	8.213	8.260	198.6	196.3
6-23	1420	18.9	.822	5.019	8.465	8.678	171.5	163.2
6-25	1017	13.7	1.266	7.730	8.447	8.768	126.7	117.6
6-27	0920	12.9	1.117	6.820	8.520	9.138	122.3	106.4

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 14; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 14, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 58.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 58.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 106.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0421, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1605	3.74	0.482	2.943	10.484	11.804	35.93	28.34
5-16	1340	2.61	.271	1.655	8.345	8.964	23.06	19.98
5-19	1415	3.22	.233	1.423	9.240	9.331	21.64	21.22
5-21	1421	8.31	.289	1.765	11.681	9.700	33.93	49.22
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1159	9.28	.741	4.525	11.250	13.215	108.2	78.44
5-27	1504	5.67	.368	2.247	10.395	13.796	92.86	52.71
5-28	1458	4.74	.386	2.357	10.391	13.556	78.41	46.07
5-30	1332	3.28	.267	1.630	10.583	13.499	53.95	33.16
6-01	1310	3.22	.213	1.301	10.166	12.628	48.05	31.14
6-03	1458	3.28	.117	.714	10.616	12.767	42.14	29.14
6-05	1248	3.81	.119	.727	10.238	11.684	39.30	30.18
6-07	1437	4.51	.092	.562	10.419	11.486	38.88	31.99
6-09	1623	13.5	.615	3.755	11.871	9.989	61.63	87.04
6-10	1550	19.3	1.885	11.510	9.997	9.177	113.5	134.7
6-11	1630	23.5	2.281	13.928	8.911	8.451	164.3	182.7
6-12	1707	30.6	1.564	9.550	10.867	11.540	201.4	178.6
6-13	1453	28.3	1.509	9.214	9.638	10.229	252.0	223.7
6-14	1531	23.5	2.264	13.824	8.311	8.554	222.1	209.6
6-17	1632	12.4	1.190	7.266	9.283	10.848	150.9	110.5
6-18	1551	18.7	1.678	10.246	7.772	8.171	181.9	164.6
6-19	1416	17.0	1.424	8.695	9.387	9.378	147.2	147.4
6-20	1450	25.6	1.215	7.419	9.975	9.330	173.2	198.0
6-21	1502	21.4	2.370	14.471	9.895	9.671	170.2	178.2
6-23	1359	18.9	.729	4.451	9.150	9.548	160.7	147.5
6-25	1033	13.7	1.296	7.913	8.660	9.300	122.2	106.0
6-27	0932	12.9	.986	6.021	9.403	9.197	94.54	98.83

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 15; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 15, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 59.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 59.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 107.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0460, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1600	3.74	0.290	1.771	10.139	10.556	27.81	25.65
5-16	1335	2.61	.104	.635	9.551	10.193	20.46	17.96
5-19	1409	3.22	.144	.879	8.998	10.920	27.03	18.35
5-21	1415	8.31	.586	3.578	10.401	11.358	53.36	44.75
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1148	9.28	.836	5.105	9.604	9.703	71.41	69.97
5-27	1458	5.67	.143	.873	10.083	8.718	36.27	48.52
5-28	1500	4.74	.135	.824	9.648	8.110	29.45	41.67
5-30	1322	3.28	.049	.299	8.682	7.555	22.07	29.14
6-01	1300	3.22	.088	.537	8.898	8.247	22.97	26.74
6-03	1453	3.28	.058	.354	8.813	8.842	25.05	24.88
6-05	1225	3.81	.019	.116	9.389	10.021	28.70	25.19
6-07	1427	4.51	.067	.409	9.859	10.369	30.20	27.31
6-09	1620	13.5	.974	5.947	11.098	10.644	67.73	73.62
6-10	1555	19.3	2.461	15.027	10.877	10.073	105.5	123.1
6-11	1609	23.5	3.030	18.501	9.365	8.602	145.1	172.0
6-12	1647	30.6	2.144	13.091	11.657	11.506	160.7	165.0
6-13	1432	28.3	1.634	9.977	10.309	9.725	182.8	205.5
6-14	1516	23.5	2.547	15.552	9.286	8.668	161.2	185.0
6-17	1620	12.4	.687	4.195	9.768	8.988	82.63	97.58
6-18	1538	18.7	1.012	6.179	10.055	8.272	93.69	138.4
6-19	1358	17.0	1.213	7.407	9.528	8.897	110.1	126.2
6-20	1430	25.6	1.309	7.993	11.322	9.447	116.6	167.4
6-21	1433	21.4	2.555	15.601	9.509	9.272	145.3	152.7
6-23	1427	18.9	.726	4.433	9.993	9.365	108.5	123.6
6-25	1000	13.7	1.070	6.533	9.925	8.822	69.54	88.02
6-27	0949	12.9	.809	4.940	9.896	8.876	69.61	86.53

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 16; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 16, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 60.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 60.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 108.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0516, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1545	3.74	0.110	0.672	8.943	7.520	14.22	20.10
5-16	1325	2.61	.070	.427	8.711	6.895	8.43	13.46
5-19	1400	3.22	.070	.427	9.140	7.431	10.33	15.63
5-21	1414	8.31	.759	4.634	8.199	8.951	50.37	42.26
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1136	9.28	.496	3.029	9.154	8.067	42.09	54.20
5-27	1445	5.67	.021	.128	10.101	7.089	18.32	37.18
5-28	1453	4.74	.084	.513	9.288	6.523	15.18	30.78
5-30	1319	3.28	.017	.104	9.992	5.966	7.13	20.02
6-01	1257	3.22	.017	.104	9.320	6.113	8.06	18.74
6-03	1437	3.28	.010	.061	9.233	6.462	9.03	18.43
6-05	1220	3.81	.020	.122	10.450	7.353	9.59	19.37
6-07	1417	4.51	.028	.171	9.920	7.548	13.38	23.11
6-09	1603	13.5	1.578	9.635	9.224	9.711	75.39	68.02
6-10	1530	19.3	2.577	15.735	8.010	8.678	137.9	117.5
6-11	1556	23.5	2.849	17.396	6.907	7.365	187.4	164.8
6-12	1720	30.6	3.097	18.910	11.415	10.017	138.1	179.4
6-13	1450	28.3	1.306	7.974	10.795	9.685	145.5	180.8
6-14	1500	23.5	2.369	14.465	8.749	8.977	156.5	148.7
6-17	1607	12.4	.444	2.711	9.727	8.383	54.38	73.22
6-18	1603	18.7	1.320	8.060	8.535	8.545	104.0	103.8
6-19	1410	17.0	1.350	8.243	8.458	8.548	101.2	99.10
6-20	1411	25.6	1.713	10.460	8.286	9.660	181.5	133.5
6-21	1454	21.4	1.533	9.360	8.309	8.627	135.1	125.3
6-23	1410	18.9	1.051	6.417	9.445	9.063	88.69	96.33
6-25	1025	13.7	.715	4.366	8.662	8.165	62.03	69.82
6-27	1002	12.9	.860	5.251	7.630	7.856	73.14	68.99

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 17; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 17, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 61.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 61.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 109.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0556, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1600	3.74	0.178	1.087	11.433	7.795	7.04	15.14
5-16	1320	2.61	.056	.342	9.399	6.828	5.67	10.74
5-19	1352	3.22	.202	1.233	13.273	8.083	5.34	14.41
5-21	1404	8.31	.891	5.440	10.018	9.826	43.77	45.50
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1145	9.28	.476	2.906	12.570	9.566	21.15	36.52
5-27	1444	5.67	.039	.238	12.261	8.838	9.88	19.01
5-28	1439	4.74	.072	.440	11.333	8.337	8.33	15.40
5-30	1320	3.28	.084	.513	11.890	6.775	3.09	9.51
6-01	1258	3.22	.022	.134	10.909	6.497	3.51	9.89
6-03	1432	3.28	.032	.195	10.070	6.049	4.33	12.01
6-05	1207	3.81	.151	.922	12.074	6.265	4.06	15.07
6-07	1406	4.51	.214	1.307	8.682	6.049	10.46	21.56
6-09	1605	13.5	2.107	12.865	8.752	8.531	76.13	80.13
6-10	1530	19.3	2.304	14.068	8.359	8.706	139.3	128.4
6-11	1536	23.5	2.303	14.062	7.676	8.247	194.0	168.1
6-12	1655	30.6	2.359	14.404	10.430	9.973	184.7	202.0
6-13	1450	28.3	1.328	8.109	9.209	10.079	196.3	163.9
6-14	1445	23.5	2.137	13.049	8.982	8.777	121.5	127.2
6-17	1554	12.4	.598	3.651	10.224	8.113	31.63	50.24
6-18	1553	18.7	1.286	7.852	8.615	8.017	73.65	85.04
6-19	0400	17.0	1.701	10.386	9.205	8.238	69.89	87.26
6-20	1452	25.6	2.344	14.312	9.743	9.728	124.5	124.9
6-21	1438	21.4	1.232	7.523	10.076	9.177	96.12	115.9
6-23	1354	18.9	1.269	7.749	12.858	9.614	48.53	86.80
6-25	1048	13.7	1.096	6.692	10.911	8.907	39.02	58.55
6-27	1020	12.9	.761	4.647	8.268	8.018	60.60	64.43

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 18; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 18, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 62.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 62.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 110.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0602, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1334	3.74	0.133	0.812	13.241	11.854	12.82	15.99
5-16	1310	2.61	.043	.263	12.773	10.496	7.52	11.14
5-19	1345	3.22	.211	1.288	10.499	9.888	13.50	15.22
5-21	1355	8.31	.439	2.681	10.702	9.144	35.40	48.50
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1115	9.28	.369	2.253	13.391	7.991	12.46	34.99
5-27	1430	5.67	.104	.635	11.276	8.424	10.67	19.12
5-28	1433	4.74	.062	.379	11.240	8.020	8.52	16.73
5-30	1312	3.28	.090	.550	11.403	7.095	4.74	12.26
6-01	1246	3.22	.074	.452	11.484	7.238	5.09	12.82
6-03	1422	3.28	.095	.580	11.880	7.470	5.85	14.80
6-05	1202	3.81	.219	1.337	10.929	8.239	10.30	18.13
6-07	1351	4.51	.547	3.340	10.761	9.171	18.72	25.77
6-09	1539	13.5	2.144	13.091	10.035	8.649	68.61	92.36
6-10	1510	19.3	3.781	23.087	8.642	7.405	100.1	136.3
6-11	1558	23.5	1.712	10.453	7.873	6.457	116.0	172.4
6-12	1605	30.6	1.837	11.217	7.127	7.389	223.8	208.2
6-13	1415	28.3	1.080	6.594	9.494	7.631	108.4	167.9
6-14	1423	23.5	.928	5.666	14.089	7.429	33.99	122.3
6-17	1540	12.4	.797	4.866	13.770	7.914	17.10	51.77
6-18	1524	18.7	1.363	8.322	11.234	6.896	37.03	98.26
6-19	1335	17.0	1.672	10.209	9.724	6.913	46.90	92.80
6-20	1420	25.6	2.205	13.464	15.310	7.872	34.85	131.8
6-21	1421	21.4	1.118	6.827	10.348	7.211	57.71	118.8
6-23	1335	18.9	1.188	7.254	12.190	8.122	42.41	95.53
6-25	1100	13.7	1.038	6.338	10.232	7.992	39.97	65.51
6-27	1036	12.9	.854	5.215	11.130	8.494	39.31	67.49

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 19; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 19, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 63.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 63.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 111.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0653, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1535	3.74	0.173	1.056	9.750	9.753	20.02	20.00
5-16	1305	2.61	.164	1.001	8.426	8.342	15.21	15.51
5-19	1339	3.22	.229	1.398	8.439	8.760	21.27	19.74
5-21	1355	8.31	.719	4.390	10.079	10.245	49.92	48.32
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1105	9.28	.322	1.966	10.647	11.327	46.88	41.42
5-27	1426	5.67	.127	.775	10.714	10.803	26.14	25.71
5-28	1422	4.74	.074	.452	9.780	9.335	21.40	23.48
5-30	1303	3.28	.094	.574	8.880	8.188	15.46	18.18
6-01	1241	3.22	.068	.415	9.589	9.136	16.47	18.14
6-03	1408	3.28	.220	1.343	8.826	9.453	22.69	19.78
6-05	1150	3.81	.308	1.881	8.788	9.949	29.87	23.31
6-07	1337	4.51	.758	4.628	8.816	9.943	39.09	30.73
6-09	1540	13.5	1.931	11.791	8.793	9.884	119.8	94.83
6-10	1528	19.3	4.027	24.589	8.750	9.730	167.7	135.6
6-11	1535	23.5	1.428	8.719	8.038	8.708	190.9	162.6
6-12	1545	30.6	.592	3.615	8.637	10.331	297.7	208.1
6-13	1410	28.3	.809	4.940	10.266	11.214	188.1	157.6
6-14	1408	23.5	.770	4.702	9.765	11.211	155.9	118.3
6-17	1518	12.4	.812	4.958	10.604	11.647	71.55	59.31
6-18	1532	18.7	1.334	8.145	9.273	10.241	130.8	107.2
6-19	1317	17.0	1.779	10.863	9.725	10.787	116.3	94.51
6-20	1407	25.6	2.894	17.671	10.384	12.311	173.4	123.3
6-21	1400	21.4	.986	6.021	9.400	10.984	161.2	118.1
6-23	1317	18.9	.798	4.873	9.041	11.185	157.6	103.0
6-25	1120	13.7	1.016	6.204	9.024	10.261	93.31	72.16
6-27	1059	12.9	.848	5.178	9.375	10.350	84.43	69.28

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 20; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 20, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 64.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 64.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 112.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0708, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1515	3.74	0.114	0.696	7.566	7.398	29.45	30.81
5-16	1255	2.61	.210	1.282	6.368	6.196	22.57	23.85
5-19	1330	3.22	.150	.916	6.522	6.398	27.72	28.80
5-21	1346	8.31	.655	3.999	8.360	9.278	70.95	57.60
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1055	9.28	1.069	6.527	8.553	8.643	62.97	61.66
5-27	1409	5.67	.549	3.352	7.912	7.391	36.45	41.78
5-28	1410	4.74	.251	1.533	7.154	6.950	34.40	36.45
5-30	1300	3.28	.272	1.661	6.400	7.279	34.85	26.94
6-01	1236	3.22	.290	1.771	7.689	9.024	34.82	25.28
6-03	1355	3.28	.262	1.600	7.973	9.342	36.70	26.73
6-05	1141	3.81	.230	1.404	8.503	9.629	39.60	30.88
6-07	1321	4.51	.639	3.902	7.462	8.359	47.37	37.75
6-09	1520	13.5	1.193	7.284	7.163	8.076	131.0	103.1
6-10	1456	19.3	3.420	20.883	7.833	8.367	157.4	138.0
6-11	1539	23.5	.735	4.488	7.078	7.939	195.6	155.5
6-12	1515	30.6	.528	3.224	9.784	9.037	174.7	204.7
6-13	1342	28.3	.408	2.491	8.290	9.640	222.7	164.7
6-14	1346	23.5	.874	5.337	8.115	9.337	180.3	136.2
6-17	1501	12.4	1.312	8.011	8.385	9.100	95.15	80.78
6-18	1512	18.7	1.988	12.139	7.372	8.596	168.2	123.7
6-19	1300	17.0	1.336	8.158	7.516	8.705	148.4	110.6
6-20	1335	25.6	2.225	13.586	8.952	10.173	191.4	148.2
6-21	1341	21.4	.843	5.147	8.154	9.049	164.7	133.7
6-23	1338	18.9	.551	3.364	7.871	8.923	156.4	121.7
6-25	1104	13.7	.807	4.928	7.607	8.078	102.7	91.05
6-27	1121	12.9	.891	5.440	7.837	8.355	92.81	81.66

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OE TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 21; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 21, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 65.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 65.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 113.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0757, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1515	3.74	0.180	1.099	7.905	6.392	27.79	42.52
5-16	1250	2.61	.272	1.661	6.936	5.925	23.62	32.36
5-19	1323	3.22	.255	1.557	6.561	5.480	26.90	38.54
5-21	1332	8.31	.679	4.146	9.194	6.938	40.50	71.11
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1039	9.28	1.564	9.550	9.124	7.509	59.07	87.21
5-27	1409	5.67	.822	5.019	10.522	8.815	42.86	61.06
5-28	1402	4.74	.592	3.615	9.092	8.169	42.54	52.69
5-30	1248	3.28	.435	2.656	8.633	8.029	31.42	36.33
6-01	1230	3.22	.319	1.948	9.630	8.571	27.34	34.52
6-03	1350	3.28	.226	1.380	8.578	7.107	24.51	35.70
6-05	1131	3.81	.201	1.227	9.384	7.339	24.71	40.40
6-07	1237	4.51	.316	1.929	6.963	5.484	29.51	47.57
6-09	1520	13.5	.700	4.274	8.804	6.691	62.75	108.6
6-10	1505	19.3	1.201	7.333	8.279	6.571	89.51	142.1
6-11	1507	23.5	.290	1.771	7.902	6.428	110.5	166.9
6-12	1510	30.6	.684	4.177	10.325	7.504	110.7	209.6
6-13	1320	28.3	.687	4.195	14.249	7.908	57.06	185.3
6-14	1311	23.5	1.918	11.711	9.784	6.667	79.74	171.7
6-17	1445	12.4	1.834	11.198	10.255	8.643	74.51	104.9
6-18	1451	18.7	1.891	11.546	8.438	7.347	107.5	141.8
6-19	1245	17.0	.978	5.972	9.235	7.078	77.37	131.7
6-20	1313	25.6	2.771	16.920	12.439	7.553	67.11	182.0
6-21	1322	21.4	.826	5.044	10.129	7.368	82.23	155.4
6-23	1320	18.9	.467	2.852	9.689	7.434	81.98	139.3
6-25	1121	13.7	.949	5.795	8.237	6.677	72.61	110.5
6-27	1135	12.9	.986	6.021	8.868	6.998	60.94	97.86

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 22; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 22, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 66.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 66.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 114.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0808, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1510	3.74	0.144	0.879	10.838	12.586	67.80	50.27
5-16	1247	2.61	.191	1.166	8.290	9.962	53.49	37.04
5-19	1315	3.22	.265	1.618	8.877	10.302	59.59	44.25
5-21	1330	8.31	.256	1.563	11.359	11.494	85.99	83.97
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1012	9.28	1.892	11.553	12.250	13.359	127.4	107.1
5-27	1357	5.67	.912	5.569	11.180	12.872	98.58	74.36
5-28	1356	4.74	.815	4.976	10.436	11.685	78.36	62.51
5-30	1246	3.28	.503	3.071	11.120	11.850	46.74	41.16
6-01	1228	3.22	.349	2.131	11.178	11.154	38.97	39.14
6-03	1340	3.28	.126	.769	10.877	10.955	40.00	39.44
6-05	1126	3.81	.099	.604	10.791	11.046	46.34	44.22
6-07	1228	4.51	.115	.702	10.186	10.060	50.58	51.85
6-09	1455	13.5	.216	1.319	10.652	10.623	111.6	112.2
6-10	1440	19.3	.240	1.465	10.351	10.774	155.2	143.2
6-11	1510	23.5	.465	2.839	10.712	9.746	145.0	175.2
6-12	1616	30.6	1.604	9.794	12.162	11.959	208.7	215.8
6-13	1414	28.3	1.381	8.432	11.833	12.006	211.1	205.0
6-14	1517	23.5	2.344	14.312	10.505	10.920	211.2	195.5
6-17	1427	12.4	2.193	13.390	11.895	12.529	136.6	123.1
6-18	1437	18.7	1.795	10.960	11.575	11.163	142.8	153.6
6-19	1330	17.0	1.038	6.338	11.500	11.341	142.4	146.5
6-20	1248	25.6	1.349	8.237	11.612	12.839	245.1	200.5
6-21	1303	21.4	.857	5.233	11.789	12.200	182.0	170.0
6-23	1300	18.9	.539	3.291	12.410	12.402	149.9	150.1
6-25	1144	13.7	.948	5.788	10.096	10.623	138.8	125.4
6-27	1155	12.9	1.035	6.320	10.842	11.207	119.9	112.2

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 23; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 23, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 67.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 67.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 115.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0853, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1500	3.74	0.133	0.812	10.008	12.231	76.04	50.91
5-16	1240	2.61	.142	.867	9.148	10.852	51.04	36.26
5-19	1308	3.22	.227	1.386	8.718	10.688	66.03	43.94
5-21	1326	8.31	.200	1.221	8.433	10.417	134.8	88.30
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	1024	9.28	1.176	7.181	9.736	11.813	171.2	116.3
5-27	1349	5.67	.736	4.494	9.027	11.114	119.5	78.81
5-28	1350	4.74	.659	4.024	9.221	11.241	96.26	64.77
5-30	1239	3.28	.298	1.820	8.621	10.307	56.47	39.50
6-01	1225	3.22	.167	1.020	9.396	11.620	57.99	37.91
6-03	1333	3.28	.067	.409	9.366	11.666	58.91	37.97
6-05	1120	3.81	.050	.305	9.272	11.642	68.04	43.16
6-07	1219	4.51	.047	.287	7.774	9.796	81.22	51.15
6-09	1500	13.5	.141	.861	8.359	9.597	145.5	110.4
6-10	1448	19.3	.293	1.789	9.535	10.458	177.4	147.4
6-11	1435	23.5	.444	2.711	8.670	9.972	248.8	188.1
6-12	1547	30.6	1.467	8.958	11.019	12.448	324.2	254.1
6-13	1340	28.3	1.514	9.244	10.822	13.015	337.5	233.4
6-14	1445	23.5	2.880	17.585	9.266	10.972	314.4	224.2
6-17	1408	12.4	1.932	11.797	9.865	11.602	180.7	130.7
6-18	1403	18.7	1.312	8.011	10.178	10.810	182.5	161.8
6-19	1313	17.0	.922	5.630	10.061	11.974	218.7	154.4
6-20	1345	25.6	1.783	10.887	9.650	11.727	305.7	207.0
6-21	1402	21.4	.623	3.804	10.162	11.655	242.1	184.1
6-23	1238	18.9	.588	3.590	11.019	12.102	193.9	160.8
6-25	1201	13.7	.611	3.731	8.744	10.131	176.3	131.3
6-27	1050	12.9	.882	5.385	9.163	10.375	155.7	121.4

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 24; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 24, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 68.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 68.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 116.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION OB98, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1455	3.74	0.069	0.421	8.782	8.483	43.60	46.72
5-16	1236	2.61	.118	.721	7.898	7.312	27.17	31.69
5-19	1305	3.22	.113	.690	7.583	7.121	35.02	39.72
5-21	1313	8.31	.307	1.875	10.078	10.200	92.87	90.66
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	0953	9.28	1.144	6.985	8.580	8.501	114.1	116.2
5-27	1340	5.67	.644	3.932	8.604	8.271	68.39	74.01
5-28	1359	4.74	.419	2.558	8.012	7.658	54.72	59.91
5-30	1233	3.28	.135	.824	9.030	8.650	31.93	34.79
6-01	1220	3.22	.099	.604	8.391	8.503	34.88	33.97
6-03	1325	3.28	.049	.299	8.304	8.297	34.59	34.64
6-05	1114	3.81	.018	.110	8.773	8.725	40.38	40.82
6-07	1211	4.51	.049	.299	8.063	8.258	51.86	49.44
6-09	1437	13.5	.157	.959	10.563	10.651	116.2	114.3
6-10	1424	19.3	.291	1.777	10.263	10.171	156.8	159.7
6-11	1444	23.5	1.168	7.132	8.197	8.786	227.3	197.8
6-12	1524	30.6	2.218	13.543	8.808	9.415	318.8	279.0
6-13	1319	28.3	1.935	11.815	9.823	9.256	243.3	274.1
6-14	1421	23.5	2.128	12.994	8.987	8.320	211.2	246.5
6-17	1355	12.4	1.279	7.810	9.629	9.526	128.3	131.1
6-18	1350	18.7	1.119	6.833	9.020	9.531	186.9	167.4
6-19	1257	17.0	.859	5.245	9.773	9.665	155.7	159.2
6-20	1330	25.6	1.156	7.059	10.399	10.807	207.6	192.2
6-21	1343	21.4	1.157	7.065	9.443	9.644	197.2	189.1
6-23	1225	18.9	.952	5.813	10.117	10.431	178.5	168.0
6-25	1225	13.7	.463	2.827	8.895	9.060	139.5	134.5
6-27	1110	12.9	.692	4.225	9.677	9.605	125.8	127.6

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 25; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 25, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 69.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 69.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 117.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0940, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1445	3.74	0.123	0.751	8.522	6.851	23.11	35.75
5-16	1223	2.61	.127	.775	7.434	6.303	15.84	22.04
5-19	1250	3.22	.093	.568	7.503	5.702	17.24	29.85
5-21	1311	8.31	.593	3.621	8.420	7.515	68.69	86.24
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	0937	9.28	1.220	7.449	9.455	9.017	90.43	99.42
5-27	1331	5.67	.533	3.254	9.980	8.984	46.35	57.20
5-28	1445	4.74	.169	1.032	9.408	7.984	34.00	47.21
5-30	1231	3.28	.057	.348	9.463	7.962	18.95	26.77
6-01	1210	3.22	.065	.397	8.187	7.043	19.87	26.84
6-03	1316	3.28	.023	.140	7.787	6.802	21.11	27.68
6-05	1109	3.81	.020	.122	8.631	7.240	22.75	32.32
6-07	1203	4.51	.032	.195	8.159	6.606	26.89	41.02
6-09	1420	13.5	.379	2.314	8.168	8.058	107.4	110.4
6-10	1415	19.3	.992	6.057	8.298	8.447	159.9	154.3
6-11	1412	23.5	1.390	8.487	8.033	7.992	206.2	208.4
6-12	1456	30.6	1.907	11.644	8.046	8.553	320.1	283.3
6-13	1348	28.3	2.258	13.787	7.886	8.464	319.7	277.5
6-14	1359	23.5	2.459	15.015	7.384	8.186	287.1	233.6
6-17	1334	12.4	.846	5.166	9.434	9.028	107.6	117.4
6-18	1459	18.7	1.233	7.529	7.536	8.199	187.4	158.3
6-19	1237	17.0	.590	3.603	8.645	8.805	152.6	147.1
6-20	1310	25.6	1.349	8.237	10.055	10.867	181.0	155.0
6-21	1323	21.4	2.447	14.941	8.257	9.066	207.8	172.4
6-23	1258	18.9	1.215	7.419	8.489	9.424	187.9	152.5
6-25	1145	13.7	.707	4.317	8.308	7.876	110.7	123.2
6-27	1124	12.9	.647	3.951	7.770	8.387	135.1	115.9

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 26; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 26, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 70.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 70.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 118.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 0985, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1440	3.74	0.142	0.867	10.245	9.637	22.77	25.73
5-16	1225	2.61	.133	.812	9.970	8.961	12.12	15.00
5-19	1251	3.22	.166	1.014	8.983	8.502	18.51	20.67
5-21	1305	8.31	1.003	6.124	7.868	8.168	75.24	69.82
5-22	--	16.7	--	--	--	--	--	--
5-24	--	26.2	--	--	--	--	--	--
5-26	0926	9.28	1.499#	9.153#	7.737	8.366	81.48	69.69
5-27	1325	5.67	.280	1.710	8.091	8.543	41.97	37.65
5-28	1234	4.74	.135	.824	7.647	7.812	33.51	32.11
5-30	1240	3.28	.018	.110	8.493	8.912	19.80	17.97
6-01	1210	3.22	.017	.104	9.547	9.372	17.01	17.65
6-03	1310	3.28	.019	.116	9.464	9.513	18.47	18.28
6-05	1103	3.81	.013	.079	9.483	10.140	24.31	21.26
6-07	1158	4.51	.027	.165	8.224	8.806	32.56	28.40
6-09	1435	13.5	.622	3.798	8.008	8.657	107.9	92.35
6-10	1411	19.3	1.867	11.400	7.385	7.940	158.2	136.8
6-11	1433	23.5	2.464	15.045	7.076	6.324	155.9	195.2
6-12	1422	30.6	3.484	21.273	7.027	6.807	254.5	271.2
6-13	1316	28.3	2.262	13.812	7.257	7.748	281.8	247.3
6-14	1341	23.5	1.883	11.498	6.808	7.300	219.0	190.5
6-17	1311	12.4	.383	2.339	7.726	8.871	115.1	87.31
6-18	1417	18.7	1.069	6.527	6.862	7.481	155.2	130.6
6-19	1145	17.0	.450	2.748	7.614	8.405	134.8	110.6
6-20	1244	25.6	.737	4.500	14.049	10.456	56.44	101.9
6-21	1253	21.4	2.714	16.572	8.584	8.408	129.0	134.5
6-23	1237	18.9	1.277	7.797	7.843	8.804	141.4	112.2
6-25	1207	13.7	.739	4.512	6.420	7.161	118.0	94.81
6-27	1143	12.9	.874	5.337	6.658	7.605	115.9	88.85

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 27; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 27, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 71.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 71.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).
BEDLOAD-TRANSPORT RATE IS A TWO-SECTION AVERAGE OF GIVEN SECTION AND NEXT DOWNSTREAM SECTION.

TABLE 119.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1038, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1432	3.74	0.189	1.154	10.558	10.713	21.65	21.03
5-16	1145	2.61	.144	.879	10.246	9.572	10.54	12.08
5-19	1215	3.22	.170	1.038	9.119	9.825	19.28	16.61
5-21	1253	8.31	1.001	6.112	9.185	9.514	65.65	61.20
5-22	1750	16.7	1.981#	12.096#	9.402	9.883	149.7	135.5
5-24	1721	26.2	1.522#	9.293#	8.521	8.062	195.6	218.5
5-26	--	9.28	--	--	--	--	--	--
5-27	1315	5.67	.037	.226	9.448	7.555	18.34	28.68
5-28	1231	4.74	.054	.330	6.597	6.468	23.98	24.94
5-30	1147	3.28	.019	.116	7.235	6.595	11.65	14.02
6-01	1139	3.22	.002	.012	7.900	6.946	10.08	13.04
6-03	1306	3.28	.062	.379	7.876	6.917	10.58	13.72
6-05	1059	3.81	.067	.409	8.767	7.901	12.38	15.24
6-07	1146	4.51	.133	.812	7.126	6.761	19.42	21.57
6-09	1400	13.5	1.539	9.397	9.052	8.364	73.66	86.28
6-10	1402	19.3	2.592	15.827	10.304	8.607	90.08	129.1
6-11	1355	23.5	2.670	16.303	7.873	7.760	183.8	189.2
6-12	1350	30.6	3.356	20.492	8.510	7.269	190.9	261.7
6-13	1214	28.3	2.194	13.397	7.836	6.697	173.2	237.2
6-14	1143	23.5	1.987	12.133	8.301	6.414	103.4	173.2
6-17	1302	12.4	.381	2.326	7.613	7.070	60.43	70.07
6-18	1350	18.7	1.284	7.840	9.360	7.307	67.52	110.8
6-19	1115	17.0	.949	5.795	9.698	8.081	65.52	94.38
6-20	1154	25.6	1.353	8.261	18.926	11.814	31.38	80.54
6-21	1211	21.4	2.157	13.171	10.716	8.494	72.85	116.0
6-23	1220	18.9	1.642	10.026	13.134	9.085	41.59	86.93
6-25	1225	13.7	.594	3.627	7.815	7.442	72.83	80.32
6-27	1200	12.9	1.080	6.594	9.549	7.313	45.53	77.63

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 28; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 28, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 72.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 72.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).
BEDLOAD-TRANSPORT RATE IS A TWO-SECTION AVERAGE OF GIVEN SECTION AND NEXT UPSTREAM SECTION.

TABLE 120.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1077, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1350	3.74	0.132	0.806	9.604	9.488	20.47	20.98
5-16	1145	2.61	.104	.635	10.895	10.495	11.11	11.97
5-19	1202	3.22	.162	.989	9.695	8.966	14.29	16.71
5-21	1233	8.31	1.111	6.784	8.790	7.403	45.99	64.83
5-22	1745	16.7	2.134	13.030	8.516	7.538	105.1	134.2
5-24	1710	26.2	1.314	8.023	7.138	6.495	168.8	203.8
5-26	--	9.28	--	--	--	--	--	--
5-27	1309	5.67	.070	.427	9.162	6.007	11.16	25.96
5-28	1216	4.74	.078	.476	7.153	5.239	12.56	23.42
5-30	1146	3.28	.032	.195	7.412	5.426	7.33	13.69
6-01	1137	3.22	.013	.079	7.912	5.835	6.98	12.83
6-03	1217	3.28	.068	.415	9.365	6.735	6.97	13.47
6-05	1003	3.81	.078	.476	13.025	7.936	5.76	15.51
6-07	1135	4.51	.322	1.966	10.926	6.981	9.62	23.57
6-09	1400	13.5	2.188	13.360	9.584	7.388	56.29	94.74
6-10	1355	19.3	2.548	15.558	7.536	6.877	108.5	130.3
6-11	1401	23.5	2.432	14.850	5.090	5.408	202.3	179.2
6-12	1440	30.6	2.877	17.567	5.202	5.656	296.2	250.5
6-13	1220	28.3	1.062	6.485	5.871	5.748	197.7	206.2
6-14	1116	23.5	1.119	6.833	6.131	5.393	118.5	153.1
6-17	1220	12.4	.461	2.815	11.739	5.481	14.56	66.77
6-18	1511	18.7	1.347	8.225	8.052	5.431	47.79	105.0
6-19	1132	17.0	1.108	6.765	9.027	5.935	39.05	90.31
6-20	1150	25.6	1.637	9.996	10.546	10.337	65.88	68.56
6-21	1219	21.4	1.061	6.478	7.810	6.522	72.24	103.6
6-23	1123	18.9	1.527	9.324	23.332	7.363	7.84	78.74
6-25	1325	13.7	.611	3.731	9.442	5.517	27.33	80.04
6-27	1250	12.9	1.388	8.475	11.462	5.942	19.82	73.77

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OE TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOH AREA (M^2), SEE TABLE 29; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 29, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 73.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 73.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 121.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1120, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE: DRY MASS(2) (KG/S)	BEDLOAD-TRANSPORT RATE: POWER(3) (W/M)	RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4): (5)	RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4): (6)	STREAM POWER(7): (5) (W/M)	STREAM POWER(7): (6) (W/M)
5-14	1345	3.74	0.111	0.678	11.554	10.978	17.28	19.14
5-16	1135	2.61	.084	.513	11.106	11.557	11.96	11.04
5-19	1155	3.22	.071	.434	10.688	9.771	13.49	16.14
5-21	1242	8.31	1.023	6.246	11.814	9.569	42.72	65.12
5-22	1730	16.7	2.224	13.580	10.283	10.508	137.5	131.6
5-24	1654	26.2	.933	5.697	10.570	11.493	199.7	168.9
5-26	---	9.28	---	---	---	---	---	---
5-27	1300	5.67	.057	.348	11.939	13.102	29.76	24.71
5-28	1221	4.74	.083	.507	11.170	11.610	22.79	21.09
5-30	1138	3.28	.036	.220	11.690	12.584	14.57	12.58
6-01	1127	3.22	.019	.116	12.256	12.910	13.08	11.79
6-03	1207	3.28	.079	.482	11.301	11.494	13.32	12.88
6-05	0958	3.81	.081	.495	13.282	12.497	13.83	15.62
6-07	1128	4.51	.372	2.271	10.690	10.047	22.48	25.45
6-09	1338	13.5	2.332	14.239	10.861	10.572	94.03	99.23
6-10	1337	19.3	2.219	13.549	9.725	10.156	141.6	129.8
6-11	1343	23.5	1.479	9.031	8.368	8.786	183.7	166.7
6-12	1420	30.6	1.196	7.303	8.516	9.629	286.4	224.0
6-13	1157	28.3	.854	5.215	9.117	10.446	229.1	174.5
6-14	1100	23.5	.990	6.045	9.001	10.560	176.8	128.5
6-17	1207	12.4	.489	2.986	13.543	12.597	54.01	62.42
6-18	1454	18.7	1.527	9.324	10.259	11.408	126.6	102.4
6-19	1120	17.0	1.612	9.843	11.030	11.343	97.06	91.78
6-20	1133	25.6	1.628	9.941	14.884	14.911	107.5	107.1
6-21	1151	21.4	1.053	6.430	11.011	12.002	127.2	107.1
6-23	1107	18.9	1.398	8.536	14.432	13.367	79.53	92.71
6-25	1345	13.7	.585	3.572	11.096	10.959	76.61	78.54
6-27	1308	12.9	1.560	9.525	10.129	11.022	88.96	75.13

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 30; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 30, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 74.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 74.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 122.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1155, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1341	3.74	0.085	0.519	9.678	10.798	23.34	18.75
5-16	1125	2.61	.060	.366	9.340	10.437	15.02	12.03
5-19	1152	3.22	.087	.531	9.513	10.089	19.42	17.26
5-21	1245	8.31	1.285	7.846	8.992	10.750	100.00	69.96
5-22	1720	16.7	2.126	12.981	11.059	12.310	159.9	129.1
5-24	1655	26.2	.885	5.404	13.615	14.090	164.2	153.3
5-26	—	9.28	—	—	—	—	—	—
5-27	1255	5.67	.106	.647	10.674	11.915	34.19	27.44
5-28	1206	4.74	.064	.391	9.464	11.498	31.15	21.10
5-30	1132	3.28	.028	.171	9.808	11.274	18.16	13.74
6-01	1120	3.22	.033	.201	9.858	11.425	19.18	14.28
6-03	1201	3.28	.086	.525	9.798	10.907	20.02	16.16
6-05	0948	3.81	.217	1.325	9.870	11.668	27.20	19.46
6-07	1119	4.51	.504	3.077	8.266	9.812	41.62	29.54
6-09	1345	13.5	2.400	14.654	8.489	10.286	164.2	111.8
6-10	1335	19.3	2.020	12.334	9.535	10.675	175.3	139.9
6-11	1343	23.5	.697	4.256	10.337	10.360	153.1	152.4
6-12	1355	30.6	.460	2.809	11.579	11.078	186.8	204.1
6-13	1200	28.3	.261	1.594	13.161	12.395	141.4	159.4
6-14	1042	23.5	.850	5.190	10.421	11.503	157.9	129.5
6-17	1159	12.4	.486	2.968	9.969	12.396	105.2	68.06
6-18	1438	18.7	1.212	7.400	8.893	10.385	159.6	117.0
6-19	1100	17.0	1.555	9.495	9.808	11.016	137.7	109.2
6-20	1116	25.6	1.066	6.509	16.782	13.259	86.57	138.7
6-21	1129	21.4	1.330	8.121	11.476	11.776	134.7	128.0
6-23	1050	18.9	.940	5.740	10.142	11.602	155.9	119.1
6-25	1405	13.7	1.208	7.376	8.482	10.199	128.2	88.65
6-27	1324	12.9	1.475	9.006	9.260	10.607	120.2	91.64

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 31; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 31, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 75.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 75.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 123.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1202, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (M/M)	(5)	(6)	(5) (M/M)	(6) (M/M)
5-14	1330	3.74	0.124	0.757	10.439	8.410	13.13	20.23
5-16	1123	2.61	.182	1.111	11.365	7.314	5.97	14.42
5-19	1140	3.22	.100	.611	8.050	7.276	15.42	18.88
5-21	1141	8.31	.960	5.862	7.225	7.481	78.10	72.85
5-22	1658	16.7	1.780	10.869	10.333	9.522	111.0	130.7
5-24	1630	26.2	.660	4.030	16.036	12.916	91.37	140.9
5-26	--	9.28	--	--	--	--	--	--
5-27	1252	5.67	.070	.427	9.484	9.367	30.83	31.61
5-28	1200	4.74	.049	.299	10.836	9.078	17.39	24.78
5-30	1131	3.28	.027	.165	10.606	8.677	12.17	18.17
6-01	1116	3.22	.281	1.716	11.177	8.252	10.29	18.88
6-03	1150	3.28	.140	.855	10.066	8.668	14.62	19.72
6-05	0939	3.81	.314	1.917	10.864	10.043	20.14	23.57
6-07	1120	4.51	.479	2.925	7.302	7.666	36.01	32.67
6-09	1320	13.5	1.701	10.386	8.665	8.612	118.9	120.4
6-10	1317	19.3	1.340	8.182	9.129	9.254	142.2	138.4
6-11	1325	23.5	.527	3.218	11.401	9.766	100.7	137.2
6-12	1258	30.6	.293	1.789	13.675	11.161	116.1	174.4
6-13	1145	28.3	.228	1.392	14.185	11.737	101.6	148.4
6-14	1025	23.5	.779	4.757	14.193	11.319	80.85	127.1
6-17	1144	12.4	.476	2.906	9.662	9.515	85.12	87.79
6-18	1423	18.7	1.112	6.790	9.800	8.928	114.4	137.8
6-19	1043	17.0	1.337	8.164	9.391	9.525	127.6	124.0
6-20	1056	25.6	.793	4.842	10.696	13.106	228.3	152.0
6-21	1115	21.4	1.826	11.150	11.711	11.083	127.0	141.8
6-23	1031	18.9	.641	3.914	9.459	10.628	181.9	144.1
6-25	1425	13.7	1.586	9.684	9.216	8.740	95.89	106.6
6-27	1338	12.9	1.091	6.662	8.329	8.219	105.6	108.4

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 32; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 32, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 76.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 76.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 124.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1241, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1320	3.74	0.331	2.021	8.318	7.059	17.82	24.75
5-16	1110	2.61	.736	4.494	7.692	7.360	15.89	17.36
5-19	1139	3.22	.306	1.868	8.510	9.134	23.54	20.43
5-21	1132	8.31	.778	4.750	7.348	7.212	65.93	68.45
5-22	1655	16.7	1.594	9.733	9.522	9.179	114.1	122.8
5-24	1615	26.2	.443	2.705	10.796	10.403	122.2	131.6
5-26	---	9.28	---	---	---	---	---	---
5-27	1200	5.67	.279	1.704	7.269	6.297	27.59	36.77
5-28	1154	4.74	.223	1.362	7.537	6.134	19.06	28.78
5-30	1129	3.28	.216	1.319	6.996	5.784	15.48	22.66
6-01	1115	3.22	.446	2.723	9.907	9.653	21.47	22.61
6-03	1138	3.28	.235	1.435	9.015	9.702	25.45	21.98
6-05	0935	3.81	.448	2.735	8.875	9.483	29.04	25.43
6-07	1107	4.51	.571	3.487	7.977	7.911	30.60	31.11
6-09	1320	13.5	1.620	9.892	8.189	7.868	99.67	108.0
6-10	1310	19.3	1.009	6.161	10.067	8.898	101.0	129.3
6-11	1307	23.5	.508	3.102	9.061	8.218	107.5	130.7
6-12	1225	30.6	.234	1.429	9.702	9.182	132.9	148.4
6-13	1130	28.3	.220	1.343	10.037	9.562	125.0	137.7
6-14	1008	23.5	.612	3.737	10.658	9.253	88.68	117.7
6-17	1130	12.4	1.387	8.469	9.697	8.117	68.55	97.83
6-18	1401	18.7	1.097	6.698	9.075	8.482	119.8	137.2
6-19	1025	17.0	1.194	7.291	8.398	8.518	128.2	124.6
6-20	1134	25.6	.868	5.300	10.049	11.456	183.6	141.3
6-21	1051	21.4	1.742	10.637	9.058	9.787	163.9	140.4
6-23	1117	18.9	.794	4.848	9.248	8.629	132.4	152.1
6-25	1445	13.7	1.830	11.174	8.352	7.259	87.80	116.2
6-27	1406	12.9	1.057	6.454	8.181	8.050	108.0	111.6

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 33; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 33, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 77.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 77.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 125.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1284, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1312	3.74	0.592	3.615	9.186	9.718	34.63	30.94
5-16	1105	2.61	.806	4.921	8.159	9.475	29.38	21.79
5-19	1125	3.22	.320	1.954	7.918	7.667	22.28	23.76
5-21	1125	8.31	.420	2.565	7.433	7.625	62.31	59.21
5-22	1640	16.7	.816	4.982	8.085	9.069	135.1	107.3
5-24	1610	26.2	.404	2.467	10.545	11.908	155.4	121.8
5-26	--	9.28	--	--	--	--	--	--
5-27	1151	5.67	.405	2.473	10.319	8.759	32.79	45.51
5-28	1135	4.74	.221	1.349	8.981	8.974	37.43	37.48
5-30	1115	3.28	.387	2.363	9.703	10.413	33.24	28.86
6-01	1110	3.22	.612	3.737	8.000	9.148	36.36	27.81
6-03	1130	3.28	.206	1.258	8.071	7.976	26.31	26.94
6-05	0925	3.81	.263	1.606	8.799	8.532	27.53	29.28
6-07	1100	4.51	.349	2.131	7.441	6.716	26.90	33.01
6-09	1255	13.5	.624	3.810	7.140	7.813	111.3	92.97
6-10	1301	19.3	.787	4.805	8.785	9.045	124.5	117.5
6-11	1319	23.5	.858	5.239	7.850	9.241	172.5	124.5
6-12	1245	30.6	.225	1.374	9.508	11.185	193.3	139.7
6-13	1226	28.3	.237	1.447	9.858	11.046	169.8	135.2
6-14	1600	23.5	.610	3.725	8.722	10.475	171.1	118.7
6-17	1208	12.4	1.958	11.956	8.345	9.483	129.3	100.2
6-18	1340	18.7	1.286	7.852	7.657	8.804	174.4	131.9
6-19	1054	17.0	.921	5.624	8.783	8.772	121.1	121.4
6-20	1114	25.6	.903	5.514	13.734	12.633	109.9	129.9
6-21	1151	21.4	1.516	9.257	9.129	10.073	161.9	133.0
6-23	1100	18.9	.903	5.514	9.825	10.086	149.0	141.4
6-25	1327	13.7	2.042	12.468	7.336	8.138	137.6	111.8
6-27	1256	12.9	1.039	6.344	7.635	7.811	114.3	109.2

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 34; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 34, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 78.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 78.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 126.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1315, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1311	3.74	0.647	3.951	8.692	8.546	38.26	39.58
5-16	1055	2.61	.690	4.213	7.454	6.660	22.80	28.56
5-19	1121	3.22	.305	1.862	7.945	6.396	19.88	30.67
5-21	1119	8.31	.263	1.606	10.068	7.193	28.96	56.72
5-22	1627	16.7	.626	3.822	10.588	9.166	77.02	102.8
5-24	1449	26.2	.708	4.323	11.854	11.456	110.9	118.7
5-26	--	9.28	--	--	--	--	--	--
5-27	1140	5.67	.455	2.778	8.890	9.140	58.17	55.03
5-28	1143	4.74	.361	2.204	8.485	8.243	44.73	47.39
5-30	1114	3.28	.477	2.913	7.666	7.669	36.19	36.17
6-01	1059	3.22	.357	2.180	7.876	6.933	27.20	35.11
6-03	1122	3.28	.174	1.062	8.375	6.726	21.95	34.03
6-05	0918	3.81	.173	1.056	9.389	7.271	22.11	36.87
6-07	1058	4.51	.256	1.563	8.754	6.402	20.43	38.19
6-09	1300	13.5	.719	4.390	12.452	7.692	34.18	89.59
6-10	1231	19.3	.988	6.033	11.223	9.529	84.19	116.8
6-11	1316	23.5	.994	6.069	10.527	9.041	92.95	126.0
6-12	1220	30.6	.292	1.783	11.645	11.040	117.4	130.6
6-13	1204	28.3	.492	3.004	10.999	11.046	133.7	132.5
6-14	1535	23.5	.712	4.347	11.242	10.233	107.7	130.0
6-17	1136	12.4	1.989	12.145	9.128	9.076	105.2	106.4
6-18	1225	18.7	.953	5.819	9.972	8.805	107.5	137.9
6-19	1029	17.0	1.115	6.808	10.692	9.122	88.78	122.0
6-20	1050	25.6	.715	4.366	25.277	13.759	31.93	107.8
6-21	1125	21.4	1.189	7.260	12.710	10.343	86.42	130.5
6-23	1033	18.9	1.008	6.155	9.928	9.862	130.1	131.9
6-25	1358	13.7	1.433	8.750	7.138	7.539	133.3	119.5
6-27	1320	12.9	1.082	6.607	8.043	7.649	101.2	111.9

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OE TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 35; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 35, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 79.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 79.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 127.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1360, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1255	3.74	0.488	2.980	11.567	11.834	51.62	49.32
5-16	1055	2.61	.182	1.111	11.182	11.249	34.59	34.18
5-19	1115	3.22	.135	.824	10.703	10.803	39.01	38.28
5-21	1115	8.31	.264	1.612	12.610	11.465	58.82	71.15
5-22	1615	16.7	.515	3.145	15.737	13.667	89.55	118.7
5-24	1450	26.2	1.024	6.253	16.625	17.265	129.6	120.2
5-26	---	9.28	---	---	---	---	---	---
5-27	1132	5.67	.329	2.009	10.749	11.610	82.69	70.88
5-28	1124	4.74	.256	1.563	10.090	10.984	73.14	61.73
5-30	1107	3.28	.339	2.070	11.282	11.551	46.56	44.42
6-01	1058	3.22	.211	1.288	11.815	11.798	42.49	42.61
6-03	1115	3.28	.135	.824	11.868	12.572	47.32	42.17
6-05	0910	3.81	.095	.580	13.079	13.540	50.27	46.90
6-07	1050	4.51	.192	1.172	10.956	11.202	55.20	52.80
6-09	1210	13.5	.617	3.767	13.764	12.359	87.63	108.7
6-10	1201	19.3	1.163	7.101	13.147	13.347	138.9	134.7
6-11	1144	23.5	1.142	6.973	13.976	14.095	132.6	130.4
6-12	1201	30.6	.360	2.198	16.510	17.690	135.5	118.0
6-13	1150	28.3	.696	4.250	16.844	17.846	141.7	126.2
6-14	1504	23.5	1.117	6.820	15.499	14.742	137.4	151.8
6-17	1122	12.4	1.244	7.596	14.173	13.056	105.5	124.3
6-18	1210	18.7	.880	5.373	15.141	13.538	123.4	154.3
6-19	1013	17.0	1.030	6.289	14.964	14.910	135.3	136.2
6-20	1035	25.6	.565	3.450	22.994	22.710	111.6	114.4
6-21	1107	21.4	1.485	9.067	18.496	17.151	118.9	138.3
6-23	1018	18.9	.897	5.477	17.984	16.595	119.6	140.4
6-25	1435	13.7	1.206	7.364	14.678	12.225	93.81	135.2
6-27	1355	12.9	1.018	6.216	13.182	12.662	116.7	126.5

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 36; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 36, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 80.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 80.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 128.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1396, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1245	3.74	0.270	1.649	9.311	9.966	54.75	47.79
5-16	1030	2.61	.073	.446	9.803	10.982	40.05	31.91
5-19	1107	3.22	.156	.953	8.171	9.564	54.18	39.55
5-21	1102	8.31	.274	1.673	10.730	11.694	90.91	76.55
5-22	1558	16.7	.612	3.737	16.142	15.278	103.9	116.0
5-24	1422	26.2	1.207	7.370	23.791	19.432	73.23	109.8
5-26	---	9.28	---	---	---	---	---	---
5-27	1126	5.67	.221	1.349	10.720	10.694	73.55	73.90
5-28	1128	4.74	.340	2.076	10.333	10.405	63.49	62.61
5-30	1102	3.28	.176	1.075	10.857	11.302	46.81	43.19
6-01	1053	3.22	.146	.891	10.835	11.831	49.27	41.32
6-03	1104	3.28	.131	.800	9.643	10.747	53.84	43.35
6-05	0900	3.81	.111	.678	10.235	11.588	62.71	48.93
6-07	1038	4.51	.292	1.783	8.575	9.704	73.85	57.66
6-09	1158	13.5	.798	4.873	10.935	12.372	149.8	117.0
6-10	1145	19.3	1.078	6.582	12.536	14.137	177.6	139.7
6-11	1128	23.5	.714	4.360	14.258	16.215	140.0	108.2
6-12	1144	30.6	.318	1.942	25.081	21.426	66.95	91.74
6-13	1138	28.3	.769	4.696	21.378	20.018	90.28	103.0
6-14	1448	23.5	1.148	7.010	13.966	15.051	156.9	135.1
6-17	1110	12.4	.681	4.158	11.715	11.999	126.9	121.0
6-18	1158	18.7	.764	4.665	12.124	13.683	182.7	143.4
6-19	1001	17.0	.871	5.318	11.856	12.912	157.2	132.5
6-20	1021	25.6	.327	1.997	18.093	21.102	151.8	111.6
6-21	1053	21.4	1.488	9.086	14.462	15.756	153.1	129.0
6-23	1003	18.9	.583	3.560	15.294	15.194	131.2	133.0
6-25	1445	13.7	.313	1.911	10.971	11.019	129.9	128.8
6-27	1410	12.9	.933	5.697	10.933	11.487	133.1	120.6

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 37; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 37, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 81.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 81.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 129.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1425, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1240	3.74	0.159	0.971	11.269	13.214	57.78	42.02
5-16	1028	2.61	.059	.360	10.362	12.071	37.93	27.95
5-19	1100	3.22	.166	1.014	9.829	11.409	48.97	36.34
5-21	1056	8.31	.314	1.917	10.301	12.361	113.3	78.70
5-22	1540	16.7	.742	4.531	12.735	15.600	180.1	120.0
5-24	1400	26.2	1.291	7.883	19.517	19.529	119.9	119.8
5-26	—	9.28	—	—	—	—	—	—
5-27	1120	5.67	.226	1.380	10.965	12.505	88.46	68.01
5-28	1110	4.74	.218	1.331	9.706	11.077	74.98	57.58
5-30	1056	3.28	.134	.818	9.995	11.494	51.44	38.89
6-01	1049	3.22	.169	1.032	10.588	12.165	50.29	38.09
6-03	1100	3.28	.131	.800	11.426	12.821	51.73	41.08
6-05	0855	3.81	.119	.727	11.828	13.653	62.54	46.94
6-07	1034	4.51	.271	1.655	8.666	10.166	77.91	56.61
6-09	1150	13.5	.854	5.215	10.960	12.346	161.7	127.5
6-10	1150	19.3	1.648	10.063	13.516	13.990	162.8	151.9
6-11	1112	23.5	.893	5.453	15.844	16.359	118.6	111.2
6-12	1126	30.6	.352	2.149	24.109	22.812	78.29	87.45
6-13	1121	28.3	.778	4.750	19.137	20.161	115.0	103.6
6-14	1428	23.5	1.435	8.762	13.210	14.759	173.2	138.7
6-17	1055	12.4	.593	3.621	11.224	12.552	150.6	120.4
6-18	1143	18.7	1.188	7.254	12.396	13.934	185.8	147.1
6-19	0945	17.0	.852	5.202	11.798	13.176	170.6	136.8
6-20	1004	25.6	.619	3.780	18.454	21.091	160.9	123.2
6-21	1037	21.4	1.253	7.651	14.244	16.115	170.8	133.5
6-23	0948	18.9	.593	3.621	14.643	16.369	163.2	130.6
6-25	1507	13.7	.407	2.485	9.847	11.823	176.6	122.5
6-27	1425	12.9	1.033	6.307	10.265	11.812	154.2	116.5

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 38; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 38, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 82.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 82.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 130.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1481, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1242	3.74	0.122	0.745	6.591	5.757	30.65	40.16
5-16	1020	2.61	.021	.128	5.791	4.951	19.17	26.22
5-19	1055	3.22	.123	.751	5.742	4.936	25.91	35.07
5-21	1047	8.31	.175	1.069	7.036	6.827	74.03	78.63
5-22	1535	16.7	.927	5.660	10.380	9.994	118.5	127.9
5-24	1350	26.2	1.076	6.570	16.468	16.414	120.2	121.0
5-26	---	9.28	---	---	---	---	---	---
5-27	1105	5.67	.305	1.862	7.343	7.232	58.41	60.21
5-28	1108	4.74	.344	2.100	7.040	6.944	48.01	49.34
5-30	1052	3.28	.112	.684	6.453	6.109	30.38	33.89
6-01	1042	3.22	.209	1.276	6.470	6.100	29.44	33.12
6-03	1047	3.28	.087	.531	6.223	5.893	31.95	35.63
6-05	0845	3.81	.135	.824	6.722	6.313	36.18	41.02
6-07	1022	4.51	.243	1.484	6.224	5.960	46.48	50.69
6-09	1131	13.5	.763	4.659	9.151	8.940	125.2	131.2
6-10	1120	19.3	1.875	11.449	11.735	10.728	131.4	157.2
6-11	1024	23.5	.812	4.958	15.653	13.221	87.37	122.5
6-12	1032	30.6	.421	2.571	18.775	19.081	95.34	92.31
6-13	1037	28.3	1.025	6.259	22.342	17.889	72.44	113.0
6-14	1130	23.5	1.418	8.658	15.565	12.888	99.47	145.1
6-17	1033	12.4	.632	3.859	9.372	9.028	113.1	121.8
6-18	1104	18.7	1.466	8.951	12.765	10.997	115.8	156.0
6-19	0914	17.0	.647	3.951	11.348	10.424	117.6	139.4
6-20	0930	25.6	.707	4.317	20.516	16.602	92.16	140.7
6-21	1004	21.4	1.042	6.362	14.269	12.826	112.4	139.1
6-23	0916	18.9	.534	3.261	13.235	12.700	122.1	132.6
6-25	1533	13.7	.553	3.377	10.081	9.408	105.5	121.1
6-27	1442	12.9	1.072	6.546	9.842	8.749	91.83	116.2

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 39; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 39, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 83.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 83.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 131.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1533, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1220	3.74	0.045	0.275	8.379	5.717	16.85	36.19
5-16	1014	2.61	.013	.079	8.184	5.384	9.99	23.07
5-19	1045	3.22	.066	.403	8.188	5.502	13.76	30.47
5-21	1047	8.31	.144	.879	9.531	7.362	43.57	73.01
5-22	1515	16.7	1.587	9.690	12.967	9.762	78.71	138.9
5-24	1340	26.2	1.160	7.083	12.951	14.620	166.5	130.6
5-26	--	9.28	---	---	---	---	--	--
5-27	1105	5.67	.384	2.345	8.102	6.950	37.33	50.73
5-28	1058	4.74	.260	1.588	7.445	6.192	28.45	41.13
5-30	1046	3.28	.169	1.032	7.710	6.497	19.44	27.38
6-01	1038	3.22	.107	.653	8.497	7.074	18.42	26.57
6-03	1037	3.28	.075	.458	7.196	6.242	21.21	28.18
6-05	0835	3.81	.111	.678	8.953	7.590	22.99	31.98
6-07	1012	4.61	.115	.702	7.694	6.343	27.55	40.53
6-09	1130	13.5	.877	5.355	9.230	8.259	99.56	124.4
6-10	1120	19.3	1.902	11.614	10.291	9.839	147.4	161.2
6-11	1006	23.5	.822	5.019	14.024	12.306	104.8	136.1
6-12	1010	30.6	.937	5.721	18.842	17.639	97.44	111.2
6-13	1015	28.3	1.338	8.170	16.690	15.705	116.1	131.1
6-14	1050	23.5	1.815	11.082	12.717	11.903	133.5	152.4
6-17	1016	12.4	1.267	7.736	9.526	8.448	91.08	115.8
6-18	1043	18.7	1.698	10.368	11.006	10.007	132.3	160.1
6-19	0900	17.0	.670	4.091	10.623	9.279	111.4	146.1
6-20	0915	25.6	1.225	7.480	16.864	13.802	121.6	181.6
6-21	0947	21.4	1.113	6.796	13.107	11.412	118.4	156.2
6-23	0904	18.9	.633	3.865	12.489	10.847	109.9	145.7
6-25	1555	13.7	.803	4.903	10.179	8.289	79.59	120.0
6-27	1425	12.9	1.197	7.309	9.568	8.088	80.04	112.0

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 40; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 40, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 84.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 84.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 132.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1573, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1222	3.74	0.075	0.458	7.056	8.821	49.12	31.43
5-16	1010	2.61	.014	.085	6.632	8.516	32.57	19.75
5-19	1042	3.22	.065	.397	6.499	8.295	42.51	26.09
5-21	1039	8.31	.325	1.984	9.810	9.829	67.36	67.10
5-22	1514	16.7	1.767	10.789	11.899	12.070	149.0	144.8
5-24	1321	26.2	1.009	6.161	20.477	17.087	102.4	147.0
5-26	---	9.28	---	---	---	---	---	---
5-27	1052	5.67	.348	2.125	9.602	9.441	42.03	43.47
5-28	1057	4.74	.385	2.351	9.802	9.278	31.60	35.26
5-30	1043	3.28	.116	.708	9.323	9.888	24.51	21.79
6-01	1033	3.22	.121	.739	9.408	9.859	22.73	20.70
6-03	1026	3.28	.064	.391	8.628	8.809	23.06	22.12
6-05	0826	3.81	.096	.586	9.860	10.070	25.52	24.47
6-07	1016	4.51	.216	1.319	8.815	8.284	29.66	33.58
6-09	1110	13.5	.902	5.508	10.278	10.365	122.9	120.9
6-10	1105	19.3	2.071	12.646	12.046	12.164	166.2	163.0
6-11	0951	23.5	.961	5.868	12.806	13.963	181.3	152.5
6-12	0954	30.6	1.020	6.228	20.464	18.790	116.8	138.5
6-13	0953	28.3	1.298	7.926	16.046	17.461	181.5	153.3
6-14	1008	23.5	1.684	10.283	12.638	13.427	186.5	165.2
6-17	1000	12.4	1.713	10.460	10.196	10.826	124.5	110.4
6-18	1023	18.7	1.438	8.780	11.144	11.735	185.5	167.3
6-19	0849	17.0	.553	3.377	10.682	10.938	158.0	150.7
6-20	0904	25.6	1.007	6.149	15.913	15.510	206.0	216.8
6-21	0933	21.4	1.075	6.564	13.056	12.961	165.9	168.4
6-23	0851	18.9	.655	3.999	14.129	12.826	130.4	158.2
6-25	1616	13.7	.656	4.006	10.093	10.366	122.1	115.8
6-27	1447	12.9	1.053	6.430	9.231	10.291	134.3	108.1

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 41; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 41, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 85.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 85.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 133.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1610, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1155	3.74	0.113	0.690	6.563	7.652	40.89	30.07
5-16	1005	2.61	.033	.201	7.062	8.164	25.32	18.94
5-19	1035	3.22	.103	.629	5.911	6.987	34.17	24.45
5-21	1030	8.31	.387	2.363	8.807	9.942	82.99	65.12
5-22	1454	16.7	1.696	10.356	10.236	12.073	203.1	146.0
5-24	1318	26.2	1.535	9.373	18.091	16.418	138.4	168.0
5-26	--	9.28	--	--	--	--	--	--
5-27	1048	5.67	.339	2.070	9.950	9.638	39.11	41.68
5-28	1042	4.74	.316	1.929	9.127	9.210	33.98	33.36
5-30	1013	3.28	.133	.812	10.308	9.924	18.35	19.80
6-01	1023	3.22	.076	.464	10.900	11.118	19.09	18.35
6-03	1008	3.28	.080	.488	10.077	10.038	19.52	19.67
6-05	0807	3.81	.034	.208	11.192	10.767	19.99	21.60
6-07	0958	4.51	.224	1.368	9.055	9.381	32.30	30.08
6-09	1110	13.5	1.331	8.127	9.299	9.818	131.4	117.8
6-10	1057	19.3	1.657	10.118	10.945	12.087	205.1	168.2
6-11	0932	23.5	.837	5.111	12.192	13.803	222.6	173.7
6-12	0925	30.6	1.206	7.364	17.325	19.330	189.1	151.9
6-13	0929	28.3	.957	5.843	15.963	16.545	189.9	176.8
6-14	0939	23.5	1.433	8.750	12.738	13.023	192.7	184.3
6-17	0945	12.4	1.898	11.589	10.113	10.614	117.2	106.4
6-18	1000	18.7	1.318	8.048	10.804	11.978	209.1	170.1
6-19	0831	17.0	.900	5.495	9.846	11.250	202.4	155.1
6-20	0851	25.6	1.071	6.540	11.308	13.789	371.4	249.7
6-21	0915	21.4	1.252	7.645	10.766	12.644	253.8	184.0
6-23	0836	18.9	.824	5.031	10.622	12.355	230.0	170.0
6-25	1635	13.7	.711	4.341	9.308	10.392	143.0	114.8
6-27	1504	12.9	.964	5.886	9.213	10.155	133.1	109.6

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 42; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 42, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 86.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 86.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 134.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1662, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1154	3.74	0.181	1.105	4.869	3.559	14.71	27.54
5-16	0954	2.61	.061	.372	4.832	3.143	7.36	17.40
5-19	1025	3.22	.110	.672	4.634	3.290	11.43	22.68
5-21	1024	8.31	.844	5.153	5.234	4.945	61.73	69.14
5-22	1449	16.7	1.602	9.782	5.865	5.932	157.0	153.5
5-24	1258	26.2	1.957	11.949	7.110	7.790	222.9	185.7
5-26	--	9.28	--	--	--	--	--	--
5-27	1032	5.67	.214	1.307	4.214	3.963	36.40	41.16
5-28	1039	4.74	.360	2.198	3.630	3.480	30.20	32.86
5-30	1005	3.28	.074	.452	3.809	3.285	13.86	18.64
6-01	1023	3.22	.066	.403	3.801	3.276	13.35	17.96
6-03	1003	3.28	.068	.415	3.874	3.389	13.94	18.21
6-05	0801	3.81	.035	.214	4.705	4.118	15.30	19.97
6-07	1000	4.51	.259	1.581	3.371	3.436	30.53	29.40
6-09	1047	13.5	1.538	9.391	5.366	5.291	113.9	117.1
6-10	1038	19.3	1.909	11.656	6.089	5.650	150.9	175.2
6-11	1146	23.5	1.116	6.814	6.754	5.977	155.8	199.0
6-12	1206	30.6	1.041	6.356	8.219	8.330	190.0	184.9
6-13	1107	28.3	.866	5.288	7.699	7.447	187.4	200.3
6-14	0921	23.5	1.821	11.119	6.006	6.213	206.5	192.9
6-17	1112	12.4	1.400	8.548	5.672	5.248	89.59	104.7
6-18	1142	18.7	1.110	6.778	5.443	5.725	184.8	167.0
6-19	1005	17.0	1.890	11.540	5.299	5.200	150.3	156.1
6-20	1034	25.6	1.714	10.466	6.045	6.803	319.5	252.3
6-21	1030	21.4	1.608	9.818	6.251	6.224	186.8	188.4
6-23	1008	18.9	1.194	7.291	5.441	5.974	199.4	165.4
6-25	1520	13.7	.769	4.696	5.232	5.294	116.5	113.8
6-27	1502	12.9	.874	5.337	5.622	5.264	92.15	105.1

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 43; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 43, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 87.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 87.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 135.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1695, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1133	3.74	0.171	1.044	10.852	9.867	18.42	22.27
5-16	0950	2.61	.063	.385	12.315	12.099	12.72	13.18
5-19	1020	3.22	.124	.757	12.108	9.567	11.71	18.76
5-21	1018	8.31	.871	5.318	9.695	8.810	56.97	69.00
5-22	1431	16.7	1.479	9.031	11.072	9.380	106.7	148.7
5-24	1220	26.2	2.069	12.633	12.957	13.759	222.6	197.5
5-26	--	9.28	--	--	--	--	--	--
5-27	1028	5.67	.254	1.551	9.395	11.188	54.05	38.12
5-28	1028	4.74	.196	1.197	9.569	10.759	38.66	30.58
5-30	1005	3.28	.066	.403	11.980	13.798	22.90	17.27
6-01	1018	3.22	.024	.147	13.618	14.805	19.96	16.89
6-03	1000	3.28	.048	.293	12.421	14.161	22.32	17.17
6-05	0757	3.81	.022	.134	12.992	15.326	25.98	18.67
6-07	0948	4.51	.236	1.441	10.620	10.392	27.05	28.25
6-09	1055	13.5	1.390	8.487	10.065	9.828	104.5	109.6
6-10	1050	19.3	1.238	7.559	10.131	9.835	159.4	169.1
6-11	1128	23.5	1.802	11.003	11.217	10.863	184.3	196.4
6-12	1134	30.6	1.085	6.625	17.706	15.071	136.0	187.7
6-13	1050	28.3	.988	6.033	13.965	13.921	200.1	201.4
6-14	0938	23.5	1.940	11.846	11.913	12.581	207.1	185.7
6-17	1058	12.4	1.033	6.307	9.997	10.227	100.4	95.89
6-18	1119	18.7	1.481	9.043	12.032	10.010	106.5	153.9
6-19	0948	17.0	2.312	14.117	11.788	10.453	113.1	143.9
6-20	1014	25.6	2.373	14.490	15.720	12.298	136.4	222.9
6-21	1012	21.4	1.557	9.507	12.593	10.611	126.7	178.5
6-23	0950	18.9	1.239	7.565	11.990	10.664	126.2	159.6
6-25	1540	13.7	.878	5.361	10.219	9.472	93.75	109.1
6-27	1523	12.9	.974	5.947	10.344	9.859	89.75	98.79

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 44; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 44, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 88.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 88.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 136.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1730, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1132	3.74	0.141	0.861	10.415	9.647	14.81	17.26
5-16	0941	2.61	.108	.659	9.785	9.962	10.10	9.74
5-19	1011	3.22	.281	1.716	8.827	9.085	14.60	13.78
5-21	1014	8.31	1.004	6.130	8.807	9.766	75.64	61.52
5-22	1422	16.7	1.751	10.692	11.081	11.017	124.5	125.9
5-24	1155	26.2	2.263	13.818	12.279	12.821	216.0	198.1
5-26	--	9.28	--	--	--	--	--	--
5-27	1016	5.67	.119	.727	9.665	9.329	31.55	33.86
5-28	1024	4.74	.075	.458	9.952	9.002	22.14	27.06
5-30	0959	3.28	.015	.092	10.097	9.460	14.38	16.38
6-01	1016	3.22	.014	.085	9.955	9.765	15.15	15.75
6-03	0944	3.28	.059	.360	10.004	9.503	14.35	15.90
6-05	0737	3.81	.059	.360	11.968	11.067	15.01	17.55
6-07	0940	4.51	.270	1.649	10.032	9.276	21.33	24.95
6-09	1032	13.5	.980	5.984	10.032	9.868	93.81	96.97
6-10	1035	19.3	1.935	11.815	9.638	10.759	183.8	147.5
6-11	1107	23.5	2.645	16.150	9.490	11.585	262.6	176.2
6-12	1113	30.6	1.552	9.477	11.861	14.686	263.5	171.8
6-13	1034	28.3	1.068	6.521	12.437	13.566	217.7	183.0
6-14	0904	23.5	2.238	13.665	12.215	11.485	146.4	165.6
6-17	1045	12.4	.741	4.525	9.707	9.646	82.91	83.97
6-18	1110	18.7	1.350	8.243	11.172	10.632	116.5	128.6
6-19	0932	17.0	2.532	15.460	9.489	9.768	127.7	120.5
6-20	0958	25.6	2.768	16.901	15.122	13.388	126.6	161.5
6-21	0955	21.4	1.568	9.574	11.036	10.907	141.1	144.5
6-23	0934	18.9	1.306	7.974	14.088	10.960	79.63	131.6
6-25	1545	13.7	.878	5.361	11.023	9.419	70.27	96.24
6-27	1543	12.9	.873	5.331	11.076	9.659	64.99	85.46

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 45; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 45, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 89.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 89.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 137.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1766, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1110	3.74	0.172	1.050	7.378	--	16.39	--
5-16	0937	2.61	.269	1.643	11.964	--	5.83	--
5-19	1005	3.22	.280	1.710	9.481	--	15.50	--
5-21	1000	8.31	.576	3.517	6.636	--	76.41	--
5-22	1405	16.7	1.168	7.132	6.610	--	158.3	--
5-24	1139	26.2	1.774	10.832	8.291	--	191.4	--
5-26	--	9.28	--	--	--	--	--	--
5-27	1004	5.67	.216	1.319	6.883	--	20.36	--
5-28	1007	4.74	.163	.995	6.106	--	20.07	--
5-30	0948	3.28	.024	.147	5.891	--	13.52	--
6-01	1005	3.22	.095	.580	5.376	--	15.42	--
6-03	0931	3.28	.068	.415	8.631	--	13.52	--
6-05	0732	3.81	.108	.659	10.550	--	14.06	--
6-07	0931	4.51	.301	1.838	6.932	--	24.38	--
6-09	1030	13.5	.605	3.694	6.128	--	112.0	--
6-10	1022	19.3	1.886	11.516	6.907	--	148.6	--
6-11	1046	23.5	3.103	18.947	8.026	--	148.5	--
6-12	1045	30.6	1.659	10.130	9.949	--	169.2	--
6-13	1016	28.3	1.056	6.448	8.870	--	178.8	--
6-14	0915	23.5	1.337	8.164	7.935	--	143.9	--
6-17	1030	12.4	.702	4.286	5.952	--	85.70	--
6-18	1050	18.7	1.628	9.941	6.041	--	155.1	--
6-19	0910	17.0	1.642	10.026	6.144	--	134.3	--
6-20	0943	25.6	2.080	12.700	8.924	--	156.7	--
6-21	0938	21.4	1.173	7.162	6.562	--	169.0	--
6-23	0917	18.9	1.344	8.206	6.864	--	141.8	--
6-25	1605	13.7	1.113	6.796	5.485	--	121.7	--
6-27	1535	12.9	.904	5.520	5.713	--	104.4	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 46; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 46, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 90.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 90.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 138.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1800, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (M/M)	(5)	(6)	(5) (M/M)	(6) (M/M)
5-14	1110	3.74	0.214	1.307	9.991	--	26.14	--
5-16	0925	2.61	.282	1.722	11.631	--	14.21	--
5-19	0945	3.22	.256	1.563	10.854	--	14.16	--
5-21	0953	8.31	.371	2.265	12.257	--	26.67	--
5-22	1339	16.7	1.082	6.607	12.676	--	65.95	--
5-24	1102	26.2	2.146	13.103	15.811	--	84.07	--
5-26	--	9.28	--	--	--	--	--	--
5-27	0951	5.67	.211	1.288	12.806	--	23.09	--
5-28	0952	4.74	.201	1.227	10.705	--	25.67	--
5-30	0946	3.28	.038	.232	13.564	--	17.36	--
6-01	1005	3.22	.099	.604	13.561	--	13.61	--
6-03	0927	3.28	.067	.409	12.139	--	12.85	--
6-05	0729	3.81	.109	.666	12.768	--	16.87	--
6-07	0925	4.51	.179	1.093	8.956	--	20.11	--
6-09	1008	13.5	.656	4.006	12.846	--	43.32	--
6-10	1006	19.3	2.380	14.532	16.867	--	42.87	--
6-11	1015	23.5	2.062	12.591	15.295	--	69.62	--
6-12	1016	30.6	1.823	11.131	44.555	--	15.09	--
6-13	0952	28.3	.767	4.683	18.054	--	76.85	--
6-14	0845	23.5	1.115	6.808	12.626	--	98.62	--
6-17	1013	12.4	.570	3.480	12.325	--	52.04	--
6-18	1025	18.7	1.269	7.749	13.528	--	64.63	--
6-19	0855	17.0	1.593	9.727	12.916	--	54.55	--
6-20	0916	25.6	1.841	11.241	31.812	--	25.28	--
6-21	0919	21.4	1.481	9.043	13.381	--	79.25	--
6-23	0859	18.9	1.711	10.447	11.709	--	107.3	--
6-25	1620	13.7	1.525	9.312	8.953	--	91.31	--
6-27	1547	12.9	.884	5.398	10.617	--	73.24	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 47; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 47, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 91.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 91.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).

TABLE 139.- SUMMARY DATA OF BEDLOAD TRANSPORT AND RIVER HYDRAULICS, SECTION 1830, EAST FORK RIVER, WYOMING, 1980

DATE	TIME	DISCHARGE(1) (M^3/S)	BEDLOAD-TRANSPORT RATE		RATIO OF MEAN VELOCITY TO SHEAR VELOCITY, U/U_*(4)		STREAM POWER(7)	
			DRY MASS(2) (KG/S)	POWER(3) (W/M)	(5)	(6)	(5) (W/M)	(6) (W/M)
5-14	1036	3.74	0.276#	1.685#	--	--	--	--
5-16	0925	2.61	.313#	1.911#	--	--	--	--
5-19	0935	3.22	.088#	.537#	--	--	--	--
5-21	0953	8.31	.208#	1.270#	--	--	--	--
5-22	1313	16.7	.839#	5.123#	--	--	--	--
5-24	1025	26.2	1.822#	11.125#	--	--	--	--
5-26	--	9.28	--	--	--	--	--	--
5-27	0955	5.67	.283#	1.728#	--	--	--	--
5-28	0958	4.74	.284#	1.734#	--	--	--	--
5-30	0944	3.28	.054#	.330#	--	--	--	--
6-01	1005	3.22	.132#	.806#	--	--	--	--
6-03	0923	3.28	.023#	.140#	--	--	--	--
6-05	0726	3.81	.087#	.531#	--	--	--	--
6-07	0918	4.51	.131#	.800#	--	--	--	--
6-09	1000	13.5	.742#	4.531#	--	--	--	--
6-10	0951	19.3	2.124#	12.969#	--	--	--	--
6-11	0945	23.5	1.720#	10.502#	--	--	--	--
6-12	0940	30.6	1.467#	8.958#	--	--	--	--
6-13	0928	28.3	.763#	4.659#	--	--	--	--
6-14	0851	23.5	.826#	5.044#	--	--	--	--
6-17	0953	12.4	.562#	3.432#	--	--	--	--
6-18	1008	18.7	1.358#	8.292#	--	--	--	--
6-19	0835	17.0	1.376#	8.402#	--	--	--	--
6-20	0910	25.6	1.770#	10.808#	--	--	--	--
6-21	0907	21.4	1.496#	9.135#	--	--	--	--
6-23	0853	18.9	1.938#	11.833#	--	--	--	--
6-25	1647	13.7	1.821#	11.119#	--	--	--	--
6-27	1614	12.9	.939#	5.734#	--	--	--	--

(1) DISCHARGE AT SECTION 0000 AT TIME SHOWN IN TABLE 50.
(2) DATA TAKEN FROM TOP PART OF TABLE 97.
(3) DATA TAKEN FROM BOTTOM PART OF TABLE 97.
(4) MEAN VELOCITY IS DISCHARGE (M^3/S) DIVIDED BY MAIN-CHANNEL FLOW AREA (M^2), SEE TABLE 48; SHEAR VELOCITY IS THE SQUARE ROOT OF THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), MEAN DEPTH (M) ABOVE THE ACTIVE-BED WIDTH, SEE TABLE 48, AND WATER-SURFACE SLOPE (M/M).
(5) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 5 CHANNEL WIDTHS, SEE TABLE 92.
(6) SLOPE USED IN COMPUTATIONS IS OVER A REACH LENGTH EQUIVALENT TO 15 CHANNEL WIDTHS, SEE TABLE 92.
(7) STREAM POWER IS THE PRODUCT OF GRAVITATIONAL ACCELERATION (9.807 M/S^2), UNIT MASS OF WATER (1000 KG/M^3), DISCHARGE (M^3/S), AND WATER-SURFACE SLOPE (M/M).
\# BEDLOAD-TRANSPORT RATE IS A TWO-SECTION AVERAGE OF GIVEN SECTION AND NEXT DOWNSTREAM SECTION.

TABLE 140.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0043, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	29.5	62.0	78.0	90.2	95.2	98.5	99.5	99.7	100	--	--	--	--	--
5-16	32.5	59.7	78.0	89.7	96.0	98.0	99.2	100	--	--	--	--	--	--
5-19	28.5	51.7	67.2	80.7	89.5	93.5	95.7	97.5	100	--	--	--	--	--
5-21	15.5	45.7	69.5	85.5	94.2	96.2	97.2	99.5	99.7	99.7	100	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	25.5	57.5	74.7	86.0	94.7	97.7	98.7	98.7	99.2	100	--	--	--	--
5-27	26.0	51.7	71.2	79.7	88.7	92.2	95.0	97.7	100	--	--	--	--	--
5-28	32.7	56.7	76.7	87.5	92.2	97.5	98.2	99.5	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	17.5	44.5	68.7	83.5	92.0	98.0	99.7	100	--	--	--	--	--	--
6- 1	39.2	74.5	88.7	96.5	98.5	99.0	99.5	99.5	100	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 7	25.2	49.7	68.5	80.7	88.0	94.0	96.7	98.5	99.0	100	--	--	--	--
6- 9	28.5	53.7	70.2	86.0	93.5	95.7	97.7	99.0	99.7	100	--	--	--	--
6-10	36.2	64.2	79.0	91.5	95.0	97.0	98.7	99.2	100	--	--	--	--	--
6-11	17.0	41.2	62.7	78.7	88.5	95.0	96.7	98.7	99.7	100	--	--	--	--
6-12	18.7	42.7	62.7	75.5	85.0	90.7	95.0	96.2	99.2	99.2	100	--	--	--
6-13	22.2	42.7	56.5	68.7	77.0	85.5	93.0	97.5	99.7	100	--	--	--	--
6-14	28.2	53.2	69.5	83.5	89.5	94.5	97.2	98.7	99.2	99.7	100	--	--	--
6-15	30.7	59.7	76.2	85.2	93.0	94.7	97.2	98.0	99.5	100	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	26.7	56.5	74.5	86.5	92.2	96.2	96.7	98.2	99.7	100	--	--	--	--
6-18	42.5	75.0	89.2	95.7	98.7	99.2	99.7	100	--	--	--	--	--	--
6-19	27.2	55.7	75.7	85.2	93.0	95.7	98.0	99.0	99.7	99.7	100	--	--	--
6-20	28.0	55.7	70.2	80.7	89.0	92.7	96.0	98.5	99.7	99.7	100	--	--	--
6-21	17.5	44.5	62.7	77.2	86.2	92.2	96.0	97.7	99.7	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	30.0	57.2	75.7	87.0	94.2	98.0	99.2	99.5	99.7	100	--	--	--	--
6-25	20.5	37.7	49.7	67.7	79.5	87.2	91.5	95.5	98.7	100	--	--	--	--
6-27	21.5	47.5	64.7	78.0	86.7	93.0	95.5	98.5	99.7	99.7	100	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 141.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0075, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	24.0	48.2	66.0	79.2	87.0	92.0	95.2	97.2	99.2	100	--	--	--	--
5-16	30.7	58.2	76.2	86.5	91.7	96.2	97.5	98.2	99.7	100	--	--	--	--
5-19	26.7	50.7	68.0	78.7	88.7	93.7	96.2	98.5	99.7	100	--	--	--	--
5-21	23.7	54.5	74.2	89.2	95.7	97.2	98.2	99.0	99.0	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	33.2	72.2	91.0	96.7	98.0	99.5	100	--	--	--	--	--	--	--
5-27	30.2	55.2	69.2	76.2	85.7	90.0	93.7	95.7	98.5	99.2	100	--	--	--
5-28	30.2	53.0	69.0	81.0	86.2	92.2	96.0	98.0	99.7	100	--	--	--	--
5-29	17.5	49.2	72.2	87.0	96.5	99.7	100	--	--	--	--	--	--	--
5-30	26.2	61.5	81.5	92.7	98.0	99.2	99.7	100	--	--	--	--	--	--
6- 1	32.2	53.7	71.5	79.0	85.2	88.7	92.5	95.2	99.0	100	--	--	--	--
6- 3	22.5	53.5	71.7	82.5	88.7	91.2	94.7	96.7	98.5	99.7	99.7	100	--	--
6- 5	22.7	43.2	65.2	80.2	86.5	94.7	99.5	99.5	100	--	--	--	--	--
6- 7	22.7	50.0	71.7	86.5	92.2	96.0	97.5	98.2	99.5	99.7	100	--	--	--
6- 9	27.0	53.5	69.5	81.2	88.2	92.0	94.7	97.7	99.2	100	--	--	--	--
6-10	22.7	45.2	64.2	75.5	83.0	90.5	93.5	96.5	99.2	100	--	--	--	--
6-11	34.5	56.5	73.7	82.0	87.5	92.7	95.5	97.7	99.5	100	--	--	--	--
6-12	29.5	51.0	66.5	78.0	83.2	90.2	94.0	96.2	98.5	99.5	100	--	--	--
6-13	31.5	60.2	77.0	86.7	92.5	94.0	97.0	99.2	99.5	100	--	--	--	--
6-14	26.7	51.0	71.2	80.7	89.2	92.0	94.7	96.7	98.2	99.0	99.7	99.7	100	--
6-15	31.2	55.0	73.0	83.7	90.7	95.0	96.5	97.7	99.7	100	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	30.5	56.0	74.0	85.2	90.2	93.5	96.2	97.5	98.7	99.7	100	--	--	--
6-18	28.5	55.0	75.0	86.5	92.2	96.2	98.0	99.0	99.7	100	--	--	--	--
6-19	36.0	63.0	80.5	89.0	96.2	97.2	98.5	99.2	99.7	99.7	99.7	100	--	--
6-20	28.5	58.7	74.2	85.5	92.5	96.7	98.7	100	--	--	--	--	--	--
6-21	15.5	41.0	64.2	80.2	88.7	95.2	97.5	98.7	99.7	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	28.7	52.0	66.2	77.0	83.5	88.7	92.2	95.5	98.5	99.2	99.5	100	--	--
6-25	36.0	64.0	76.7	84.0	91.5	94.5	96.5	97.7	98.5	99.0	99.2	99.5	99.7	100
6-27	38.5	63.2	79.7	88.2	93.2	96.0	97.5	98.7	99.7	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 142.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0137, EAST FORK RIVER, WYOMING, 1980

	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
DATE	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	16.0	35.5	52.7	66.2	77.2	86.0	93.7	97.0	100	--	--	--	--	--
5-16	32.5	58.7	80.2	90.5	95.7	97.5	98.2	98.7	99.7	100	--	--	--	--
5-19	48.0	75.7	88.7	95.7	97.2	97.5	98.0	98.7	99.5	100	--	--	--	--
5-21	34.5	60.5	80.0	91.5	97.0	98.0	99.0	99.2	100	--	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	11.5	31.7	49.5	67.2	81.7	88.2	91.7	96.7	100	--	--	--	--	--
5-27	12.5	30.5	47.7	71.7	83.5	90.0	94.7	97.2	99.7	100	--	--	--	--
5-28	25.5	49.5	66.0	77.0	86.2	92.0	96.0	97.7	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	24.5	46.7	65.7	79.5	86.7	92.0	95.0	97.2	99.5	99.7	100	--	--	--
6- 1	27.5	57.0	73.0	87.5	93.2	95.7	98.0	98.2	100	--	--	--	--	--
6- 3	26.5	50.7	71.0	81.7	91.0	96.5	99.2	99.7	100	--	--	--	--	--
6- 5	40.2	67.0	84.2	96.2	99.2	100	--	--	--	--	--	--	--	--
6- 7	29.7	59.7	78.5	87.2	94.5	96.5	97.7	98.0	99.2	99.5	99.7	100	--	--
6- 9	42.2	69.2	85.5	93.0	97.2	98.5	99.2	99.7	99.7	100	--	--	--	--
6-10	24.2	49.2	72.7	88.5	93.2	96.7	98.2	98.7	100	--	--	--	--	--
6-11	28.2	55.0	74.0	85.5	92.2	95.2	97.0	98.7	99.5	99.5	99.7	100	--	--
6-12	26.5	55.5	73.7	85.0	91.7	95.7	98.5	98.5	99.7	99.7	100	--	--	--
6-13	21.0	43.5	59.7	74.0	80.5	88.0	90.7	94.0	97.7	99.2	99.5	99.7	99.7	100
6-14	21.5	42.7	65.5	76.7	85.2	91.0	96.7	98.0	99.5	100	--	--	--	--
6-15	25.0	44.5	60.5	72.2	81.5	89.2	92.5	95.7	98.5	99.7	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	24.7	50.0	66.2	78.5	88.2	93.0	96.7	98.5	99.7	100	--	--	--	--
6-18	26.0	53.7	74.7	85.0	90.0	94.2	97.2	98.7	99.5	100	--	--	--	--
6-19	19.2	46.5	64.0	77.5	86.7	91.7	95.0	98.2	99.7	100	--	--	--	--
6-20	19.5	46.2	69.0	82.0	89.5	94.5	96.5	98.0	99.7	99.7	100	--	--	--
6-21	23.2	49.7	69.2	80.5	89.7	96.5	97.5	99.0	99.5	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	19.5	44.0	63.7	75.5	82.0	87.7	92.5	96.0	99.2	100	--	--	--	--
6-25	13.7	31.2	46.7	60.2	72.7	81.7	90.2	95.7	99.2	100	--	--	--	--
6-27	27.5	51.7	67.2	83.0	89.7	93.7	96.0	97.7	99.5	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 143.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0178, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	25.7	47.5	71.0	84.2	91.2	93.7	96.2	98.0	99.2	99.5	99.7	99.7	100	--
5-16	26.0	47.7	69.2	76.0	81.5	88.2	92.7	95.7	96.5	99.5	100	--	--	--
5-19	47.7	77.0	90.0	97.0	98.0	98.5	99.0	99.0	99.5	99.5	100	--	--	--
5-21	35.0	71.0	88.0	95.5	98.0	98.0	98.0	98.2	99.0	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	12.5	32.7	50.5	64.5	76.7	83.7	90.5	93.0	97.5	99.0	99.5	100	--	--
5-27	23.0	44.0	61.5	74.7	82.7	91.2	95.7	97.7	100	--	--	--	--	--
5-28	27.5	58.7	75.7	87.0	90.2	94.5	96.5	98.2	99.7	100	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	17.5	43.7	63.2	76.0	84.0	88.0	92.2	95.5	99.0	100	--	--	--	--
6- 1	18.0	37.2	53.2	66.0	74.2	82.2	90.2	94.2	99.2	100	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5	33.2	57.2	76.2	87.7	92.2	96.5	99.2	99.5	100	--	--	--	--	--
6- 7	18.7	42.2	66.2	86.2	95.7	98.7	99.7	99.7	100	--	--	--	--	--
6- 9	30.0	61.2	81.2	90.5	95.5	97.2	99.0	99.0	99.7	100	--	--	--	--
6-10	18.7	44.7	64.2	78.0	87.2	93.7	96.0	97.5	98.2	99.7	99.7	99.7	100	--
6-11	24.5	41.2	63.5	77.2	86.2	91.7	95.7	98.2	99.5	100	--	--	--	--
6-12	26.5	49.2	69.7	79.2	85.0	90.0	94.7	97.0	99.5	100	--	--	--	--
6-13	37.0	66.2	82.0	90.5	97.0	99.0	99.0	99.7	99.7	100	--	--	--	--
6-14	26.0	51.2	69.2	82.5	88.5	92.2	96.5	98.5	99.0	99.5	100	--	--	--
6-15	29.7	52.2	72.0	82.0	88.5	93.5	97.2	99.2	99.5	100	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	27.5	52.7	69.7	82.7	91.2	94.7	97.2	98.5	99.5	99.7	100	--	--	--
6-18	34.5	61.0	80.7	91.0	96.5	98.2	99.2	99.7	99.7	100	--	--	--	--
6-19	28.2	56.5	73.7	86.2	92.2	95.5	97.5	98.7	99.7	100	--	--	--	--
6-20	24.2	50.5	69.7	82.2	91.7	96.2	98.0	98.7	99.2	100	--	--	--	--
6-21	18.5	39.0	60.0	76.7	84.7	92.0	96.5	98.2	100	--	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	21.7	41.0	59.5	72.2	82.5	89.0	93.5	96.7	99.0	100	--	--	--	--
6-25	30.5	53.2	73.5	85.2	92.7	97.5	98.5	99.7	99.7	99.7	100	--	--	--
6-27	27.0	55.0	71.5	81.0	87.2	92.0	95.7	97.5	99.5	99.7	99.7	100	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 144.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0220, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	28.7	49.0	67.2	77.2	83.5	89.0	91.7	93.5	96.0	99.7	100	--	--	--
5-16	24.7	57.0	74.2	87.2	93.2	96.2	98.2	99.0	100	--	--	--	--	--
5-19	32.5	59.7	77.7	89.5	94.0	95.7	97.7	98.2	100	--	--	--	--	--
5-21	28.2	63.5	78.7	91.7	97.0	98.7	99.5	99.7	99.7	99.7	100	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	14.7	38.2	57.2	68.2	79.2	87.7	93.7	95.5	100	--	--	--	--	--
5-27	26.0	48.5	71.5	86.5	91.2	97.0	99.0	99.2	99.7	99.7	100	--	--	--
5-28	31.7	55.5	72.5	83.7	92.0	95.5	96.5	98.5	99.5	99.7	100	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	15.7	35.0	55.2	71.0	81.7	88.2	91.0	94.5	98.0	99.2	99.5	100	--	--
6- 1	21.0	42.5	58.5	71.7	80.2	87.5	91.5	96.0	98.7	99.7	100	--	--	--
6- 3	32.7	63.0	77.2	89.5	95.0	97.7	99.5	100	--	--	--	--	--	--
6- 5	34.2	65.2	85.2	94.0	97.2	98.5	100	--	--	--	--	--	--	--
6- 7	12.7	32.7	55.5	76.0	87.5	95.0	98.0	98.7	99.2	99.5	100	--	--	--
6- 9	17.5	44.7	67.2	80.7	88.2	93.5	97.2	98.7	100	--	--	--	--	--
6-10	22.2	51.7	72.2	84.0	92.0	95.0	97.5	98.7	99.7	100	--	--	--	--
6-11	22.7	45.7	66.2	78.0	86.5	92.0	95.7	98.5	99.7	100	--	--	--	--
6-12	28.5	50.7	65.0	75.7	81.7	88.7	92.5	94.7	98.0	99.0	99.2	99.7	100	--
6-13	30.0	57.2	71.2	81.2	89.5	93.5	97.2	98.5	99.5	100	--	--	--	--
6-14	30.2	56.0	74.2	82.2	89.2	94.0	97.2	99.0	99.7	100	--	--	--	--
6-15	32.7	65.0	80.7	91.0	94.5	97.5	98.0	99.0	99.5	100	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	31.0	58.0	76.2	86.7	92.7	96.7	98.5	99.7	99.7	100	--	--	--	--
6-18	32.2	63.0	79.0	90.2	95.0	96.2	98.5	99.5	99.5	99.7	99.7	100	--	--
6-19	17.2	39.2	55.2	68.7	78.7	86.7	94.0	97.5	99.2	100	--	--	--	--
6-20	18.7	42.5	60.7	75.2	85.5	92.7	95.5	98.2	99.7	100	--	--	--	--
6-21	17.2	38.0	58.7	73.5	85.2	93.0	97.2	98.2	99.7	99.7	99.7	100	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	18.0	47.5	68.7	83.0	90.7	95.7	97.2	98.7	100	--	--	--	--	--
6-25	22.7	41.5	62.0	76.0	85.7	92.0	94.2	97.2	100	--	--	--	--	--
6-27	30.2	56.5	70.7	82.0	90.2	95.5	97.0	99.0	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 145.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0257, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	32.5	58.7	76.5	85.7	90.7	93.5	96.7	98.2	99.0	99.7	100	—	—	—
5-16	42.0	66.5	83.2	89.2	93.2	96.5	98.2	99.5	100	—	—	—	—	—
5-19	23.7	50.5	72.5	86.7	92.7	97.2	99.2	99.5	100	—	—	—	—	—
5-21	13.0	40.0	61.7	80.0	91.5	96.5	98.0	99.7	100	—	—	—	—	—
5-22(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-26	29.5	64.7	83.7	94.0	97.0	97.2	99.2	99.7	99.7	100	—	—	—	—
5-27	18.0	42.5	64.7	78.2	86.7	95.5	97.0	98.5	100	—	—	—	—	—
5-28	27.0	52.2	71.7	81.5	91.7	95.5	98.0	99.0	100	—	—	—	—	—
5-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-30	4.2	19.0	39.5	59.5	76.7	86.0	93.0	97.5	99.5	100	—	—	—	—
6- 1	30.7	59.0	78.2	90.7	95.7	98.7	99.0	99.5	100	—	—	—	—	—
6- 3	23.0	47.0	64.7	79.7	91.2	94.7	98.0	99.2	99.7	100	—	—	—	—
6- 5	23.7	52.7	73.0	85.7	92.0	97.2	98.7	100	—	—	—	—	—	—
6- 7	23.0	50.0	70.5	84.5	94.2	96.7	98.7	99.2	99.5	100	—	—	—	—
6- 9	20.8	42.9	61.2	76.6	83.2	90.3	95.8	97.2	99.3	99.8	100	—	—	—
6-10	21.5	42.6	63.1	79.1	86.8	91.7	94.6	97.0	98.9	99.4	100	—	—	—
6-11	34.0	58.7	73.7	81.2	86.7	91.0	94.5	96.5	98.7	99.5	99.7	100	—	—
6-12	36.4	65.6	80.9	89.9	94.6	96.9	98.4	99.1	100	—	—	—	—	—
6-13	39.3	64.4	78.7	86.6	91.0	94.2	96.4	98.0	99.1	99.4	99.8	100	—	—
6-14	33.2	59.5	77.8	86.7	91.6	94.8	96.7	97.6	99.4	99.8	99.8	99.8	100	—
6-15	16.4	39.0	58.1	73.7	85.4	91.6	95.7	96.7	99.2	99.4	99.8	99.8	100	—
6-16	19.7	46.5	68.7	84.5	89.5	94.5	98.5	99.5	100	—	—	—	—	—
6-17	19.0	41.5	59.2	75.5	84.7	91.0	95.2	97.5	99.7	100	—	—	—	—
6-18	23.7	52.9	74.1	85.7	91.2	96.1	98.6	99.5	100	—	—	—	—	—
6-19	23.0	49.7	72.5	85.7	93.2	95.6	97.6	99.0	100	—	—	—	—	—
6-20	23.7	49.4	73.1	82.7	90.5	93.9	97.3	99.0	99.8	100	—	—	—	—
6-21	15.4	37.2	56.1	70.4	79.9	88.5	94.0	95.2	98.4	100	—	—	—	—
6-22(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-23(2)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-25	22.3	49.8	69.4	78.9	87.7	91.0	94.8	98.5	100	—	—	—	—	—
6-27	22.1	46.1	63.6	73.6	80.0	86.2	91.1	95.6	98.6	99.8	100	—	—	—
6-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 146.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0301, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	37.5	60.5	76.5	85.7	92.2	96.5	97.5	98.2	99.2	100	--	--	--	--
5-16	40.7	71.0	85.7	92.2	96.7	98.7	99.5	99.7	100	--	--	--	--	--
5-19	24.2	51.0	71.2	86.0	92.5	96.7	98.7	99.5	100	--	--	--	--	--
5-21	17.5	43.5	69.7	81.2	89.5	93.0	97.7	99.2	99.7	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	27.2	54.7	74.7	81.5	87.7	92.7	97.0	98.5	99.7	100	--	--	--	--
5-27	20.2	45.7	62.2	76.0	85.7	90.7	93.7	96.2	99.2	100	--	--	--	--
5-28	9.5	20.2	37.7	55.7	71.7	82.5	91.2	97.0	99.7	100	--	--	--	--
5-29	19.5	41.0	58.0	69.7	81.7	89.2	95.2	98.2	99.7	100	--	--	--	--
5-30	19.2	50.2	68.5	79.7	87.5	91.7	95.0	97.5	99.5	100	--	--	--	--
6- 1	21.0	44.0	65.0	83.0	92.7	96.5	98.7	99.5	100	--	--	--	--	--
6- 3	25.2	56.7	74.0	85.7	90.7	94.7	97.2	98.2	99.5	100	--	--	--	--
6- 5	29.2	61.7	77.2	90.0	96.7	97.7	99.0	99.5	99.5	100	--	--	--	--
6- 7	15.0	43.7	67.0	81.0	87.7	93.7	96.5	98.5	99.7	100	--	--	--	--
6- 9	23.2	50.9	68.3	84.1	92.4	95.5	97.4	98.9	99.6	100	--	--	--	--
6-10	22.9	49.9	68.6	81.0	88.1	93.5	96.4	98.7	99.8	100	--	--	--	--
6-11	36.7	63.0	79.8	90.0	95.1	96.8	97.9	99.0	99.5	99.8	100	--	--	--
6-12	36.6	64.9	81.0	89.0	93.1	96.4	97.7	99.2	99.7	99.9	100	--	--	--
6-13	39.9	66.0	81.8	90.2	94.7	97.1	97.8	99.3	99.9	99.9	100	--	--	--
6-14	28.6	61.1	80.3	86.8	91.5	94.5	96.6	97.7	99.4	99.6	99.9	100	--	--
6-15	26.4	51.9	72.3	83.9	91.4	96.1	97.0	98.6	99.8	100	--	--	--	--
6-16	15.2	35.5	59.2	76.2	85.5	91.0	93.5	96.7	99.2	99.7	100	--	--	--
6-17	15.2	31.7	46.5	63.2	74.0	81.0	91.0	94.7	99.0	99.5	99.5	99.7	100	--
6-18	34.2	64.1	84.3	93.2	96.5	98.5	98.8	99.2	99.4	99.8	100	--	--	--
6-19	21.6	47.4	65.9	77.2	86.3	92.7	96.2	97.9	99.7	100	--	--	--	--
6-20	22.8	47.1	63.2	76.3	84.8	90.1	95.0	95.9	98.3	99.8	100	--	--	--
6-21	19.6	40.6	58.2	75.3	85.7	91.3	96.5	98.0	99.8	99.8	99.8	99.8	100	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	31.7	61.3	80.5	92.9	96.0	98.7	98.9	99.8	100	--	--	--	--	--
6-25	27.5	51.4	70.1	82.5	89.2	93.3	96.0	96.8	99.4	99.6	100	--	--	--
6-27	26.9	53.8	74.3	88.4	94.2	97.9	99.0	99.3	99.8	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 147.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0348, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	22.5	45.7	65.7	78.0	86.2	91.7	95.2	97.0	99.7	99.7	100	--	--	--
5-16	20.0	45.7	68.7	82.5	88.0	93.0	96.0	99.0	100	--	--	--	--	--
5-19	20.7	45.5	64.5	79.2	89.7	94.5	96.0	98.2	100	--	--	--	--	--
5-21	15.2	40.5	61.7	75.2	83.0	86.7	90.7	93.5	98.7	99.2	99.2	100	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	37.2	68.7	87.7	94.0	96.7	98.7	99.5	99.5	99.7	100	--	--	--	--
5-27	4.2	19.7	44.7	64.2	80.5	91.0	96.2	97.7	99.7	100	--	--	--	--
5-28	20.7	42.7	56.7	65.5	75.0	84.2	90.2	95.5	98.7	99.7	100	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	18.0	45.5	66.0	83.5	93.7	97.2	98.5	99.2	100	--	--	--	--	--
6- 1	19.7	44.0	64.7	78.0	86.0	89.7	94.0	96.7	98.5	99.7	100	--	--	--
6- 3	30.0	60.7	79.7	91.2	96.2	98.2	99.5	99.7	100	--	--	--	--	--
6- 5	30.7	58.0	78.5	87.7	94.7	97.2	98.2	99.2	100	--	--	--	--	--
6- 7	14.2	40.7	60.5	75.7	85.2	90.2	94.5	96.7	99.2	100	--	--	--	--
6- 9	21.7	51.5	69.0	83.0	89.7	92.0	95.5	97.7	99.2	99.7	100	--	--	--
6-10	23.5	45.5	61.2	76.7	84.7	91.7	93.7	97.0	98.7	99.5	100	--	--	--
6-11	31.2	55.7	71.2	81.2	87.7	92.5	95.7	97.0	97.7	99.0	99.7	100	--	--
6-12	42.5	70.7	83.2	89.7	92.2	95.0	96.0	96.5	97.7	99.0	99.5	99.7	100	--
6-13	34.7	64.2	85.5	92.7	95.7	97.2	98.5	99.0	99.2	99.5	99.7	99.7	100	--
6-14	15.2	41.0	60.0	77.2	86.5	92.7	96.5	98.2	99.0	100	--	--	--	--
6-15	20.5	45.7	68.5	84.2	93.0	97.2	98.7	99.2	99.7	99.7	99.7	100	--	--
6-16	22.2	43.2	58.7	71.0	82.5	89.5	93.7	96.5	99.0	100	--	--	--	--
6-17	23.5	49.2	64.7	75.7	85.0	90.7	95.0	97.7	100	--	--	--	--	--
6-18	22.2	44.7	67.0	83.7	90.5	95.5	97.5	99.2	100	--	--	--	--	--
6-19	20.2	45.5	63.5	77.7	86.2	94.5	95.7	97.7	99.5	100	--	--	--	--
6-20	18.5	40.2	57.5	70.5	81.0	88.2	93.0	96.2	98.5	99.7	100	--	--	--
6-21	24.2	45.7	63.7	76.5	86.5	94.5	96.0	97.7	99.7	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	35.0	65.0	81.0	90.2	95.2	97.0	98.0	98.5	99.7	100	--	--	--	--
6-25	20.2	44.2	62.2	76.7	86.5	94.7	98.7	99.7	100	--	--	--	--	--
6-27	25.7	47.0	62.0	72.2	82.2	88.5	92.2	95.7	99.2	99.7	100	--	--	--
6-29	24.7	53.2	73.2	84.2	91.0	95.2	97.2	99.0	99.7	100	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 148.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0421.
EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	28.7	51.5	72.5	84.7	91.2	95.5	97.7	98.2	99.7	100	--	--	--	--
5-16	19.5	40.0	63.2	79.5	86.0	92.2	95.7	97.2	98.7	100	--	--	--	--
5-19	21.7	46.2	68.5	81.2	88.5	94.2	97.0	98.5	99.5	99.7	100	--	--	--
5-21	26.2	49.7	75.0	90.0	95.7	98.5	98.5	99.2	100	--	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	11.0	39.2	60.5	75.5	89.7	96.0	98.7	99.2	99.7	100	--	--	--	--
5-27	6.7	25.0	44.5	63.2	81.5	89.5	94.0	96.7	99.7	100	--	--	--	--
5-28	21.5	47.0	68.0	82.7	89.0	92.5	96.0	98.2	99.7	99.7	100	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	16.2	45.5	67.0	82.7	89.0	93.0	95.2	96.7	99.7	99.7	100	--	--	--
6- 1	40.7	68.7	82.5	90.7	95.0	96.7	97.7	99.0	100	--	--	--	--	--
6- 3	40.0	70.5	84.5	94.0	97.7	98.7	99.2	99.5	99.7	100	--	--	--	--
6- 5	30.5	66.2	85.7	91.5	95.5	97.7	98.5	99.2	100	--	--	--	--	--
6- 7	24.0	54.0	75.7	89.0	97.7	99.0	99.5	100	--	--	--	--	--	--
6- 9	35.7	60.5	76.5	83.7	87.2	94.5	95.5	97.0	99.5	100	--	--	--	--
6-10	36.5	63.7	79.0	89.0	93.2	96.0	98.2	99.0	100	--	--	--	--	--
6-11	34.7	62.0	79.0	89.2	92.5	95.2	96.2	98.0	99.5	100	--	--	--	--
6-12	28.2	58.5	78.2	85.7	93.7	96.5	98.0	98.2	99.7	100	--	--	--	--
6-13	18.7	40.0	62.7	75.5	82.5	87.5	90.7	95.2	97.5	99.5	100	--	--	--
6-14	16.7	40.7	58.0	73.5	84.7	93.2	96.2	97.7	99.5	99.7	100	--	--	--
6-15	19.7	38.5	57.0	68.0	76.5	83.5	89.0	94.2	98.5	99.7	100	--	--	--
6-16	20.0	46.2	66.0	79.0	87.5	92.0	95.5	98.2	99.5	99.7	100	--	--	--
6-17	28.5	52.0	68.2	81.7	91.7	94.2	96.7	98.0	99.7	100	--	--	--	--
6-18	28.2	56.7	71.5	85.2	91.7	94.5	97.0	98.2	99.0	99.5	100	--	--	--
6-19	37.2	68.0	83.5	88.2	92.5	94.5	96.7	97.7	99.5	100	--	--	--	--
6-20	35.0	62.2	79.0	87.5	93.0	95.0	97.2	98.7	100	--	--	--	--	--
6-21	39.2	70.5	85.7	90.2	94.5	96.7	98.5	98.7	99.5	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	27.0	55.5	76.2	87.0	91.2	95.2	97.7	99.0	99.5	99.7	99.7	99.7	100	--
6-25	14.5	30.2	42.7	59.7	70.0	78.7	88.2	94.0	99.0	99.7	100	--	--	--
6-27	23.0	44.5	66.7	83.0	91.2	95.5	97.2	98.5	99.7	99.7	100	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 149.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0460, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	17.2	43.7	66.5	82.0	91.0	96.2	99.2	99.7	99.7	100	--	--	--	--
5-16	21.5	47.5	65.2	81.7	91.5	94.7	97.7	99.0	100	--	--	--	--	--
5-19	17.5	41.2	64.7	79.0	90.5	96.2	98.7	99.5	100	--	--	--	--	--
5-21	29.5	57.2	78.7	90.7	97.0	97.2	97.7	98.5	98.5	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	7.2	23.5	43.7	69.0	86.2	93.7	96.5	98.5	100	--	--	--	--	--
5-27	9.7	29.2	49.0	62.5	74.0	84.7	90.5	94.0	99.2	100	--	--	--	--
5-28	17.0	39.7	56.0	69.7	86.0	92.7	96.2	98.7	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	29.7	53.5	76.2	86.7	94.0	97.2	98.7	99.7	100	--	--	--	--	--
6- 1	30.0	57.7	78.2	87.5	91.0	92.7	95.2	98.0	99.2	100	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5	8.5	24.7	54.0	75.5	89.7	96.0	98.7	99.2	99.7	99.7	100	--	--	--
6- 7	16.7	46.7	69.5	86.0	92.7	96.0	97.7	99.5	99.7	100	--	--	--	--
6- 9	25.0	52.0	76.0	87.0	92.7	96.2	98.2	99.2	100	--	--	--	--	--
6-10	41.7	68.2	81.0	87.0	93.0	95.0	98.2	98.5	99.5	99.7	100	--	--	--
6-11	18.2	41.2	62.0	78.7	88.7	94.7	98.0	99.2	100	--	--	--	--	--
6-12	18.2	41.7	57.2	71.5	82.7	90.5	94.5	97.5	99.0	99.5	99.7	99.7	100	--
6-13	11.2	33.7	53.5	70.0	80.7	91.2	96.2	98.0	99.5	99.7	100	--	--	--
6-14	10.2	23.5	41.5	57.7	74.0	87.5	93.2	96.2	98.7	99.7	100	--	--	--
6-15	14.0	31.0	46.0	60.2	76.5	84.5	92.2	95.5	99.0	99.5	99.7	100	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	22.0	47.5	69.2	79.5	86.2	91.7	95.0	96.5	100	--	--	--	--	--
6-18	29.5	55.2	74.2	84.7	90.7	94.7	96.0	97.7	99.2	100	--	--	--	--
6-19	34.2	65.5	84.7	91.0	96.2	97.7	98.5	99.2	100	--	--	--	--	--
6-20	34.5	62.7	76.5	85.0	89.2	91.2	94.7	97.7	99.2	99.7	100	--	--	--
6-21	21.7	48.0	70.0	83.2	91.0	94.2	96.5	98.7	99.7	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	24.5	53.2	78.5	90.0	96.7	98.7	99.7	100	--	--	--	--	--	--
6-25	23.0	41.2	55.7	71.5	80.7	86.0	90.5	95.5	98.5	99.7	99.7	100	--	--
6-27	27.5	54.0	69.0	81.2	91.7	97.5	98.7	99.2	99.7	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 150.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0516, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	26.5	47.5	65.7	82.0	89.0	95.5	98.2	98.5	99.5	99.5	99.7	100	---	---
5-16	20.7	44.5	69.7	84.2	90.0	95.0	98.2	99.7	100	---	---	---	---	---
5-19	24.5	54.5	69.7	84.7	92.0	96.5	98.2	99.5	100	---	---	---	---	---
5-21	25.2	52.7	74.0	87.0	95.0	96.0	99.0	99.5	99.5	99.7	100	---	---	---
5-22(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-24(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-26	13.5	31.5	51.7	67.2	81.2	88.7	94.5	98.2	99.5	100	---	---	---	---
5-27	22.0	44.7	63.2	82.0	91.5	96.0	97.7	98.2	100	---	---	---	---	---
5-28	15.2	32.2	46.7	67.0	78.7	84.7	93.7	98.2	100	---	---	---	---	---
5-29(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-30	24.5	46.7	63.5	80.5	87.7	95.2	97.7	99.0	100	---	---	---	---	---
6- 1	19.7	44.2	61.2	77.2	86.5	92.2	97.7	99.0	99.7	99.7	100	---	---	---
6- 3(2)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6- 5	19.2	40.0	63.5	77.2	87.2	93.2	97.2	98.5	100	---	---	---	---	---
6- 7	18.7	41.2	62.7	74.7	81.0	89.2	93.2	96.5	99.7	100	---	---	---	---
6- 9	29.5	53.5	69.5	77.5	86.2	91.7	95.0	97.0	99.0	99.7	100	---	---	---
6-10	31.7	57.7	72.5	86.2	91.7	93.5	96.2	97.5	99.0	99.5	99.7	100	---	---
6-11	23.0	49.5	69.2	83.5	91.5	95.2	96.5	98.2	99.7	100	---	---	---	---
6-12	15.7	34.2	49.5	67.0	78.7	87.7	92.5	96.5	99.2	100	---	---	---	---
6-13	14.2	29.2	45.0	60.0	71.0	79.0	86.5	92.0	97.2	99.5	100	---	---	---
6-14	21.5	41.8	54.8	70.1	77.4	85.3	92.4	95.9	99.0	99.5	100	---	---	---
6-15	19.7	37.2	51.7	67.2	76.5	84.5	88.7	93.7	99.2	99.7	100	---	---	---
6-16(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6-17	25.0	49.2	67.2	79.5	87.0	93.2	96.2	97.7	99.0	99.7	100	---	---	---
6-18	28.0	57.0	72.0	83.2	90.0	94.2	97.5	99.2	99.5	99.7	100	---	---	---
6-19	35.7	72.0	88.7	95.0	97.5	99.0	100	---	---	---	---	---	---	---
6-20	39.5	68.0	83.5	90.7	95.0	97.7	99.0	99.0	99.7	100	---	---	---	---
6-21	21.0	48.7	72.5	83.2	91.5	94.5	97.2	97.5	99.0	100	---	---	---	---
6-22(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6-23	18.5	41.0	63.2	78.0	88.5	93.2	96.5	97.7	99.5	99.7	100	---	---	---
6-25	20.5	48.5	67.0	78.2	87.7	94.2	98.2	98.5	99.5	100	---	---	---	---
6-27	38.2	67.2	82.2	90.5	95.2	97.5	99.2	99.5	99.7	100	---	---	---	---
6-29(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 151.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0556, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	27.7	49.5	67.7	80.0	91.0	96.2	99.5	100	--	--	--	--	--	--
5-16	18.0	41.2	65.5	78.2	86.2	90.2	93.7	94.7	98.5	100	--	--	--	--
5-19	25.2	43.2	59.7	72.5	80.0	87.0	91.0	95.0	100	--	--	--	--	--
5-21	20.2	50.5	74.5	88.0	93.5	97.2	98.0	98.2	99.2	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	8.7	27.7	48.2	71.7	83.0	87.0	91.7	96.7	99.5	100	--	--	--	--
5-27	26.7	55.0	75.2	82.5	88.0	92.7	95.0	97.5	99.5	99.5	99.7	100	--	--
5-28	23.5	48.7	65.0	79.0	90.7	95.2	96.2	97.7	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	17.7	44.0	68.7	81.0	86.7	94.0	97.5	99.7	99.7	99.7	100	--	--	--
6- 1	25.2	49.7	65.2	80.2	88.7	95.0	98.2	99.2	100	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5	32.7	62.5	83.5	95.0	97.7	99.5	99.7	99.7	100	--	--	--	--	--
6- 7	25.0	55.7	75.5	89.5	95.0	98.2	99.7	100	--	--	--	--	--	--
6- 9	20.2	45.5	66.0	78.2	85.5	92.2	95.2	98.5	100	--	--	--	--	--
6-10	23.2	50.2	71.5	84.0	92.2	96.2	98.7	99.5	99.7	100	--	--	--	--
6-11	14.5	34.2	55.0	71.7	81.0	89.2	94.7	98.2	99.5	99.7	100	--	--	--
6-12	20.7	41.2	57.5	69.5	78.0	85.7	89.5	93.5	97.7	99.7	100	--	--	--
6-13	19.0	37.7	59.7	73.7	83.2	90.0	94.5	96.2	99.2	99.7	99.7	100	--	--
6-14	32.0	54.5	66.7	76.5	83.5	88.5	92.2	95.7	98.5	99.7	99.7	99.7	100	--
6-15	33.5	61.2	77.7	85.7	92.7	94.5	95.7	98.0	99.2	99.7	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	39.7	72.5	85.0	93.0	96.5	98.0	99.0	99.5	99.7	100	--	--	--	--
6-18	33.5	60.0	80.2	91.0	94.7	97.0	99.2	99.7	100	--	--	--	--	--
6-19	38.7	73.7	88.5	94.5	98.0	99.2	99.2	99.2	99.7	100	--	--	--	--
6-20	23.2	45.2	65.7	79.7	88.0	94.7	97.0	98.7	99.5	100	--	--	--	--
6-21	14.7	33.2	54.5	71.2	82.2	88.5	92.5	95.5	98.7	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	18.7	39.5	58.2	69.0	81.0	88.0	91.7	95.7	98.5	99.7	100	--	--	--
6-25	28.5	50.5	68.7	80.2	86.0	90.7	94.2	96.5	99.0	99.5	100	--	--	--
6-27	26.2	55.0	77.7	89.0	95.2	97.7	98.7	99.5	99.7	99.7	100	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 152.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0602, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	23.0	41.7	65.0	77.7	86.2	91.0	94.5	96.2	98.7	100	--	--	--	--
5-16	33.7	63.2	82.2	89.2	94.5	97.7	98.2	99.7	100	--	--	--	--	--
5-19	17.7	38.5	59.0	73.5	83.2	89.7	92.7	96.2	99.7	100	--	--	--	--
5-21	22.2	52.7	74.2	86.5	93.2	95.5	98.2	100	--	--	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	40.5	66.5	80.7	90.0	95.7	99.0	99.5	99.7	100	--	--	--	--	--
5-27	41.7	72.2	84.5	91.0	95.2	97.5	99.0	99.7	100	--	--	--	--	--
5-28	34.2	59.2	79.2	88.5	93.5	97.0	99.7	100	--	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	34.0	68.2	84.0	94.0	97.5	99.0	99.2	99.2	99.7	100	--	--	--	--
6- 1	44.0	73.0	89.2	96.2	98.0	99.0	99.7	100	--	--	--	--	--	--
6- 3	33.2	64.2	81.7	92.7	97.7	99.0	99.7	100	--	--	--	--	--	--
6- 5	27.7	57.7	80.7	93.2	96.7	99.2	99.7	100	--	--	--	--	--	--
6- 7	24.2	51.5	69.7	80.0	89.0	94.5	96.7	99.0	99.7	100	--	--	--	--
6- 9	31.2	60.0	76.0	86.7	93.5	96.7	98.2	99.0	99.7	99.7	99.7	100	--	--
6-10	32.7	59.7	79.0	93.2	97.2	98.2	99.2	99.7	100	--	--	--	--	--
6-11	14.7	33.5	49.0	64.5	75.7	83.0	89.0	92.5	98.0	99.2	99.7	99.7	100	--
6-12	24.0	46.7	65.0	77.5	85.7	90.7	93.7	95.2	97.7	99.0	99.5	100	--	--
6-13	24.7	43.2	61.7	74.5	83.2	90.2	94.0	97.2	99.0	99.7	100	--	--	--
6-14	34.2	61.5	77.0	83.7	89.5	93.2	95.5	99.0	100	--	--	--	--	--
6-15	32.0	56.0	73.2	84.5	90.2	95.0	96.7	98.2	99.0	99.5	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	37.0	67.5	84.0	92.5	95.5	98.5	99.2	99.5	100	--	--	--	--	--
6-18	22.2	47.2	66.5	80.5	87.2	94.0	96.5	98.7	100	--	--	--	--	--
6-19	40.7	68.7	88.0	94.7	97.2	99.0	100	--	--	--	--	--	--	--
6-20	16.5	38.0	54.2	73.2	84.7	94.2	97.2	98.5	99.2	100	--	--	--	--
6-21	9.5	33.7	55.0	67.7	74.5	82.5	87.5	92.2	98.0	99.2	100	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	21.2	49.2	68.0	77.7	86.0	91.0	95.0	98.0	99.2	99.7	100	--	--	--
6-25	22.2	41.7	57.7	69.7	80.7	90.0	94.0	96.5	98.5	99.7	100	--	--	--
6-27	21.7	50.0	68.7	82.0	90.2	94.0	96.5	98.0	99.5	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 153.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0653, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	36.2	67.5	82.5	93.2	97.5	100	--	--	--	--	--	--	--	--
5-16	33.2	64.5	82.5	94.2	98.5	99.7	99.7	100	--	--	--	--	--	--
5-19	19.2	46.2	67.5	84.0	90.5	96.2	98.0	100	--	--	--	--	--	--
5-21	26.2	56.5	77.2	86.7	93.7	97.0	98.2	98.5	100	--	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	48.2	80.0	90.7	95.0	96.7	98.7	99.2	99.5	99.5	100	--	--	--	--
5-27	37.7	69.5	86.0	94.5	96.5	98.5	99.7	99.7	99.7	100	--	--	--	--
5-28	29.2	61.2	79.7	92.2	98.0	99.5	100	--	--	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	22.7	47.2	71.7	86.5	93.5	96.5	98.7	100	--	--	--	--	--	--
6- 1	29.0	64.7	82.7	92.7	97.0	99.5	99.7	99.7	100	--	--	--	--	--
6- 3	18.0	41.7	64.7	84.7	93.2	96.0	98.0	99.5	100	--	--	--	--	--
6- 5	14.0	42.0	67.0	85.2	94.5	97.0	99.0	99.2	100	--	--	--	--	--
6- 7	25.7	54.0	71.2	83.5	89.7	93.5	95.5	97.7	99.5	99.7	100	--	--	--
6- 9	26.5	51.3	73.7	87.5	94.7	97.0	99.2	99.7	100	--	--	--	--	--
6-10	13.4	35.3	53.3	68.8	80.5	89.1	94.3	97.8	99.8	99.8	100	--	--	--
6-11	22.7	49.5	70.7	83.7	89.7	93.2	95.7	97.2	98.2	99.7	100	--	--	--
6-12	35.7	64.5	82.8	91.9	95.5	96.6	97.8	98.1	99.9	100	--	--	--	--
6-13	32.5	65.5	81.8	90.4	95.2	97.2	98.2	99.7	100	--	--	--	--	--
6-14	42.2	74.0	90.0	95.3	98.3	99.1	99.4	99.7	99.9	100	--	--	--	--
6-15	40.9	72.3	85.8	91.5	95.1	97.2	97.3	97.6	98.3	99.5	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	31.7	60.2	82.0	89.5	94.5	97.0	98.2	99.5	99.5	100	--	--	--	--
6-18	22.9	48.5	70.4	84.4	93.8	97.3	98.8	99.3	100	--	--	--	--	--
6-19	17.0	33.5	52.2	67.5	79.7	90.0	96.0	98.7	100	--	--	--	--	--
6-20	24.3	48.5	67.5	76.6	84.1	88.4	92.2	95.1	98.5	99.8	99.8	100	--	--
6-21	20.5	43.7	61.3	71.1	79.0	85.1	86.3	91.7	97.3	99.5	100	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	21.2	44.0	61.5	74.2	85.2	90.5	94.5	97.5	99.5	100	--	--	--	--
6-25	30.7	53.7	71.0	82.7	90.5	94.0	95.5	97.5	99.0	100	--	--	--	--
6-27	23.3	48.0	71.8	86.0	93.8	97.3	99.3	99.8	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 154.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0708, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	31.5	61.0	76.2	83.5	92.7	97.0	98.0	99.0	100	--	--	--	--	--
5-16	13.5	38.0	63.0	76.7	88.7	93.0	96.7	98.7	100	--	--	--	--	--
5-19	23.7	58.0	79.2	91.2	96.5	98.0	98.7	99.2	99.7	100	--	--	--	--
5-21	7.7	25.0	47.0	65.2	76.7	84.7	91.5	97.0	99.2	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	47.5	78.0	89.0	94.0	96.7	98.5	98.7	99.2	99.7	99.7	100	--	--	--
5-27	30.5	64.0	84.0	91.7	98.2	99.2	99.7	100	--	--	--	--	--	--
5-28	30.5	67.2	86.5	95.7	99.7	100	--	--	--	--	--	--	--	--
5-29	15.7	49.2	66.5	83.7	92.0	97.7	99.7	100	--	--	--	--	--	--
5-30	19.7	40.7	68.7	85.0	93.0	96.7	99.2	100	--	--	--	--	--	--
6- 1	20.7	45.2	64.7	78.7	85.5	91.2	96.0	97.7	99.7	100	--	--	--	--
6- 3	24.2	52.0	66.5	78.5	86.2	91.7	94.5	97.0	99.2	100	--	--	--	--
6- 5	18.2	48.2	71.5	84.7	91.7	95.5	97.5	98.0	98.5	99.2	100	--	--	--
6- 7	20.7	44.7	65.5	77.7	86.0	94.0	96.7	97.7	99.5	100	--	--	--	--
6- 9	29.2	55.7	71.5	85.5	92.5	95.5	97.5	98.7	99.5	100	--	--	--	--
6-10	35.0	65.0	83.0	93.0	95.7	97.5	98.7	99.0	99.5	100	--	--	--	--
6-11	24.0	52.2	68.0	82.0	88.5	93.0	94.7	95.7	98.0	99.7	100	--	--	--
6-12	26.0	44.7	59.2	66.2	73.5	78.5	81.7	88.7	97.0	99.5	100	--	--	--
6-13	30.5	61.5	78.7	88.5	93.0	97.0	98.5	99.5	99.7	100	--	--	--	--
6-14	37.7	64.5	79.5	89.5	94.0	97.2	98.5	99.5	99.7	100	--	--	--	--
6-15	29.0	56.2	79.7	87.7	93.2	96.5	98.2	99.0	100	--	--	--	--	--
6-16	34.0	68.0	85.5	94.5	97.5	99.2	99.2	99.5	100	--	--	--	--	--
6-17	44.5	73.7	88.7	94.5	97.5	99.2	99.7	99.7	100	--	--	--	--	--
6-18	19.2	48.0	70.5	85.7	91.5	96.5	98.0	98.5	99.2	100	--	--	--	--
6-19	21.0	42.7	62.2	72.5	83.7	91.0	93.7	96.2	99.0	99.7	100	--	--	--
6-20	16.5	40.0	57.2	73.0	82.0	89.2	94.2	95.5	99.2	99.7	100	--	--	--
6-21	21.0	39.5	56.0	63.7	72.5	75.7	82.2	88.7	95.0	98.7	99.7	100	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	38.0	63.5	80.5	90.0	95.2	97.7	98.7	99.2	99.5	99.7	100	--	--	--
6-25	22.5	49.5	64.5	77.2	84.0	90.7	94.0	96.5	98.7	100	--	--	--	--
6-27	26.2	53.5	71.2	83.2	90.7	95.7	97.7	99.0	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 155.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0757, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	17.7	36.7	53.0	67.0	76.2	81.7	88.0	91.5	98.0	99.5	100	--	--	--
5-16	10.2	31.2	54.2	73.5	85.0	93.0	98.2	99.5	100	--	--	--	--	--
5-19	16.0	38.7	60.2	74.5	83.5	90.7	94.0	97.2	99.0	99.5	100	--	--	--
5-21	10.5	44.2	66.0	81.0	88.5	94.5	98.0	99.0	99.7	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	27.7	58.5	79.0	89.5	93.0	95.5	98.7	99.2	100	--	--	--	--	--
5-27	22.0	51.2	70.2	82.2	91.0	94.2	96.7	98.0	99.5	100	--	--	--	--
5-28	26.7	57.2	76.0	89.0	94.5	97.7	99.2	99.2	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	14.0	35.2	57.0	75.2	85.7	93.5	97.2	98.5	100	--	--	--	--	--
6- 1	21.7	47.5	70.7	84.5	93.2	96.2	97.5	98.2	99.5	100	--	--	--	--
6- 3	23.0	50.0	70.7	86.7	93.7	98.2	99.5	99.7	100	--	--	--	--	--
6- 5	17.7	51.7	75.0	88.0	92.7	96.5	97.2	98.0	99.7	99.7	100	--	--	--
6- 7	33.7	63.7	79.7	89.7	94.2	97.7	98.7	98.7	99.2	100	--	--	--	--
6- 9	17.0	41.5	62.2	79.0	88.0	92.5	95.0	96.7	98.5	99.2	99.7	99.7	100	--
6-10	39.0	66.5	82.7	89.7	93.2	95.2	96.2	97.5	98.7	99.2	99.5	100	--	--
6-11	41.7	69.0	85.7	94.0	96.0	97.7	99.2	99.7	99.7	100	--	--	--	--
6-12	40.2	66.7	78.0	86.5	91.5	94.7	97.2	98.0	99.5	100	--	--	--	--
6-13	50.7	75.2	90.2	95.7	98.2	99.7	100	--	--	--	--	--	--	--
6-14	36.2	64.2	77.7	86.7	92.0	94.7	96.0	96.7	98.5	99.7	99.7	100	--	--
6-15	29.0	58.0	75.0	88.2	94.0	96.2	97.5	98.2	99.5	100	--	--	--	--
6-16	23.2	48.2	70.5	82.7	89.5	95.0	97.0	98.0	99.0	100	--	--	--	--
6-17	30.7	58.0	73.2	83.7	90.7	95.0	98.5	99.2	100	--	--	--	--	--
6-18	18.5	42.0	62.5	76.2	88.0	93.7	96.0	97.0	99.7	100	--	--	--	--
6-19	31.0	63.5	79.2	89.5	93.7	96.2	98.0	99.0	99.5	99.5	100	--	--	--
6-20	26.7	56.5	75.2	88.5	94.7	96.7	98.5	99.2	99.7	100	--	--	--	--
6-21	22.0	46.0	65.7	77.7	85.0	93.0	95.7	97.5	98.7	99.7	100	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	15.5	36.2	60.2	76.5	85.7	92.7	97.0	99.0	99.7	100	--	--	--	--
6-25	15.7	38.5	56.0	71.5	81.0	88.0	92.0	95.7	98.7	99.2	99.7	100	--	--
6-27	33.5	62.5	80.0	89.2	95.7	97.7	99.0	99.7	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 156.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0808, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	16.2	39.2	62.0	80.2	90.5	96.2	97.7	98.0	99.2	100	--	--	--	--
5-16	15.2	38.2	58.5	76.2	88.0	95.0	98.7	100	--	--	--	--	--	--
5-19	20.7	45.2	62.5	74.2	82.2	88.5	93.7	96.2	99.5	100	--	--	--	--
5-21	25.5	51.5	72.5	82.7	86.7	90.7	93.7	97.0	99.7	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	29.5	56.5	76.5	87.7	92.7	95.7	97.5	98.5	99.2	99.7	100	--	--	--
5-27	21.2	47.0	70.5	86.7	92.7	96.2	98.5	99.0	99.7	100	--	--	--	--
5-28	14.5	40.2	65.0	85.5	94.7	97.7	99.0	99.7	99.7	100	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	15.2	37.5	57.0	69.5	81.2	90.5	93.0	97.2	99.2	99.7	100	--	--	--
6- 1	23.2	47.2	68.5	80.2	89.5	94.7	97.0	98.2	99.7	100	--	--	--	--
6- 3	17.7	47.7	71.2	85.5	92.5	96.7	98.2	98.7	99.2	100	--	--	--	--
6- 5	24.7	49.0	68.2	83.5	89.7	93.5	95.7	95.7	99.5	99.7	100	--	--	--
6- 7	5.0	25.7	47.7	67.7	81.7	91.5	93.2	96.5	98.7	99.2	99.5	100	--	--
6- 9	29.7	56.4	74.1	86.1	91.1	94.7	97.1	98.0	99.8	99.8	100	--	--	--
6-10	37.8	68.4	84.4	91.4	96.1	98.2	99.6	99.6	99.9	99.9	99.9	100	--	--
6-11	37.8	64.6	76.1	85.4	90.2	94.0	96.5	97.0	98.2	99.8	100	--	--	--
6-12	30.5	58.0	73.0	86.0	91.5	94.5	97.7	98.5	99.2	100	--	--	--	--
6-13	34.3	65.4	81.0	91.4	95.2	97.4	97.7	98.8	99.8	99.8	100	--	--	--
6-14	25.0	59.0	77.3	86.0	92.1	95.0	97.4	98.1	99.0	99.3	99.8	100	--	--
6-15	16.6	36.4	58.7	71.4	85.3	91.8	95.5	98.1	99.6	100	--	--	--	--
6-16	16.6	36.7	55.5	71.7	82.3	87.0	91.2	96.1	98.8	99.8	100	--	--	--
6-17	19.4	43.7	66.1	82.1	88.1	93.8	97.0	98.8	100	--	--	--	--	--
6-18	22.7	48.8	71.1	83.5	90.1	93.6	95.9	97.1	98.5	99.6	100	--	--	--
6-19	32.9	59.2	76.5	86.0	92.1	95.1	96.6	98.3	99.3	100	--	--	--	--
6-20	23.2	48.5	65.7	78.2	85.2	91.2	96.2	98.0	99.5	99.7	100	--	--	--
6-21	28.8	50.8	62.9	75.4	82.8	88.1	90.8	94.3	98.8	100	--	--	--	--
6-22	30.0	62.2	81.6	90.6	95.3	97.5	98.5	99.5	100	--	--	--	--	--
6-23	28.2	58.6	77.5	91.6	95.9	97.9	98.8	99.5	100	--	--	--	--	--
6-25	23.9	49.4	66.3	78.3	86.3	91.8	97.3	97.8	100	--	--	--	--	--
6-27	23.5	52.9	74.4	88.6	93.3	97.8	99.5	100	--	--	--	--	--	--
6-29	19.0	43.5	62.2	78.2	86.7	91.7	96.2	97.7	98.7	99.7	100	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 157.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0853, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	40.5	64.2	80.0	88.2	92.2	94.5	96.0	96.7	98.0	99.0	100	--	--	--
5-16	9.7	33.5	59.0	77.2	88.5	94.2	97.0	98.2	99.5	100	--	--	--	--
5-19	13.5	39.5	59.5	73.7	82.7	88.5	94.0	97.7	99.5	100	--	--	--	--
5-21	18.5	52.2	76.7	86.7	94.2	97.2	98.0	98.7	99.2	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	23.0	57.2	74.7	85.7	91.0	95.7	97.5	99.0	99.7	100	--	--	--	--
5-27	18.5	40.0	62.0	73.0	84.0	90.0	95.0	96.7	99.2	99.7	100	--	--	--
5-28	9.5	25.0	47.5	66.0	81.7	89.7	94.5	97.0	99.5	100	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	20.2	40.7	60.0	77.7	87.0	93.5	96.2	97.5	99.5	100	--	--	--	--
6- 1	26.5	50.5	67.5	77.5	84.5	90.2	93.5	95.2	97.7	99.5	99.7	100	--	--
6- 3	18.0	45.2	61.7	72.2	84.5	89.7	93.5	96.5	99.2	99.5	99.7	100	--	--
6- 5	17.0	41.5	59.2	71.2	82.7	91.2	94.5	98.5	100	--	--	--	--	--
6- 7	15.7	41.5	62.7	75.7	86.5	91.0	92.5	94.2	99.0	100	--	--	--	--
6- 9	32.7	60.7	81.7	91.2	96.0	97.7	98.5	99.2	100	--	--	--	--	--
6-10	34.0	58.0	73.5	85.0	93.0	96.5	97.7	99.5	99.7	100	--	--	--	--
6-11	40.0	61.0	78.0	87.2	90.7	95.5	97.5	98.5	99.7	100	--	--	--	--
6-12	30.0	57.7	74.7	85.0	90.7	94.5	97.0	98.2	99.2	99.7	100	--	--	--
6-13	27.7	56.7	76.5	85.2	91.0	95.2	97.2	98.0	99.2	99.5	100	--	--	--
6-14	21.5	46.5	63.0	76.5	86.7	92.0	95.0	97.2	99.0	99.7	100	--	--	--
6-15	19.7	41.2	57.5	72.0	79.2	85.0	90.2	93.0	97.2	98.5	99.7	99.7	100	--
6-16	16.2	40.5	61.2	75.0	85.2	91.5	95.2	98.0	100	--	--	--	--	--
6-17	18.5	44.2	65.2	77.2	86.7	92.5	96.0	97.7	99.5	99.7	100	--	--	--
6-18	23.0	52.7	71.2	80.7	88.5	93.0	96.7	99.5	100	--	--	--	--	--
6-19	22.7	47.2	67.2	77.2	84.7	89.5	94.0	96.2	99.5	99.7	100	--	--	--
6-20	39.0	69.2	86.0	94.2	98.5	99.0	99.7	100	--	--	--	--	--	--
6-21	26.5	55.7	77.5	88.7	93.2	96.0	97.7	99.5	100	--	--	--	--	--
6-22	31.0	66.2	80.2	87.2	93.0	95.7	96.5	98.0	99.5	100	--	--	--	--
6-23	23.7	49.5	74.2	86.2	94.5	97.0	99.2	99.5	100	--	--	--	--	--
6-25	25.2	48.7	67.0	78.7	87.0	92.7	95.7	97.5	98.5	99.7	100	--	--	--
6-27	26.0	53.5	73.7	82.7	91.0	95.2	97.5	99.2	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 158.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0898, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	23.5	47.0	65.2	79.2	89.0	93.5	96.7	98.0	99.7	100	--	--	--	--
5-16	25.5	48.2	73.2	83.2	90.2	95.0	99.0	99.2	100	--	--	--	--	--
5-19	21.0	38.0	54.0	68.7	78.0	83.2	87.5	92.2	96.2	99.5	99.7	100	--	--
5-21	16.7	42.2	64.7	77.0	86.2	93.2	95.5	97.2	98.7	99.2	100	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	21.0	42.0	61.0	76.7	87.7	92.5	95.0	98.0	99.7	100	--	--	--	--
5-27	14.7	36.0	54.2	70.0	79.0	85.5	93.2	95.7	99.7	100	--	--	--	--
5-28	15.0	40.2	66.5	79.2	88.0	95.2	97.2	98.5	99.7	99.7	99.7	99.7	100	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	19.0	45.0	69.0	81.7	89.0	93.0	94.7	96.5	98.7	99.7	100	--	--	--
6- 1	27.2	49.2	62.2	75.5	80.5	85.7	91.5	93.2	98.0	99.5	100	--	--	--
6- 3	31.0	60.2	82.0	91.0	94.2	97.0	99.2	99.5	100	--	--	--	--	--
6- 5	5.5	19.7	43.2	61.5	77.5	86.7	94.5	97.5	99.0	100	--	--	--	--
6- 7	18.5	44.5	67.0	78.0	86.0	91.2	95.0	97.0	99.5	99.7	100	--	--	--
6- 9	19.0	42.7	68.0	80.2	89.0	94.0	95.5	97.2	99.0	99.5	100	--	--	--
6-10	37.7	68.7	88.5	94.5	97.7	99.5	99.7	100	--	--	--	--	--	--
6-11	51.5	76.0	87.0	92.5	95.2	96.0	97.5	98.2	99.5	99.7	100	--	--	--
6-12	30.7	59.0	75.7	84.0	90.5	94.5	96.5	97.5	99.5	99.7	100	--	--	--
6-13	42.2	68.2	85.7	93.5	97.2	98.2	99.5	99.7	100	--	--	--	--	--
6-14	24.5	47.7	69.5	82.0	90.7	97.0	97.7	98.5	100	--	--	--	--	--
6-15	27.7	53.2	76.5	86.2	93.0	95.5	96.0	97.5	99.2	99.7	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	13.5	34.5	53.7	65.7	78.2	87.0	92.7	96.0	99.7	100	--	--	--	--
6-18	21.7	52.0	69.2	80.0	88.5	95.2	96.7	98.5	99.0	99.5	100	--	--	--
6-19	22.5	43.0	62.2	75.7	87.0	91.2	96.0	97.7	98.7	99.2	100	--	--	--
6-20	17.5	41.5	63.5	79.0	87.5	95.2	98.7	99.2	100	--	--	--	--	--
6-21	22.0	49.5	70.2	83.7	92.2	95.0	96.2	98.0	99.0	100	--	--	--	--
6-22	37.7	66.5	84.5	91.2	95.7	98.2	99.0	99.5	100	--	--	--	--	--
6-23	34.5	61.5	80.7	88.5	93.2	96.0	97.7	99.2	99.7	100	--	--	--	--
6-25	31.5	59.0	77.5	89.0	93.2	96.2	98.5	99.5	99.5	99.7	100	--	--	--
6-27	31.7	56.7	74.2	84.2	90.5	95.7	98.0	99.0	99.7	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 159.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0940, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	26.5	51.2	69.5	83.5	88.5	92.0	95.0	97.5	99.2	99.7	100	--	--	--
5-16	23.7	43.0	66.2	80.7	87.5	94.5	97.5	99.0	99.7	100	--	--	--	--
5-19	20.2	44.5	59.2	71.2	79.5	86.0	91.2	94.5	98.5	99.2	100	--	--	--
5-21	12.0	38.0	61.5	79.5	87.5	93.0	96.5	98.7	99.5	100	--	--	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	16.7	37.0	58.5	71.7	81.7	88.5	91.7	95.5	99.0	99.5	100	--	--	--
5-27	16.5	45.2	67.5	82.5	92.5	96.5	98.5	99.0	99.7	100	--	--	--	--
5-28	23.0	42.5	53.5	69.0	78.2	85.2	90.0	93.7	97.0	100	--	--	--	--
5-29	18.5	43.0	66.7	78.7	87.2	92.2	95.2	97.0	99.5	99.7	99.7	99.7	100	--
5-30	29.2	59.0	77.5	88.0	93.5	97.0	98.0	98.0	98.5	98.5	99.5	99.7	100	--
6- 1	31.2	59.0	78.7	92.0	96.2	97.5	99.5	100	--	--	--	--	--	--
6- 3	33.5	63.2	81.0	89.2	94.0	96.5	97.5	98.2	99.5	99.5	100	--	--	--
6- 5	19.5	47.2	74.0	83.2	91.0	94.5	96.5	98.0	99.0	100	--	--	--	--
6- 7	27.2	56.2	80.7	91.5	97.0	98.7	99.2	99.5	99.5	99.7	100	--	--	--
6- 9	25.2	50.5	65.0	77.7	83.5	89.2	92.2	94.0	97.5	99.5	100	--	--	--
6-10	27.5	57.5	73.0	84.7	91.5	95.2	96.5	99.0	100	--	--	--	--	--
6-11	31.5	53.7	67.0	80.0	87.0	91.2	95.0	97.7	99.5	99.7	99.7	100	--	--
6-12	28.5	54.7	73.5	84.7	92.2	96.2	97.0	98.5	99.7	100	--	--	--	--
6-13	18.2	38.0	57.2	71.2	80.0	87.0	92.7	96.2	99.2	99.7	100	--	--	--
6-14	21.2	43.7	60.7	74.5	80.5	85.5	89.2	94.7	98.7	100	--	--	--	--
6-15	12.5	35.2	51.7	65.2	77.7	85.0	93.0	95.2	98.2	99.2	99.7	100	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	21.7	44.2	61.0	74.0	86.7	92.0	94.5	97.2	99.0	99.5	100	--	--	--
6-18	25.7	59.2	80.0	89.0	94.0	96.2	98.2	98.7	99.7	100	--	--	--	--
6-19	26.0	55.2	73.7	86.2	93.0	97.0	98.7	99.5	99.7	100	--	--	--	--
6-20	23.2	47.5	66.0	79.0	87.0	92.7	95.2	97.5	98.7	99.5	99.7	100	--	--
6-21	22.7	49.2	69.2	84.2	92.0	93.7	96.2	98.0	99.0	100	--	--	--	--
6-22	29.5	57.5	75.0	83.2	90.7	95.0	97.7	99.0	100	--	--	--	--	--
6-23	23.5	54.7	73.7	85.7	93.2	96.5	98.2	99.7	100	--	--	--	--	--
6-25	25.0	49.2	63.7	72.7	80.7	88.7	92.5	96.7	99.7	100	--	--	--	--
6-27	28.5	53.5	71.0	82.7	89.0	93.5	95.0	97.5	99.5	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 160.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 0985, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	20.0	38.0	55.0	71.7	84.0	90.0	93.7	97.5	99.5	100	--	--	--	--
5-16	25.7	58.0	79.2	91.2	98.0	99.5	99.5	100	--	--	--	--	--	--
5-19	21.0	46.0	66.5	82.0	89.2	94.5	97.2	98.7	99.7	99.7	100	--	--	--
5-21	19.2	48.7	71.5	86.0	91.5	95.5	97.0	98.2	98.7	99.5	99.7	100	--	--
5-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-26	15.5	33.5	56.0	72.0	83.7	89.5	93.5	96.5	98.7	100	--	--	--	--
5-27	25.7	54.0	72.0	83.5	89.2	95.0	96.0	98.2	98.7	99.7	100	--	--	--
5-28	17.2	41.0	57.2	71.7	80.2	87.5	92.2	95.0	98.2	99.5	99.5	99.5	100	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	23.7	48.7	66.7	77.2	85.7	90.2	93.0	95.5	97.7	98.5	99.5	100	--	--
6- 1	21.0	39.2	59.7	72.7	81.5	86.2	89.2	92.2	97.5	98.7	100	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5	25.2	47.0	64.7	77.0	85.2	92.2	95.5	96.7	98.5	99.7	100	--	--	--
6- 7	24.2	48.7	68.7	86.7	95.0	98.0	98.7	99.5	100	--	--	--	--	--
6- 9	20.0	43.2	60.7	72.5	81.7	86.7	92.7	95.7	98.5	100	--	--	--	--
6-10	33.0	58.0	74.2	84.7	88.7	95.7	97.2	98.2	99.5	99.5	100	--	--	--
6-11	45.2	70.7	84.7	90.2	94.2	97.2	98.2	99.0	100	--	--	--	--	--
6-12	25.0	51.7	70.2	81.2	89.0	93.0	96.2	98.5	99.7	100	--	--	--	--
6-13	22.0	44.0	62.2	74.5	83.2	89.7	94.7	97.0	98.7	100	--	--	--	--
6-14	28.2	54.5	70.7	82.7	89.0	93.0	96.0	98.0	99.7	99.7	100	--	--	--
6-15	26.2	52.0	71.7	83.7	91.0	94.5	97.2	97.7	99.2	99.2	99.7	100	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	34.0	61.7	82.0	92.0	96.5	98.5	99.2	99.2	99.5	100	--	--	--	--
6-18	25.5	50.0	70.7	83.2	89.2	92.5	95.7	97.5	98.7	99.7	100	--	--	--
6-19	28.7	55.2	71.5	85.2	92.7	95.5	99.0	99.5	99.5	100	--	--	--	--
6-20	43.0	66.7	83.0	91.7	95.5	98.0	98.7	99.0	99.2	99.7	100	--	--	--
6-21	23.2	50.7	70.7	83.5	91.5	97.7	99.5	99.5	100	--	--	--	--	--
6-22	34.2	71.7	87.5	93.0	97.0	98.5	99.5	99.5	99.7	100	--	--	--	--
6-23	34.0	60.0	74.7	85.0	90.5	93.7	95.0	97.0	99.0	100	--	--	--	--
6-25	29.5	53.5	68.5	81.0	87.2	93.7	95.5	97.5	98.5	99.7	99.7	99.7	99.7	100
6-27	25.5	53.7	72.7	83.0	91.7	96.0	97.7	98.5	99.0	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 161.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1038, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	21.7	40.7	56.0	72.2	84.0	89.2	93.5	98.2	99.7	100	--	--	--	--
5-16	21.7	50.5	71.0	83.5	89.7	96.7	99.0	99.5	100	--	--	--	--	--
5-19	33.0	58.7	79.0	88.0	92.2	94.7	97.2	98.2	100	--	--	--	--	--
5-21	23.0	47.2	65.2	74.0	81.0	88.0	92.0	97.7	99.2	99.5	100	--	--	--
5-22	13.7	34.5	55.2	75.7	85.2	92.7	97.0	98.7	99.7	99.7	99.7	99.7	100	--
5-24	24.0	45.7	63.5	74.7	82.2	87.0	91.7	95.0	98.5	100	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	14.0	38.0	60.7	80.2	92.0	94.2	97.5	98.7	100	--	--	--	--	--
5-28	29.2	55.5	74.2	88.0	95.2	98.0	99.5	99.7	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	21.7	52.7	77.5	90.5	95.7	99.0	99.0	100	--	--	--	--	--	--
6- 1	35.5	61.0	80.0	89.2	94.0	96.7	99.7	99.7	100	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 7(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 9	30.5	52.2	67.2	77.0	84.5	90.2	93.5	94.5	99.5	100	--	--	--	--
6-10	34.5	64.5	83.0	93.2	97.5	98.7	99.7	99.7	100	--	--	--	--	--
6-11	22.5	42.5	58.0	71.2	78.5	88.2	94.0	96.5	99.7	100	--	--	--	--
6-12	16.5	36.5	52.7	66.0	75.7	82.0	86.2	89.7	95.2	98.0	99.5	100	--	--
6-13	28.0	55.7	77.5	87.2	92.2	96.2	97.0	98.5	100	--	--	--	--	--
6-14	15.0	35.7	55.7	72.2	80.5	87.5	91.0	93.5	97.7	99.7	100	--	--	--
6-15	34.5	70.5	84.7	91.0	94.7	96.7	97.7	98.7	99.5	100	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	25.0	46.0	66.2	79.0	87.2	93.2	98.5	99.2	100	--	--	--	--	--
6-18	23.0	50.7	65.2	78.5	86.2	90.7	94.7	96.7	98.7	100	--	--	--	--
6-19	28.7	58.2	78.0	88.2	94.5	97.2	98.5	100	--	--	--	--	--	--
6-20	30.5	60.7	77.0	89.0	94.2	97.0	98.5	99.7	100	--	--	--	--	--
6-21	13.2	40.2	61.0	78.0	89.5	96.2	98.0	99.0	100	--	--	--	--	--
6-22	41.5	74.5	87.7	94.2	97.2	98.2	99.5	99.5	99.7	100	--	--	--	--
6-23	30.5	59.2	76.7	86.7	92.5	96.2	98.0	98.7	100	--	--	--	--	--
6-25	38.5	70.5	85.7	96.2	98.7	98.7	98.7	99.7	100	--	--	--	--	--
6-27	30.5	60.5	78.2	88.0	92.7	96.0	97.2	98.2	99.2	99.7	100	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 162.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1077, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	14.7	39.2	60.5	75.5	85.2	90.5	93.7	97.2	99.5	99.5	100	--	--	--
5-16	24.0	49.5	71.5	85.0	96.2	100	--	--	--	--	--	--	--	--
5-19	25.0	55.7	76.0	91.0	96.0	99.2	99.7	99.7	100	--	--	--	--	--
5-21	14.7	38.0	62.0	76.5	88.5	94.5	97.0	99.0	99.5	100	--	--	--	--
5-22	22.0	50.0	70.7	82.5	89.7	94.5	96.7	98.0	99.7	100	--	--	--	--
5-24	25.5	55.5	77.0	88.7	93.2	97.0	97.7	99.0	99.2	99.5	99.7	100	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	13.0	43.0	66.0	84.7	94.5	97.0	97.7	98.0	100	--	--	--	--	--
5-28	24.0	50.2	73.7	87.0	95.7	99.5	100	--	--	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	22.7	59.2	78.0	89.0	97.2	98.7	99.5	99.5	100	--	--	--	--	--
6- 1	29.5	58.7	83.2	94.7	98.0	99.0	99.5	99.7	99.7	100	--	--	--	--
6- 3	15.5	43.0	63.2	75.0	82.5	88.0	91.5	95.0	99.0	99.7	100	--	--	--
6- 5	30.0	57.2	74.5	85.7	91.7	96.5	98.0	98.7	99.7	100	--	--	--	--
6- 7	23.2	44.5	63.7	80.0	87.7	93.5	96.7	98.5	99.5	100	--	--	--	--
6- 9	30.7	56.5	79.5	90.0	93.7	96.5	98.2	99.0	99.7	100	--	--	--	--
6-10	28.0	55.0	74.0	85.5	91.5	95.5	98.0	99.5	100	--	--	--	--	--
6-11	29.0	53.7	71.5	83.0	92.2	95.0	96.7	98.0	99.7	100	--	--	--	--
6-12	20.7	40.5	59.0	71.5	85.5	90.5	94.7	97.0	99.0	99.5	100	--	--	--
6-13	16.0	39.0	62.5	76.7	85.0	91.5	95.5	98.7	99.5	100	--	--	--	--
6-14	30.2	60.5	80.2	91.5	94.0	97.0	98.2	99.2	99.7	100	--	--	--	--
6-15	24.5	51.5	70.0	80.5	88.5	92.7	95.5	97.0	98.2	99.7	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	29.7	58.5	79.2	88.7	94.2	97.2	98.0	99.0	99.7	99.7	100	--	--	--
6-18	25.0	51.2	70.7	86.2	92.7	96.5	98.5	99.0	100	--	--	--	--	--
6-19	26.7	56.5	75.2	85.2	91.0	94.7	96.7	99.0	99.2	100	--	--	--	--
6-20	32.7	61.2	79.0	89.7	94.5	98.0	99.2	99.7	100	--	--	--	--	--
6-21	25.2	59.5	77.2	87.5	94.7	97.2	98.2	98.5	99.5	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	34.7	66.0	81.0	89.7	92.7	95.7	97.5	99.0	99.7	100	--	--	--	--
6-25	31.5	56.7	78.5	87.2	92.7	96.0	98.0	98.7	99.7	100	--	--	--	--
6-27	31.7	58.7	76.2	88.2	94.5	97.7	98.5	99.7	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 163.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1120, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	17.5	41.7	58.7	73.2	85.7	93.7	99.2	99.7	100	--	--	--	--	--
5-16	17.7	41.2	64.5	74.7	78.7	85.5	90.0	94.7	99.2	100	--	--	--	--
5-19	36.7	65.2	84.2	91.7	95.0	97.5	98.2	98.2	99.7	100	--	--	--	--
5-21	36.0	71.0	85.2	93.0	96.2	98.7	99.0	99.2	99.5	100	--	--	--	--
5-22	12.7	38.2	64.0	79.7	90.0	95.0	97.7	98.2	99.5	99.7	100	--	--	--
5-24	26.2	55.0	71.7	86.5	92.5	96.0	96.7	98.5	100	--	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	14.5	38.2	61.2	76.5	87.7	93.2	98.2	99.0	100	--	--	--	--	--
5-28	11.7	25.2	43.0	60.0	77.2	87.0	93.5	97.5	99.7	100	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	19.2	38.0	58.2	72.5	84.0	91.7	96.0	98.5	99.7	100	--	--	--	--
6- 1	31.7	61.5	82.2	91.2	95.5	98.7	99.5	100	--	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5	31.5	53.7	76.7	88.0	92.5	95.5	96.7	98.2	99.7	100	--	--	--	--
6- 7	37.0	71.2	86.5	94.2	97.7	98.2	99.2	99.7	99.7	99.7	100	--	--	--
6- 9	28.5	52.2	68.7	79.7	86.2	92.5	95.5	97.5	99.5	99.7	100	--	--	--
6-10	27.5	54.2	71.2	83.7	89.5	94.7	96.7	98.5	100	--	--	--	--	--
6-11	33.7	63.0	79.7	87.5	92.0	95.5	97.2	98.0	99.2	100	--	--	--	--
6-12	21.2	42.5	59.2	72.0	81.5	87.7	91.0	94.5	97.0	99.7	100	--	--	--
6-13	20.7	45.5	66.0	78.5	91.2	95.0	97.5	98.2	99.7	100	--	--	--	--
6-14	16.5	42.7	63.5	80.5	88.7	93.0	97.2	98.0	99.5	100	--	--	--	--
6-15	19.2	37.7	54.0	69.5	78.5	87.0	91.0	94.0	98.5	100	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	24.2	56.2	73.7	85.2	91.5	94.5	97.2	99.0	100	--	--	--	--	--
6-18	30.5	63.0	84.5	95.2	98.0	98.7	99.7	99.7	100	--	--	--	--	--
6-19	31.5	64.2	84.0	92.0	96.0	99.5	100	--	--	--	--	--	--	--
6-20	24.5	53.7	73.0	84.0	90.5	96.0	98.5	99.0	100	--	--	--	--	--
6-21	20.5	49.0	69.0	79.7	86.5	93.5	96.5	98.0	100	--	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	22.5	48.5	66.7	80.7	88.5	92.7	96.0	97.2	98.5	99.7	100	--	--	--
6-25	27.7	53.2	70.0	82.7	90.0	94.7	98.2	98.7	99.5	99.5	100	--	--	--
6-27	31.0	56.0	71.7	84.2	92.0	97.2	98.7	99.5	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 164.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1155, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	28.7	56.2	73.0	84.7	91.0	93.5	95.7	98.0	99.5	99.7	100	—	—	—
5-16	31.5	60.0	80.7	93.7	97.2	99.0	99.5	100	—	—	—	—	—	—
5-19	41.7	72.2	85.2	92.2	96.2	98.2	99.0	100	—	—	—	—	—	—
5-21	16.0	45.5	63.2	75.5	84.2	89.7	94.5	98.5	100	—	—	—	—	—
5-22	21.0	50.0	68.7	81.2	91.5	95.0	98.2	98.7	100	—	—	—	—	—
5-24	24.5	48.7	74.2	86.2	93.2	96.0	98.5	99.2	100	—	—	—	—	—
5-26(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-27	27.0	50.7	69.2	84.2	93.2	96.5	99.2	99.5	99.5	99.7	100	—	—	—
5-28	29.2	56.0	73.5	85.5	92.5	96.0	97.7	98.5	99.2	99.5	100	—	—	—
5-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-30	14.0	44.2	70.0	86.7	92.7	97.0	99.0	99.2	99.7	100	—	—	—	—
6- 1	40.2	70.2	88.5	96.0	97.7	99.2	99.5	99.7	100	—	—	—	—	—
6- 3	27.2	67.0	89.5	96.5	99.2	99.2	99.7	100	—	—	—	—	—	—
6- 5	40.5	69.7	88.0	94.7	97.7	99.0	99.7	100	—	—	—	—	—	—
6- 7	21.5	48.2	65.0	79.2	86.7	93.7	96.7	98.0	99.5	99.7	100	—	—	—
6- 9	27.0	52.2	70.0	81.2	88.2	94.0	98.0	99.0	100	—	—	—	—	—
6-10	20.0	46.7	67.0	80.5	91.2	96.7	98.7	99.2	99.7	100	—	—	—	—
6-11	28.5	49.2	68.0	81.2	88.0	92.5	96.2	98.5	99.7	100	—	—	—	—
6-12	23.0	46.2	62.2	77.5	88.5	93.2	95.7	97.5	100	—	—	—	—	—
6-13	22.2	43.5	66.7	80.0	88.0	92.7	96.7	98.7	99.7	100	—	—	—	—
6-14	16.2	44.5	68.2	81.0	89.2	92.7	95.7	97.5	100	—	—	—	—	—
6-15	17.0	40.7	60.0	72.0	80.0	88.2	94.2	97.2	99.7	100	—	—	—	—
6-16(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-17	26.7	53.2	67.2	77.7	84.2	89.2	93.0	96.5	99.0	100	—	—	—	—
6-18	29.2	61.7	81.0	92.7	96.7	97.7	98.7	99.0	100	—	—	—	—	—
6-19	22.2	50.5	70.5	84.5	90.2	94.7	96.7	98.7	99.2	100	—	—	—	—
6-20	30.2	56.5	73.0	82.0	87.2	91.2	95.0	96.5	99.0	100	—	—	—	—
6-21	20.0	51.7	68.0	77.2	85.5	91.7	95.2	98.0	99.0	100	—	—	—	—
6-22(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-23	17.2	40.5	59.7	78.2	86.5	93.0	95.0	96.5	99.2	100	—	—	—	—
6-25	37.7	63.0	77.0	87.0	91.2	94.0	96.5	97.2	99.5	100	—	—	—	—
6-27	29.2	53.7	76.2	84.0	90.2	95.2	97.0	98.0	99.2	99.7	99.7	100	—	—
6-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 165.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1202, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	33.7	55.7	71.2	79.0	87.2	91.2	94.5	98.0	99.7	100	—	—	—	—
5-16	32.2	64.0	83.5	89.7	97.0	99.0	99.0	99.5	100	—	—	—	—	—
5-19	27.5	52.0	66.2	78.0	84.5	91.0	93.2	95.7	98.5	99.7	100	—	—	—
5-21	20.0	50.5	71.7	84.5	94.2	97.2	98.5	99.2	100	—	—	—	—	—
5-22	19.7	46.0	67.0	79.0	87.0	93.0	97.2	99.0	99.2	99.5	100	—	—	—
5-24	25.7	53.0	73.5	84.5	89.2	93.7	96.0	98.0	99.2	99.5	99.7	100	—	—
5-26(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-27	37.2	70.7	87.5	95.7	99.0	100	—	—	—	—	—	—	—	—
5-28	41.7	68.7	88.7	95.0	98.0	98.7	98.7	99.7	100	—	—	—	—	—
5-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-30	30.0	54.7	75.5	86.2	92.5	97.5	97.5	99.2	99.7	100	—	—	—	—
6- 1	39.0	70.7	86.0	94.5	99.0	99.7	100	—	—	—	—	—	—	—
6- 3	29.5	68.0	87.2	96.5	99.2	100	—	—	—	—	—	—	—	—
6- 5	29.0	53.5	73.0	84.0	91.7	94.0	96.2	99.5	100	—	—	—	—	—
6- 7	25.5	51.7	74.0	89.5	94.5	97.5	99.5	99.5	100	—	—	—	—	—
6- 9	23.7	46.7	70.7	83.7	91.5	96.0	98.0	99.0	99.7	100	—	—	—	—
6-10	20.2	40.7	58.2	72.2	81.2	88.0	92.5	96.5	99.5	100	—	—	—	—
6-11	32.0	55.0	73.2	85.2	90.5	94.2	96.5	98.2	99.7	100	—	—	—	—
6-12	33.7	58.5	72.5	84.2	89.7	93.7	96.5	98.0	99.5	99.7	99.7	100	—	—
6-13	23.2	48.5	72.0	82.2	87.7	92.7	95.7	98.0	99.7	100	—	—	—	—
6-14	13.2	43.2	66.7	81.7	92.0	95.5	98.0	98.5	99.5	100	—	—	—	—
6-15	27.2	54.0	76.0	85.7	93.0	95.5	98.0	98.7	99.7	100	—	—	—	—
6-16(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-17	40.5	72.7	87.0	93.7	96.0	97.7	99.0	99.7	100	—	—	—	—	—
6-18	31.2	66.7	80.5	90.5	96.2	98.5	99.2	99.7	99.7	100	—	—	—	—
6-19	22.2	48.7	69.0	77.7	85.0	91.5	94.2	97.5	99.5	100	—	—	—	—
6-20	31.2	59.7	76.0	84.2	90.7	95.7	98.0	98.0	99.2	100	—	—	—	—
6-21	15.0	42.0	64.0	77.2	87.2	93.2	97.2	98.7	99.7	100	—	—	—	—
6-22(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-23	35.2	64.5	82.0	92.0	97.0	98.5	99.0	99.5	100	—	—	—	—	—
6-25	22.2	44.7	60.0	72.5	83.7	92.0	94.7	97.5	100	—	—	—	—	—
6-27	22.7	47.7	70.7	82.7	89.5	94.0	95.2	98.0	99.5	100	—	—	—	—
6-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 166.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1241, EAST FORK RIVER, WYOMING, 1980

	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
DATE	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	26.5	55.2	69.0	83.0	91.0	95.0	97.0	100	--	--	--	--	--	--
5-16	15.0	41.7	68.7	84.7	91.0	96.0	97.0	99.7	100	--	--	--	--	--
5-19	24.5	53.0	74.2	84.2	89.0	92.2	95.5	97.7	99.0	99.2	100	--	--	--
5-21	15.2	39.0	62.7	78.0	87.7	92.5	95.5	97.5	98.7	99.7	100	--	--	--
5-22	19.5	46.0	61.2	74.5	84.0	90.2	95.2	97.0	99.0	100	--	--	--	--
5-24	35.7	62.7	79.2	89.2	94.7	97.2	98.5	98.5	98.7	99.7	100	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	28.2	58.7	75.7	87.5	93.5	97.2	97.2	97.7	99.0	100	--	--	--	--
5-28	39.7	68.2	85.0	91.2	96.0	98.5	98.7	99.2	100	--	--	--	--	--
5-29	26.2	62.2	83.0	92.2	96.0	99.5	99.7	100	--	--	--	--	--	--
5-30	26.2	56.5	77.0	86.5	91.0	95.2	97.7	98.5	99.0	100	--	--	--	--
6- 1	24.0	61.7	82.0	93.2	98.0	99.2	99.7	99.7	100	--	--	--	--	--
6- 3	24.2	59.5	76.0	87.5	93.0	96.7	98.2	99.5	99.7	100	--	--	--	--
6- 5	23.7	46.5	69.7	83.0	90.7	96.2	98.5	99.2	99.7	100	--	--	--	--
6- 7	24.5	47.0	65.2	78.7	87.0	93.2	96.0	98.5	100	--	--	--	--	--
6- 9	28.0	49.7	61.0	73.2	81.7	89.0	94.5	97.0	99.0	100	--	--	--	--
6-10	34.5	59.5	76.7	86.7	90.5	94.0	95.0	96.5	98.0	99.2	99.7	100	--	--
6-11	40.5	68.5	84.2	92.2	95.5	97.7	99.0	99.2	99.7	99.7	99.7	100	--	--
6-12	38.2	65.2	81.2	88.5	93.5	96.0	97.7	98.2	99.2	99.7	99.7	100	--	--
6-13	34.0	66.7	80.7	88.0	95.0	97.2	98.0	98.7	99.5	100	--	--	--	--
6-14	29.7	63.2	84.0	92.0	96.0	97.5	99.0	99.7	99.7	100	--	--	--	--
6-15	36.5	60.5	72.7	82.7	88.2	91.7	94.7	97.0	99.7	100	--	--	--	--
6-16	29.5	61.7	80.2	88.2	96.5	97.5	98.2	99.0	100	--	--	--	--	--
6-17	35.5	67.2	82.7	91.0	95.0	97.5	98.5	99.2	100	--	--	--	--	--
6-18	21.5	53.7	77.2	88.7	94.5	97.5	98.2	98.7	100	--	--	--	--	--
6-19	23.0	53.2	72.7	85.0	92.5	96.7	97.7	98.5	99.5	100	--	--	--	--
6-20	20.5	48.7	68.0	81.2	87.2	92.0	95.5	96.2	98.7	99.2	99.5	100	--	--
6-21	16.3	40.3	59.4	72.3	82.1	90.8	95.4	98.1	99.6	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	34.2	62.5	77.1	85.7	91.4	95.2	96.6	98.2	99.4	100	--	--	--	--
6-25	30.5	54.5	70.0	82.0	87.0	90.2	92.2	96.2	98.2	99.7	100	--	--	--
6-27	20.6	45.7	65.7	77.1	86.8	92.7	96.3	98.4	99.8	99.9	100	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 167.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1284, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	27.0	52.7	69.0	82.7	88.2	92.0	95.0	96.7	99.2	99.5	100	--	--	--
5-16	16.2	37.2	60.7	76.7	86.0	93.0	97.2	99.0	100	--	--	--	--	--
5-19	31.5	60.7	76.2	89.5	95.2	97.5	98.7	99.2	100	--	--	--	--	--
5-21	25.2	53.5	70.2	82.5	87.0	91.2	92.7	95.7	97.5	99.2	99.7	100	--	--
5-22	21.7	47.5	64.2	76.0	82.2	87.2	90.0	92.7	97.5	99.7	100	--	--	--
5-24	33.0	63.5	80.0	88.7	93.7	95.5	97.2	97.7	99.2	100	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	24.5	65.2	81.7	95.5	98.0	99.0	99.7	100	--	--	--	--	--	--
5-28	32.7	60.2	77.5	89.5	94.0	97.0	98.2	98.7	99.7	99.7	99.7	100	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	20.0	43.7	63.2	79.0	89.0	94.2	97.2	97.2	99.7	100	--	--	--	--
6- 1	35.5	61.7	77.5	92.0	95.2	98.2	99.0	99.2	100	--	--	--	--	--
6- 3	21.7	48.2	68.2	80.0	88.5	93.5	97.5	98.7	100	--	--	--	--	--
6- 5	17.5	41.2	61.2	78.2	87.7	92.7	97.2	99.5	100	--	--	--	--	--
6- 7	25.5	49.5	67.5	79.2	87.0	92.0	95.7	97.0	98.7	99.7	100	--	--	--
6- 9	29.7	51.7	68.0	78.7	86.5	91.7	95.0	96.7	99.0	99.5	100	--	--	--
6-10	34.2	60.2	73.2	81.9	89.1	92.4	95.2	97.1	98.6	99.5	99.8	99.9	99.9	100
6-11	38.2	65.1	81.0	89.8	93.5	96.4	98.7	99.1	99.8	99.8	100	--	--	--
6-12	40.2	63.7	80.2	88.2	92.5	95.0	96.5	98.5	99.7	100	--	--	--	--
6-13	33.3	64.7	83.5	90.6	95.0	97.5	98.5	98.8	99.5	99.8	100	--	--	--
6-14	34.2	69.2	85.5	95.7	97.0	98.5	99.5	99.7	100	--	--	--	--	--
6-15	31.8	59.9	75.4	83.3	88.0	91.0	93.9	95.7	98.4	99.8	100	--	--	--
6-16	24.8	48.0	62.7	71.2	78.3	81.4	84.0	87.9	95.5	98.8	99.8	100	--	--
6-17	25.4	53.6	73.6	86.5	92.6	96.0	98.3	99.2	99.7	99.9	99.9	99.9	100	--
6-18	16.3	41.0	59.6	69.2	78.4	82.6	88.9	93.3	98.1	99.7	100	--	--	--
6-19	25.8	52.1	71.5	82.8	90.1	93.7	95.8	97.2	99.2	99.9	99.9	99.9	100	--
6-20	35.5	65.4	81.7	90.0	94.9	96.6	98.2	99.3	99.8	99.9	99.9	99.9	99.9	100
6-21	19.6	43.9	62.1	74.7	81.9	88.3	92.2	94.8	98.0	99.5	99.9	100	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	21.7	47.8	65.0	75.4	82.3	86.9	90.1	94.0	98.6	99.7	99.9	99.9	99.9	100
6-25	27.4	54.8	75.1	88.1	92.8	95.8	96.9	97.5	99.0	99.5	99.8	99.9	99.9	100
6-27	26.8	56.9	77.1	88.5	93.3	96.6	98.2	99.1	99.8	99.9	99.9	99.9	100	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 168.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1315, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	24.0	52.2	73.2	87.7	93.7	97.0	99.2	100	--	--	--	--	--	--
5-16	8.5	29.5	47.5	66.0	81.7	88.7	94.0	98.0	99.5	99.5	100	--	--	--
5-19	24.0	49.5	65.7	75.2	83.7	90.7	93.2	97.2	99.0	100	--	--	--	--
5-21	29.7	59.0	76.7	85.0	92.2	95.7	97.5	98.0	98.7	100	--	--	--	--
5-22	23.7	51.0	75.0	82.0	89.0	93.2	94.5	95.7	97.5	99.5	100	--	--	--
5-24	31.0	60.7	76.7	86.5	93.5	96.5	98.0	99.0	100	--	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	22.7	45.2	68.2	83.2	92.2	95.7	97.7	99.0	99.7	100	--	--	--	--
5-28	37.0	68.0	82.2	90.2	94.2	96.2	97.7	98.7	99.5	99.7	99.7	100	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	15.2	42.2	62.5	76.5	84.0	91.2	96.2	98.2	100	--	--	--	--	--
6- 1	27.2	53.2	73.5	86.7	93.0	97.0	98.5	99.2	100	--	--	--	--	--
6- 3	14.7	37.5	60.5	80.5	91.7	97.2	99.2	99.7	100	--	--	--	--	--
6- 5	16.0	45.5	67.7	81.2	89.5	93.7	96.7	98.7	100	--	--	--	--	--
6- 7	30.7	63.7	85.7	95.0	98.0	98.7	98.7	99.7	100	--	--	--	--	--
6- 9	45.0	71.7	85.2	95.2	98.2	98.5	99.5	99.7	99.7	100	--	--	--	--
6-10	35.1	65.8	82.3	91.0	94.3	95.9	96.9	98.5	99.8	99.9	99.9	99.9	100	--
6-11	35.2	61.0	77.7	86.8	92.8	95.9	97.6	98.6	99.6	100	--	--	--	--
6-12	33.7	58.2	77.7	88.7	94.7	97.0	98.0	98.5	99.7	99.7	99.7	100	--	--
6-13	26.1	51.9	68.9	80.7	87.3	91.9	95.7	98.6	99.7	100	--	--	--	--
6-14	32.9	66.7	84.7	93.6	96.8	98.0	99.0	99.7	100	--	--	--	--	--
6-15	33.8	60.4	76.2	85.1	90.3	93.9	96.6	98.1	99.5	99.9	100	--	--	--
6-16	33.7	64.5	80.8	89.6	93.6	96.7	98.0	98.4	99.2	99.6	99.8	99.9	99.9	100
6-17	20.2	46.5	67.1	79.6	88.6	92.9	95.2	96.6	98.7	99.4	99.9	99.9	99.9	100
6-18	27.8	51.6	71.4	83.0	89.0	91.9	93.9	95.6	97.9	98.9	99.4	99.8	99.9	100
6-19	28.0	58.2	76.3	87.6	92.8	96.8	98.7	99.2	100	--	--	--	--	--
6-20	30.3	50.7	67.9	81.6	89.0	94.5	97.0	98.5	99.6	99.9	99.9	99.9	99.9	100
6-21	21.8	52.2	71.5	84.1	91.0	95.3	97.1	99.3	99.8	99.9	100	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	22.4	44.5	61.8	72.9	81.2	88.2	91.4	93.8	96.5	98.8	99.6	99.9	100	--
6-25	26.2	49.1	64.5	79.2	86.0	90.8	93.9	97.3	99.3	99.8	99.9	99.9	100	--
6-27	29.1	56.8	78.6	89.7	93.6	95.6	98.5	99.1	99.5	99.7	99.9	99.9	99.9	100
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 169.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1360, EAST FORK RIVER, WYOMING, 1980

	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
DATE	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	22.5	44.2	60.7	76.7	88.7	93.2	94.2	96.7	98.0	100	--	--	--	--
5-16	13.0	37.5	60.2	80.5	88.0	94.0	99.0	100	--	--	--	--	--	--
5-19	30.0	54.7	74.2	86.5	91.7	94.7	96.5	98.0	99.5	100	--	--	--	--
5-21	35.6	62.1	81.0	91.3	95.8	98.3	99.4	99.6	99.9	100	--	--	--	--
5-22	36.9	67.3	85.1	92.4	97.1	98.6	99.0	99.1	100	--	--	--	--	--
5-24	32.0	62.1	78.1	88.7	92.7	95.5	97.2	98.7	99.6	100	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	28.8	54.1	72.6	82.7	90.6	94.7	97.4	98.3	99.7	100	--	--	--	--
5-28	32.7	57.3	75.6	86.3	91.3	94.0	96.0	97.2	99.0	99.5	99.8	100	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	15.5	43.0	61.7	77.2	87.5	94.5	97.5	98.5	99.5	99.7	100	--	--	--
6- 1	28.0	55.5	77.0	90.2	96.0	98.5	99.2	99.5	100	--	--	--	--	--
6- 3	19.2	41.5	62.5	79.2	86.5	95.7	97.7	99.5	99.7	99.7	100	--	--	--
6- 5	18.2	48.7	75.0	86.2	93.7	96.7	98.7	99.7	100	--	--	--	--	--
6- 7	37.7	63.0	83.0	93.0	96.7	97.7	98.7	99.0	99.7	99.7	100	--	--	--
6- 9	35.3	62.3	81.4	91.9	96.5	98.1	99.1	99.8	99.9	100	--	--	--	--
6-10	31.4	57.7	73.4	81.2	87.9	91.6	95.3	97.7	99.8	100	--	--	--	--
6-11	33.2	60.0	76.8	86.8	91.4	93.9	95.6	96.9	98.8	99.8	99.9	100	--	--
6-12	37.5	67.8	85.3	92.5	96.5	98.3	99.2	99.7	100	--	--	--	--	--
6-13	24.6	51.8	73.7	87.2	94.2	97.3	98.5	99.1	100	--	--	--	--	--
6-14	35.4	65.9	84.2	93.0	96.1	97.8	98.4	99.0	99.6	99.8	99.9	99.9	99.9	100
6-15	28.8	55.6	73.4	82.9	89.2	92.7	94.8	96.4	98.5	99.3	99.8	99.9	100	--
6-16	24.3	55.1	75.2	88.2	94.1	96.7	98.3	99.1	99.6	99.9	100	--	--	--
6-17	22.6	47.4	70.3	83.3	89.3	93.5	96.8	98.8	99.8	99.9	100	--	--	--
6-18	32.5	61.9	79.9	89.5	95.0	96.8	97.8	99.0	99.9	100	--	--	--	--
6-19	27.5	58.7	77.4	88.1	92.9	95.5	97.8	99.1	99.8	100	--	--	--	--
6-20	26.2	49.0	64.8	75.6	85.1	92.2	96.1	98.2	99.7	100	--	--	--	--
6-21	24.1	50.2	72.4	82.6	89.0	92.8	95.1	97.3	98.5	99.2	99.8	99.9	99.9	100
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	29.9	61.1	78.2	89.0	92.9	96.1	98.5	98.8	99.7	100	--	--	--	--
6-25	31.4	59.9	77.5	87.5	94.1	97.2	98.1	98.5	99.8	100	--	--	--	--
6-27	34.1	67.8	86.5	94.0	97.3	99.2	99.5	99.8	99.9	99.9	100	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 170.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1396, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	23.2	47.2	66.2	78.5	86.0	91.7	95.2	98.0	100	—	—	—	—	—
5-16	23.0	51.5	75.7	90.2	95.5	98.5	98.7	100	—	—	—	—	—	—
5-19	22.5	45.2	66.5	77.2	86.0	92.0	95.0	97.5	98.2	99.0	99.7	100	—	—
5-21	32.4	62.7	79.1	90.0	95.5	98.3	99.4	99.7	99.9	100	—	—	—	—
5-22	30.5	58.7	76.8	88.8	93.9	97.6	99.2	99.7	100	—	—	—	—	—
5-24	28.1	59.2	76.2	87.7	91.8	95.9	97.2	98.6	99.7	100	—	—	—	—
5-26(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-27	24.6	49.7	69.2	81.9	89.1	94.0	97.0	98.2	99.6	100	—	—	—	—
5-28	30.8	61.3	77.6	88.3	93.5	96.6	98.6	99.3	99.9	100	—	—	—	—
5-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-30	23.0	44.5	68.2	79.7	88.0	92.5	97.0	98.2	99.0	100	—	—	—	—
6- 1	19.2	40.7	67.0	82.0	91.0	96.2	98.0	98.7	100	—	—	—	—	—
6- 3	11.2	28.5	49.0	64.5	76.0	87.2	93.7	99.0	99.5	100	—	—	—	—
6- 5	20.7	47.0	66.5	82.0	91.2	96.2	98.5	99.5	99.7	99.7	100	—	—	—
6- 7	30.0	52.7	74.7	85.7	93.2	96.5	99.0	99.5	99.5	99.5	100	—	—	—
6- 9	38.4	62.5	80.2	91.4	96.0	97.8	99.2	99.7	99.9	100	—	—	—	—
6-10	29.8	57.5	74.1	84.8	91.0	94.0	96.1	96.7	98.9	100	—	—	—	—
6-11	33.1	59.0	76.7	88.0	92.5	95.6	96.7	97.9	99.1	99.7	99.8	100	—	—
6-12	27.3	54.7	75.0	84.6	90.1	93.7	95.8	97.0	99.2	99.7	99.9	100	—	—
6-13	24.9	53.1	74.0	86.7	92.8	96.4	97.6	98.6	99.9	99.9	100	—	—	—
6-14	29.5	58.1	75.8	85.4	91.8	95.7	97.4	98.5	99.4	99.8	99.8	100	—	—
6-15	28.3	56.2	75.5	86.4	91.1	94.9	97.0	98.6	99.6	99.9	100	—	—	—
6-16	20.3	47.9	67.6	82.2	89.3	93.4	96.3	97.9	99.7	100	—	—	—	—
6-17	23.2	50.5	72.2	85.8	91.0	94.0	97.2	99.0	99.8	99.9	100	—	—	—
6-18	31.4	59.4	77.1	86.5	91.9	94.6	96.1	97.8	99.3	99.8	99.9	99.9	100	—
6-19	24.8	54.8	74.4	85.1	90.7	93.9	96.1	97.5	99.1	99.6	100	—	—	—
6-20	35.6	64.7	81.7	90.8	95.2	97.8	98.6	98.8	99.5	100	—	—	—	—
6-21	28.4	56.9	79.8	87.6	93.5	96.7	98.4	99.7	100	—	—	—	—	—
6-22(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-23	31.4	63.6	80.5	91.5	95.1	97.4	99.0	99.2	99.9	100	—	—	—	—
6-25	36.2	62.8	81.2	88.6	92.3	94.5	95.8	98.0	99.4	100	—	—	—	—
6-27	28.7	61.4	80.8	88.8	94.0	96.7	97.7	99.0	99.4	99.8	99.8	99.8	99.8	100
6-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 171.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1425, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	20.5	42.0	56.7	70.2	85.0	92.0	95.2	98.2	99.7	100	--	--	--	--
5-16	23.7	49.5	72.2	87.7	94.0	98.2	99.7	100	--	--	--	--	--	--
5-19	25.7	45.2	62.2	76.7	84.7	90.0	92.5	96.0	99.0	100	--	--	--	--
5-21	36.3	62.5	77.6	87.2	92.1	95.1	95.9	97.1	99.3	99.5	100	--	--	--
5-22	23.6	46.7	63.4	77.0	84.5	90.2	95.6	97.2	99.1	99.6	100	--	--	--
5-24	25.0	50.5	69.2	83.8	88.7	92.9	95.2	97.7	99.4	100	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	27.0	52.7	71.0	83.4	90.8	94.9	97.3	97.9	99.5	100	--	--	--	--
5-28	31.0	59.0	75.3	86.5	93.0	96.2	98.4	98.8	99.9	100	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	22.2	47.5	70.2	81.7	90.0	94.7	97.5	98.7	99.7	100	--	--	--	--
6- 1	21.2	46.5	68.5	82.5	93.7	97.7	99.2	99.7	100	--	--	--	--	--
6- 3	24.5	57.0	81.5	93.2	97.5	98.7	100	--	--	--	--	--	--	--
6- 5	18.7	43.0	65.7	81.7	89.7	95.2	98.7	99.0	99.5	100	--	--	--	--
6- 7	31.7	54.0	74.5	87.2	93.0	95.5	96.7	97.2	99.7	100	--	--	--	--
6- 9	32.8	56.0	76.4	88.0	94.0	97.0	98.5	99.8	100	--	--	--	--	--
6-10	38.4	68.5	83.8	89.9	93.9	96.8	98.4	99.1	99.4	99.8	100	--	--	--
6-11	36.9	65.9	81.4	92.1	95.9	97.0	97.6	98.7	99.3	99.8	99.9	99.9	100	--
6-12	31.9	60.7	79.4	88.4	92.7	95.5	97.0	98.6	99.5	99.8	100	--	--	--
6-13	24.3	53.1	74.9	88.5	94.9	97.5	98.3	98.8	99.9	99.9	100	--	--	--
6-14	29.7	59.2	77.9	88.4	93.4	96.8	98.1	99.1	99.8	99.9	99.9	100	--	--
6-15	29.0	59.2	79.8	89.0	92.6	96.4	97.6	98.8	99.5	99.8	99.9	100	--	--
6-16	26.2	59.1	78.7	91.0	95.6	97.6	99.0	99.5	99.8	100	--	--	--	--
6-17	23.0	48.2	72.2	85.2	90.2	92.7	96.5	99.0	100	--	--	--	--	--
6-18	31.3	59.2	74.7	83.5	89.3	91.7	93.1	95.4	98.3	99.8	99.9	100	--	--
6-19	25.4	59.9	81.2	92.0	95.9	97.5	99.0	99.6	100	--	--	--	--	--
6-20	35.8	64.3	81.9	91.4	96.2	98.1	98.9	99.2	99.7	99.9	100	--	--	--
6-21	28.6	57.6	81.1	89.2	94.7	97.6	98.5	99.7	99.9	99.9	100	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	30.6	62.0	80.4	90.6	94.6	97.4	99.2	99.2	99.7	100	--	--	--	--
6-25	40.1	70.2	86.1	93.3	95.9	97.5	98.4	99.1	99.7	99.9	100	--	--	--
6-27	32.3	64.4	83.6	91.7	95.7	98.5	99.3	99.7	99.9	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 172.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1481, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	40.7	68.2	84.0	93.2	96.7	97.7	98.0	98.2	99.7	100	--	--	--	--
5-16	36.0	62.5	79.7	88.0	94.0	96.7	97.7	99.2	99.7	99.7	100	--	--	--
5-19	18.0	44.5	70.7	84.2	93.7	97.7	99.5	99.7	99.7	100	--	--	--	--
5-21	30.9	55.0	75.2	84.2	90.8	96.2	98.1	99.6	99.8	100	--	--	--	--
5-22	39.4	67.3	82.2	89.7	93.7	97.3	98.3	98.5	99.8	100	--	--	--	--
5-24	25.0	51.7	71.2	82.7	89.7	92.5	94.5	96.7	98.5	99.7	99.7	100	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	18.0	47.0	68.7	84.0	92.0	94.5	97.7	99.5	99.5	100	--	--	--	--
5-28	35.7	60.0	80.7	90.5	94.2	96.7	99.2	99.2	99.7	99.7	99.7	100	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	21.7	54.0	73.7	86.2	95.5	97.5	99.7	100	--	--	--	--	--	--
6- 1	16.2	41.0	62.0	77.7	86.2	92.2	96.0	98.5	99.7	100	--	--	--	--
6- 3	21.7	50.2	71.2	89.5	94.2	96.5	98.5	99.7	99.7	100	--	--	--	--
6- 5	19.0	45.5	65.5	82.7	88.7	93.7	97.0	98.7	100	--	--	--	--	--
6- 7	22.7	52.2	75.2	88.0	94.2	97.7	99.2	99.5	100	--	--	--	--	--
6- 9	28.7	54.2	71.3	82.7	88.7	93.3	95.8	97.0	98.9	99.6	99.7	99.9	100	--
6-10	26.9	51.4	70.9	83.4	90.0	94.4	96.3	98.3	99.4	99.9	100	--	--	--
6-11	20.8	42.7	60.3	73.6	83.3	89.5	94.1	95.9	98.5	99.5	99.8	99.9	100	--
6-12	31.2	57.4	74.5	85.4	90.6	95.0	96.8	98.0	99.1	99.7	99.9	99.9	100	--
6-13	24.8	52.7	71.6	83.0	90.1	94.5	97.2	98.8	99.6	99.9	99.9	99.9	100	--
6-14	27.1	54.9	74.7	85.9	91.8	95.1	97.0	98.3	99.6	99.8	99.9	100	--	--
6-15	22.6	50.6	68.2	79.6	87.0	91.4	95.2	97.3	99.4	99.8	99.9	99.9	100	--
6-16	18.3	44.1	64.3	77.8	83.2	88.7	92.8	95.0	98.3	99.8	99.9	99.9	100	--
6-17	25.4	52.9	72.4	85.0	91.4	95.2	97.4	98.1	99.3	99.9	99.9	99.9	100	--
6-18	27.3	53.1	72.6	84.1	91.6	95.2	97.1	98.6	99.6	99.9	99.9	99.9	100	--
6-19	17.1	37.6	56.2	68.4	78.2	85.2	90.6	94.9	99.0	99.9	99.9	99.9	100	--
6-20	21.5	44.3	63.6	76.7	86.6	92.8	95.9	98.1	99.7	99.9	99.9	99.9	100	--
6-21	29.4	55.2	72.2	84.8	91.0	95.1	97.4	98.2	99.3	99.7	99.9	100	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	26.5	54.7	74.6	85.9	91.5	95.6	96.7	98.2	99.3	99.9	100	--	--	--
6-25	27.5	51.4	68.3	78.5	86.2	91.5	95.5	97.5	99.6	99.8	100	--	--	--
6-27	29.5	58.4	77.1	90.0	95.4	97.9	99.0	99.8	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 173.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1533, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	30.7	63.5	81.5	90.2	97.0	98.2	98.7	99.2	99.7	100	—	—	—	—
5-16	30.0	58.0	75.7	88.0	94.2	96.7	98.5	99.7	99.7	99.7	100	—	—	—
5-19	35.7	66.2	81.0	89.5	93.2	95.7	96.7	97.7	98.7	99.2	100	—	—	—
5-21	24.0	49.0	67.0	80.5	90.2	94.5	97.5	97.7	99.5	99.7	100	—	—	—
5-22	32.2	54.5	70.7	81.5	90.5	94.7	96.7	98.0	99.2	99.7	99.7	100	—	—
5-24	23.2	54.0	72.7	81.7	86.2	93.2	96.2	97.2	99.5	100	—	—	—	—
5-26(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-27	17.2	46.5	65.0	80.2	87.2	93.0	94.5	96.5	98.7	100	—	—	—	—
5-28	19.5	38.2	52.7	67.7	77.0	84.7	90.5	93.0	99.0	100	—	—	—	—
5-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-30	21.2	50.0	77.5	88.7	95.5	97.0	99.2	99.2	100	—	—	—	—	—
6- 1	27.4	56.3	77.7	88.0	95.0	97.7	99.1	99.6	99.8	99.8	100	—	—	—
6- 3	23.7	48.7	71.2	83.5	92.7	96.5	97.7	98.2	99.7	100	—	—	—	—
6- 5	22.7	48.1	67.5	80.3	88.4	95.1	97.5	98.9	99.6	100	—	—	—	—
6- 7	25.4	51.0	66.1	78.3	86.9	90.8	95.3	97.4	98.8	99.8	100	—	—	—
6- 9	34.9	61.1	75.9	87.1	92.4	95.5	97.3	98.5	99.4	99.8	100	—	—	—
6-10	22.3	48.4	68.1	81.2	87.3	92.7	95.0	97.5	99.2	99.5	100	—	—	—
6-11	22.6	43.0	59.9	73.5	81.7	87.4	92.2	95.6	98.9	99.8	99.9	99.9	100	—
6-12	30.6	53.0	67.4	77.1	84.9	89.9	93.6	95.7	98.9	99.9	100	—	—	—
6-13	20.5	48.5	70.1	84.5	91.3	95.6	97.2	98.7	99.8	99.9	99.9	99.9	100	—
6-14	22.5	49.1	67.5	79.9	86.0	91.1	94.4	96.1	98.9	99.7	99.9	100	—	—
6-15	19.6	44.2	63.0	74.9	81.9	88.7	92.5	95.3	98.0	99.4	99.9	99.9	100	—
6-16(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-17	26.0	55.0	74.7	85.5	91.6	95.5	97.4	98.9	99.6	99.9	99.9	99.9	100	—
6-18	22.7	46.7	64.5	75.8	83.1	89.2	92.7	95.1	97.7	99.4	99.9	99.9	100	—
6-19	28.3	55.2	73.5	86.1	92.5	95.9	97.7	98.4	99.5	99.8	99.8	99.9	100	—
6-20	30.9	57.6	73.8	84.5	92.9	96.4	97.7	98.9	99.9	99.9	99.9	99.9	100	—
6-21	23.8	50.5	70.1	82.7	89.4	92.4	95.5	96.9	98.9	99.7	99.9	100	—	—
6-22(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6-23	18.7	44.6	58.8	72.1	80.8	85.9	91.4	94.6	97.9	99.0	99.8	100	—	—
6-25	22.8	46.1	61.3	72.9	81.5	88.8	93.4	96.3	98.9	99.8	99.9	100	—	—
6-27	22.6	49.2	68.5	80.1	88.2	93.9	96.8	98.2	99.5	99.9	99.9	99.9	100	—
6-29(1)	—	—	—	—	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 174.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1573, EAST FORK RIVER, WYOMING, 1980

	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
DATE	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	38.5	65.0	79.2	86.2	92.5	95.2	97.5	99.2	99.7	100	--	--	--	--
5-16	29.6	58.1	75.6	87.7	92.7	95.7	98.1	99.5	100	--	--	--	--	--
5-19	39.2	66.5	82.0	91.0	96.7	98.5	98.7	99.5	100	--	--	--	--	--
5-21	30.7	57.5	74.7	87.2	92.7	97.0	99.2	99.7	99.7	100	--	--	--	--
5-22	19.7	43.5	63.5	79.2	87.0	94.0	97.2	98.5	100	--	--	--	--	--
5-24	16.5	41.7	60.7	72.5	81.7	89.7	95.5	97.7	99.2	99.5	99.5	99.5	100	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	20.7	38.7	61.0	79.2	88.5	94.7	96.5	98.7	99.7	99.7	100	--	--	--
5-28	25.5	59.0	79.7	86.7	92.7	96.7	97.7	98.7	99.5	99.5	100	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	27.0	55.2	75.2	87.0	93.2	96.5	98.5	98.7	100	--	--	--	--	--
6- 1	28.0	54.1	69.5	81.1	90.4	95.6	98.8	99.0	99.8	100	--	--	--	--
6- 3	17.5	40.7	65.0	83.0	91.5	96.0	97.2	99.2	100	--	--	--	--	--
6- 5	20.2	41.5	64.2	78.2	87.7	94.7	97.0	98.7	100	--	--	--	--	--
6- 7	29.7	58.0	76.1	84.7	92.4	96.1	97.2	99.2	99.8	99.8	100	--	--	--
6- 9	29.6	60.1	76.2	86.5	90.7	94.0	96.0	97.5	98.9	99.6	100	--	--	--
6-10	27.2	56.7	73.1	85.0	91.0	94.5	97.2	98.2	99.3	100	--	--	--	--
6-11	28.7	53.3	71.0	81.2	88.1	92.9	95.1	96.5	99.3	99.8	99.9	100	--	--
6-12	33.6	56.7	72.2	80.7	86.4	90.8	94.2	96.2	99.0	99.7	99.9	99.9	100	--
6-13	25.2	55.9	75.3	86.2	93.6	97.0	98.4	99.1	99.8	99.9	100	--	--	--
6-14	22.5	47.8	65.8	77.3	85.4	90.7	94.1	96.8	99.1	99.7	99.9	99.9	100	--
6-15	19.5	40.2	57.8	73.1	82.7	88.9	91.9	94.2	98.2	99.3	99.9	100	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	22.2	47.2	67.3	79.3	87.0	91.8	95.3	97.6	99.3	99.9	99.9	100	--	--
6-18	20.0	42.1	59.0	72.2	80.4	88.3	93.5	96.4	99.0	99.7	99.9	99.9	100	--
6-19	21.4	45.1	65.0	80.4	89.9	96.4	98.6	99.2	99.8	99.9	99.9	100	--	--
6-20	30.7	59.0	75.8	87.3	93.1	96.1	97.8	98.7	99.6	99.9	100	--	--	--
6-21	24.2	47.5	63.4	75.0	82.6	89.4	94.1	96.8	99.9	99.9	100	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	25.3	54.3	72.1	84.0	91.6	94.5	95.8	97.4	99.1	99.8	99.9	99.9	99.9	100
6-25	24.6	48.3	68.5	82.6	91.3	96.1	97.5	98.8	99.8	99.9	100	--	--	--
6-27	23.7	48.2	67.8	79.8	88.7	93.6	96.6	97.8	99.5	99.9	99.9	99.9	99.9	100
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 175.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1610, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	40.2	68.0	84.7	93.2	97.5	98.7	100	--	--	--	--	--	--	--
5-16	29.2	58.2	75.5	87.5	91.2	94.7	97.7	99.2	100	--	--	--	--	--
5-19	31.2	60.2	79.7	88.7	91.5	94.7	97.0	98.5	99.7	100	--	--	--	--
5-21	22.2	47.0	69.5	83.7	91.2	96.2	99.0	99.5	99.7	100	--	--	--	--
5-22	33.7	57.7	74.2	83.2	93.7	96.2	97.5	99.5	99.7	99.7	100	--	--	--
5-24	32.7	61.0	80.2	89.5	96.0	98.0	98.2	99.5	99.5	99.7	100	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	25.7	54.7	75.0	85.2	92.2	95.5	98.0	99.2	99.7	100	--	--	--	--
5-28	18.5	44.5	63.5	76.0	86.7	92.5	95.0	97.5	99.7	99.7	99.7	100	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	20.0	50.0	68.5	82.2	91.5	94.5	96.7	97.7	100	--	--	--	--	--
6- 1	22.7	52.7	71.0	81.0	90.5	94.7	97.7	98.7	100	--	--	--	--	--
6- 3	24.0	53.2	73.5	81.0	87.2	93.0	95.7	98.2	99.2	100	--	--	--	--
6- 5	21.2	50.4	72.4	84.9	92.2	96.2	98.7	99.7	100	--	--	--	--	--
6- 7	12.7	33.1	53.2	68.6	81.8	88.7	92.8	97.8	99.5	99.8	100	--	--	--
6- 9	25.9	52.9	73.2	85.4	93.1	96.5	97.8	99.0	99.8	99.8	100	--	--	--
6-10	21.2	43.8	62.9	77.7	87.2	93.3	97.2	98.6	99.5	99.8	100	--	--	--
6-11	22.4	43.3	61.1	73.1	82.8	89.7	93.8	96.5	98.7	99.7	99.9	100	--	--
6-12	21.0	38.2	54.0	68.9	78.1	87.7	92.9	95.7	98.6	99.6	99.9	99.9	100	--
6-13	22.9	56.0	78.1	88.1	95.5	97.9	99.1	99.9	99.9	100	--	--	--	--
6-14	26.0	51.2	71.4	81.1	87.6	93.1	95.8	97.3	99.2	99.9	99.9	99.9	100	--
6-15	22.5	48.4	67.3	82.5	90.9	94.8	97.4	98.9	100	--	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	26.9	58.1	76.4	87.2	92.6	97.8	98.8	99.3	100	--	--	--	--	--
6-18	20.3	44.6	63.3	77.7	86.7	92.8	96.3	97.9	99.6	99.9	100	--	--	--
6-19	24.1	50.0	66.0	76.4	84.8	90.2	95.0	98.1	99.3	99.8	99.8	100	--	--
6-20	33.6	61.3	80.4	91.1	96.3	98.8	99.1	99.3	100	--	--	--	--	--
6-21	28.4	59.0	78.4	87.4	91.8	95.4	96.6	98.9	99.4	99.9	100	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	21.0	48.1	67.2	80.1	89.0	94.3	98.1	98.6	99.8	100	--	--	--	--
6-25	35.0	65.7	77.5	87.7	92.2	96.0	97.0	99.5	99.7	99.7	100	--	--	--
6-27	23.3	48.7	64.8	75.8	85.4	90.9	94.7	97.6	99.4	99.9	99.9	99.9	99.9	100
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 176.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1662, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	32.0	58.5	73.5	86.5	94.2	97.2	98.2	99.7	99.7	100	--	--	--	--
5-16	25.2	48.2	69.2	83.0	92.0	97.2	99.2	100	--	--	--	--	--	--
5-19	31.5	59.2	78.2	88.7	94.0	97.0	98.7	99.5	100	--	--	--	--	--
5-21	31.2	57.7	75.7	83.7	89.2	93.2	96.2	97.7	99.7	100	--	--	--	--
5-22	19.5	38.0	55.7	70.7	79.7	88.0	93.0	94.7	99.5	100	--	--	--	--
5-24	31.0	59.7	75.0	88.0	93.2	97.0	97.2	99.0	99.7	99.7	100	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	25.7	52.5	70.7	79.7	88.2	93.7	96.2	97.2	99.5	100	--	--	--	--
5-28	19.5	48.2	73.5	86.2	94.2	98.0	98.7	99.7	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	20.7	48.0	67.0	81.5	91.5	95.2	96.7	98.5	99.7	100	--	--	--	--
6- 1	25.7	45.7	62.5	76.0	86.0	90.5	95.5	97.5	99.5	99.7	99.7	100	--	--
6- 3	24.2	51.0	72.5	88.5	94.0	97.5	98.7	99.5	100	--	--	--	--	--
6- 5	27.7	53.5	70.7	85.7	92.5	96.7	97.7	99.0	99.7	100	--	--	--	--
6- 7	29.0	56.5	75.2	85.0	90.7	96.5	98.5	99.2	99.7	99.7	99.7	100	--	--
6- 9	32.0	62.7	83.2	93.0	97.0	99.0	99.7	100	--	--	--	--	--	--
6-10	44.0	70.5	85.7	91.7	95.2	97.0	99.0	99.2	99.5	100	--	--	--	--
6-11	31.2	54.7	75.7	87.0	92.7	97.5	98.7	99.0	100	--	--	--	--	--
6-12	30.7	58.2	77.2	85.0	92.0	95.7	97.2	99.2	99.7	99.7	100	--	--	--
6-13	26.2	59.2	79.5	89.0	96.0	98.7	99.5	99.7	100	--	--	--	--	--
6-14	23.0	49.7	71.0	84.0	90.7	94.0	98.2	99.2	99.7	99.7	100	--	--	--
6-15	22.0	48.7	70.2	83.2	91.2	97.0	98.0	98.7	99.7	99.7	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	25.5	55.2	73.7	85.5	92.5	97.5	99.2	99.5	100	--	--	--	--	--
6-18	24.5	52.7	67.0	77.7	86.7	91.7	94.2	97.2	99.2	100	--	--	--	--
6-19	35.5	68.0	81.0	87.5	91.7	95.2	96.5	98.5	100	--	--	--	--	--
6-20	30.7	64.2	82.2	88.0	93.2	96.5	97.7	99.0	99.7	99.7	100	--	--	--
6-21	27.0	55.2	75.2	88.7	93.5	96.7	97.7	99.0	100	--	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	27.0	53.2	75.2	85.7	91.7	96.0	98.2	99.0	100	--	--	--	--	--
6-25	23.2	49.7	65.5	78.2	85.2	91.0	94.5	96.2	97.7	100	--	--	--	--
6-27	33.5	63.0	82.0	92.2	96.7	98.0	99.2	100	--	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 177.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1695, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	30.5	56.5	74.2	87.2	92.2	96.7	98.7	99.5	100	--	--	--	--	--
5-16	30.5	54.5	73.7	86.7	94.2	97.0	98.2	99.0	99.5	100	--	--	--	--
5-19	35.0	63.0	79.2	90.5	97.5	99.5	99.7	99.7	100	--	--	--	--	--
5-21	31.5	61.0	79.7	87.2	93.7	96.5	98.2	98.7	100	--	--	--	--	--
5-22	30.0	57.2	73.0	85.5	91.7	95.2	97.7	98.0	100	--	--	--	--	--
5-24	26.2	56.5	75.5	90.2	96.5	98.5	98.7	99.7	99.7	100	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	22.7	54.5	73.5	85.5	93.2	95.5	97.0	97.5	99.2	99.7	100	--	--	--
5-28	27.0	53.2	71.7	81.7	90.2	93.5	97.2	98.2	99.7	100	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	19.0	47.7	68.0	79.7	88.2	94.0	96.7	99.0	99.7	100	--	--	--	--
6- 1	31.0	59.0	81.2	90.7	97.7	99.0	99.7	100	--	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5	28.7	54.0	72.0	83.2	89.7	94.7	96.7	97.5	99.2	99.5	100	--	--	--
6- 7	32.2	69.7	83.2	90.0	95.7	97.5	98.5	99.5	100	--	--	--	--	--
6- 9	34.2	60.2	77.2	86.5	92.5	96.5	98.7	99.2	100	--	--	--	--	--
6-10	36.7	62.2	78.0	87.2	93.5	96.7	98.5	99.5	99.7	100	--	--	--	--
6-11	37.2	67.2	80.5	90.5	95.2	98.0	99.0	99.5	100	--	--	--	--	--
6-12	31.7	59.2	78.0	86.5	91.0	95.7	97.7	99.0	100	--	--	--	--	--
6-13	20.7	46.0	65.7	79.7	90.0	92.7	96.7	97.7	99.7	100	--	--	--	--
6-14	21.0	50.2	72.0	83.7	91.7	95.5	97.7	99.0	99.5	100	--	--	--	--
6-15	34.2	61.0	75.2	86.2	92.5	95.5	97.5	98.2	99.7	100	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	26.7	54.7	72.0	86.2	90.5	95.5	97.0	98.5	99.7	100	--	--	--	--
6-18	37.2	67.2	82.2	91.7	96.0	98.2	99.2	100	--	--	--	--	--	--
6-19	37.7	67.5	81.0	90.2	96.0	98.0	98.5	99.5	99.7	100	--	--	--	--
6-20	29.7	56.0	73.2	87.7	93.7	97.0	99.7	99.7	100	--	--	--	--	--
6-21	19.7	42.5	62.7	77.5	85.5	93.0	95.2	98.0	99.7	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	23.7	51.2	70.7	85.7	90.0	94.7	96.2	97.5	99.2	100	--	--	--	--
6-25	22.7	50.2	67.0	81.0	90.0	94.5	97.2	98.0	99.7	100	--	--	--	--
6-27	32.2	61.0	79.5	88.0	92.0	96.0	98.2	99.5	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 178.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1730, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	38.7	66.0	82.2	94.5	97.0	99.0	99.7	99.7	99.7	100	--	--	--	--
5-16	31.7	56.5	74.2	86.0	93.2	97.5	99.2	99.5	100	--	--	--	--	--
5-19	33.7	60.7	78.5	88.2	93.0	97.2	98.0	98.7	99.5	100	--	--	--	--
5-21	28.2	56.2	75.0	87.5	92.0	95.0	97.2	98.5	99.7	100	--	--	--	--
5-22	27.0	50.7	68.0	80.5	91.0	94.2	95.7	98.5	100	--	--	--	--	--
5-24	28.5	58.5	78.7	90.7	95.5	98.5	99.0	99.0	99.0	100	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	12.7	39.0	59.5	74.5	89.0	92.7	96.5	99.2	99.7	100	--	--	--	--
5-28	36.7	58.0	76.7	89.5	95.2	97.5	98.7	99.5	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	22.0	56.0	77.5	89.2	95.0	98.2	99.5	99.5	100	--	--	--	--	--
6- 1(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 7	35.2	69.5	85.2	93.0	96.5	97.7	98.5	98.7	99.5	100	--	--	--	--
6- 9	36.2	68.2	82.5	92.0	96.2	98.7	99.0	99.2	99.2	99.5	100	--	--	--
6-10	37.2	59.5	76.0	86.7	91.5	94.7	97.0	99.2	99.7	100	--	--	--	--
6-11	25.0	49.7	67.5	81.7	89.0	94.2	97.0	99.0	99.7	100	--	--	--	--
6-12	30.7	59.5	78.2	85.7	90.7	95.0	97.5	98.7	99.7	100	--	--	--	--
6-13	12.5	35.0	55.2	70.2	80.7	88.7	92.7	94.7	98.2	100	--	--	--	--
6-14	22.2	50.5	66.0	80.7	87.2	91.7	96.0	98.7	99.7	100	--	--	--	--
6-15	38.2	68.2	85.5	92.0	95.5	97.2	97.5	98.7	99.7	99.7	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	35.7	65.7	84.7	93.2	96.2	99.2	99.7	99.7	100	--	--	--	--	--
6-18	25.5	52.7	71.0	83.2	91.0	94.5	97.2	98.0	100	--	--	--	--	--
6-19	24.7	51.0	70.2	82.7	89.0	93.5	96.0	96.2	99.2	99.5	100	--	--	--
6-20	19.5	47.2	71.2	85.0	91.2	95.2	96.5	98.0	99.0	100	--	--	--	--
6-21	19.2	48.7	70.7	86.0	92.0	96.0	97.0	99.0	99.2	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	23.0	52.5	73.0	87.7	92.0	95.5	97.7	98.7	99.7	100	--	--	--	--
6-25	30.2	57.5	75.5	86.2	92.7	96.5	98.0	98.5	99.7	100	--	--	--	--
6-27	20.2	44.7	64.0	74.2	82.7	89.7	95.2	96.5	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 179.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1766, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	24.2	59.0	74.0	86.2	94.5	96.0	98.5	99.0	100	--	--	--	--	--
5-16	37.5	66.0	79.2	90.2	95.2	97.0	98.5	99.5	99.7	100	--	--	--	--
5-19	34.2	55.2	72.0	83.2	88.5	94.0	96.0	97.0	100	--	--	--	--	--
5-21	22.5	48.2	70.2	84.0	89.7	95.5	97.0	98.0	100	--	--	--	--	--
5-22	33.2	59.7	73.5	86.0	93.2	95.2	96.7	98.2	99.5	100	--	--	--	--
5-24	14.5	39.2	60.0	74.0	82.7	89.2	94.0	96.2	98.7	99.5	99.5	100	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	31.0	58.0	76.5	87.2	93.5	96.2	98.2	99.0	99.7	100	--	--	--	--
5-28	21.2	42.7	64.5	78.0	91.5	95.5	98.5	100	--	--	--	--	--	--
5-29	23.5	58.7	82.0	91.7	97.5	98.5	99.5	99.7	100	--	--	--	--	--
5-30	30.0	57.7	74.7	86.2	91.7	95.0	97.7	99.0	99.7	100	--	--	--	--
6- 1	43.2	70.5	80.2	90.5	94.7	98.0	99.5	99.5	99.5	100	--	--	--	--
6- 3	32.5	62.7	80.7	91.0	95.5	97.2	98.0	99.0	99.7	100	--	--	--	--
6- 5	36.0	69.7	83.5	89.0	94.5	97.2	98.2	99.2	99.7	100	--	--	--	--
6- 7	28.0	51.2	68.2	86.5	90.5	95.7	98.2	99.0	99.7	100	--	--	--	--
6- 9	33.0	57.0	76.2	88.2	92.5	96.2	98.0	99.0	99.7	100	--	--	--	--
6-10	43.5	68.7	85.0	94.7	98.0	99.0	99.7	100	--	--	--	--	--	--
6-11	28.5	50.0	70.2	83.5	90.5	94.5	96.2	98.2	99.2	99.7	100	--	--	--
6-12	20.5	49.2	69.7	82.0	88.7	92.7	95.0	96.5	98.5	99.7	100	--	--	--
6-13	19.5	45.0	68.2	81.0	88.2	92.5	95.0	96.7	98.7	100	--	--	--	--
6-14	24.8	52.5	73.1	85.7	91.5	95.0	97.7	99.3	99.8	100	--	--	--	--
6-15	28.7	52.5	74.7	85.2	91.0	96.0	97.5	98.5	99.5	99.7	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	24.5	53.0	71.0	81.5	90.5	95.5	96.7	98.0	98.7	99.5	100	--	--	--
6-18	31.7	60.0	79.0	91.7	95.2	98.0	99.2	99.2	100	--	--	--	--	--
6-19	20.5	48.0	70.5	83.2	90.7	96.5	99.0	99.7	100	--	--	--	--	--
6-20	23.7	50.5	70.2	86.2	93.0	96.2	98.0	99.0	100	--	--	--	--	--
6-21	16.5	39.2	63.7	78.7	87.2	93.0	95.0	97.2	100	--	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	27.7	60.7	79.2	89.0	95.5	97.7	98.0	99.2	100	--	--	--	--	--
6-25	23.2	46.7	64.2	73.5	84.2	90.2	93.0	95.7	98.7	99.7	100	--	--	--
6-27	21.0	46.7	70.2	86.0	92.5	96.0	98.0	99.0	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 180.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1800, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	33.5	54.0	71.5	84.5	92.2	94.5	97.7	99.2	99.5	100	--	--	--	--
5-16	31.2	54.0	77.2	86.5	90.7	95.0	96.7	98.2	99.7	99.7	99.7	100	--	--
5-19	33.2	66.2	81.7	89.5	95.7	98.2	99.0	99.5	100	--	--	--	--	--
5-21	28.2	59.7	80.2	92.7	96.0	97.2	99.0	99.5	100	--	--	--	--	--
5-22	43.2	74.2	87.0	93.7	97.0	98.7	99.2	100	--	--	--	--	--	--
5-24	20.0	42.2	61.5	79.0	88.7	96.0	97.0	99.2	100	--	--	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	31.2	60.0	74.0	83.5	88.5	94.2	96.5	98.5	99.0	99.7	99.7	100	--	--
5-28	35.2	68.2	85.5	91.2	96.0	98.5	99.2	99.7	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	30.7	58.7	71.0	82.7	90.7	95.0	96.5	97.2	100	--	--	--	--	--
6- 1	41.0	71.7	85.7	93.7	96.5	99.0	100	--	--	--	--	--	--	--
6- 3	41.0	71.2	85.7	91.2	95.2	99.0	99.7	100	--	--	--	--	--	--
6- 5	34.5	64.7	82.2	90.7	96.2	97.5	99.5	99.5	100	--	--	--	--	--
6- 7	25.5	55.2	75.7	88.2	92.5	95.0	96.2	98.5	99.5	100	--	--	--	--
6- 9	46.7	72.7	84.7	92.7	97.0	97.7	99.2	99.7	99.7	100	--	--	--	--
6-10	26.2	55.5	73.0	85.0	91.0	95.7	97.0	98.7	99.7	99.7	100	--	--	--
6-11	30.0	57.0	72.2	85.0	90.5	94.7	97.0	98.0	99.7	99.7	99.7	100	--	--
6-12	24.7	55.2	69.5	82.2	89.5	93.0	95.5	97.0	99.0	100	--	--	--	--
6-13	16.0	42.0	64.2	75.7	86.5	91.7	95.7	98.0	99.5	99.7	100	--	--	--
6-14	37.0	73.5	86.7	94.0	97.5	98.2	99.0	99.7	99.7	100	--	--	--	--
6-15	36.2	64.5	80.5	86.7	92.7	95.0	97.2	98.2	99.2	99.7	100	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	33.0	60.0	78.5	89.2	96.5	98.5	99.2	100	--	--	--	--	--	--
6-18	26.5	55.0	71.5	82.7	91.2	96.0	98.0	99.2	100	--	--	--	--	--
6-19	35.2	60.5	82.7	91.0	94.7	97.5	98.5	99.0	99.5	100	--	--	--	--
6-20	33.2	64.2	84.2	95.0	98.5	99.7	100	--	--	--	--	--	--	--
6-21	12.2	33.5	54.2	73.5	85.2	91.7	96.2	97.7	99.2	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	30.0	61.5	82.0	92.2	94.7	97.0	98.5	99.2	99.7	100	--	--	--	--
6-25	30.0	56.0	73.7	83.2	90.2	94.0	96.2	98.7	99.5	100	--	--	--	--
6-27	26.7	59.0	78.0	87.7	94.2	97.5	99.5	99.5	100	--	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 181.- SUMMARY OF GRAIN-SIZE DISTRIBUTION DATA, SECTION 1830, EAST FORK RIVER, WYOMING, 1980

DATE	PERCENT FINER, BY NUMBER OF PARTICLES, AT GIVEN DIAMETER IN MILLIMETERS													
	0.59	0.70	0.84	1.00	1.18	1.41	1.68	2.00	2.82	4.00	5.65	8.00	10.3	16.0
5-14	29.5	58.7	75.0	86.0	92.2	95.0	97.2	99.0	100	--	--	--	--	--
5-16	29.7	57.7	72.2	82.5	89.2	90.7	94.5	96.5	99.2	99.5	99.5	100	--	--
5-19	37.2	64.0	78.7	90.5	95.0	97.7	99.5	99.5	99.7	100	--	--	--	--
5-21	46.0	70.5	87.2	94.7	98.2	99.0	99.7	99.7	100	--	--	--	--	--
5-22	30.7	60.0	79.2	89.5	95.2	97.2	97.7	98.2	99.7	100	--	--	--	--
5-24	11.0	30.0	52.5	68.0	79.7	87.5	91.7	95.2	98.7	99.5	100	--	--	--
5-26(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-27	35.7	66.5	84.0	89.5	95.2	98.5	99.5	99.7	100	--	--	--	--	--
5-28	41.7	71.0	85.5	93.2	96.7	98.2	99.2	99.2	100	--	--	--	--	--
5-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-30	31.7	53.5	71.0	83.0	89.2	92.7	95.0	96.7	99.7	100	--	--	--	--
6- 1	48.7	71.7	85.5	93.0	96.5	99.0	100	--	--	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6- 5	29.0	59.0	76.2	88.5	93.5	96.2	97.7	99.2	99.7	100	--	--	--	--
6- 7	41.2	75.0	87.2	94.7	97.5	99.2	99.5	99.5	100	--	--	--	--	--
6- 9	46.0	80.7	93.5	97.2	99.0	99.5	99.5	99.5	100	--	--	--	--	--
6-10	37.0	67.7	83.2	91.2	96.0	98.7	99.7	100	--	--	--	--	--	--
6-11	22.2	44.7	68.5	81.5	88.7	94.0	96.2	97.7	99.7	99.7	100	--	--	--
6-12	27.2	54.7	70.0	84.0	89.7	93.7	97.2	98.5	99.5	99.7	100	--	--	--
6-13	31.2	65.2	84.0	90.7	95.2	97.2	98.7	99.7	100	--	--	--	--	--
6-14	34.5	68.2	83.2	90.5	94.0	97.0	97.7	98.5	99.5	100	--	--	--	--
6-15	31.0	59.2	78.0	88.2	94.5	97.2	98.2	98.5	99.5	100	--	--	--	--
6-16(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-17	27.2	61.2	78.0	88.2	93.5	96.0	97.7	99.0	99.7	100	--	--	--	--
6-18	30.2	62.5	78.5	88.0	93.2	95.5	99.0	99.2	100	--	--	--	--	--
6-19	22.2	47.5	72.2	87.5	93.7	97.2	98.2	99.0	100	--	--	--	--	--
6-20	24.5	49.0	70.5	83.2	90.5	94.5	97.7	99.5	100	--	--	--	--	--
6-21	22.0	46.7	66.2	82.0	90.7	97.0	99.0	99.0	99.5	100	--	--	--	--
6-22(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6-23	24.0	55.5	75.7	88.5	94.2	96.5	98.5	99.0	99.7	100	--	--	--	--
6-25	28.0	53.0	72.0	83.2	88.2	92.5	96.0	97.7	99.7	100	--	--	--	--
6-27	33.7	67.7	82.0	91.5	96.0	97.7	98.5	99.0	99.7	100	--	--	--	--
6-29(1)	--	--	--	--	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 182.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0043, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.47	0.54	0.58	0.61	0.66	0.73	0.81	0.91	1.00	1.18
5-16	.44	.52	.56	.60	.67	.74	.81	.91	1.01	1.15
5-19	.44	.53	.58	.63	.70	.82	.92	1.06	1.21	1.58
5-21	.53	.60	.63	.67	.73	.81	.89	.98	1.08	1.26
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.49	.55	.59	.63	.68	.76	.84	.97	1.07	1.20
5-27	.46	.54	.59	.63	.70	.79	.90	1.08	1.26	1.68
5-28	.42	.51	.56	.60	.67	.76	.83	.94	1.09	1.28
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.51	.59	.63	.67	.73	.82	.90	1.01	1.13	1.27
6- 1	.46	.52	.55	.58	.63	.67	.71	.79	.86	.95
6- 3(2)	—	—	—	—	—	—	—	—	—	—
6- 5(2)	—	—	—	—	—	—	—	—	—	—
6- 7	.46	.54	.59	.64	.71	.81	.92	1.08	1.25	1.49
6- 9	.45	.53	.58	.62	.69	.79	.88	.97	1.08	1.33
6-10	.43	.51	.55	.59	.65	.71	.80	.89	.97	1.19
6-11	.51	.59	.64	.68	.76	.86	.96	1.09	1.23	1.41
6-12	.49	.58	.63	.67	.75	.86	.99	1.17	1.38	1.68
6-13	.46	.55	.61	.67	.77	.95	1.14	1.37	1.55	1.79
6-14	.45	.53	.58	.63	.69	.80	.89	1.02	1.21	1.45
6-15	.46	.53	.57	.61	.67	.74	.83	.98	1.10	1.43
6-16(1)	—	—	—	—	—	—	—	—	—	—
6-17	.47	.55	.59	.63	.68	.76	.85	.96	1.10	1.32
6-18	.44	.51	.54	.57	.62	.67	.71	.78	.85	.97
6-19	.47	.54	.59	.63	.68	.76	.83	.98	1.10	1.34
6-20	.46	.54	.58	.62	.68	.79	.90	1.07	1.24	1.58
6-21	.51	.59	.63	.67	.74	.86	.97	1.14	1.31	1.59
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.45	.53	.57	.62	.68	.76	.83	.95	1.06	1.22
6-25	.45	.56	.63	.69	.84	.97	1.11	1.31	1.57	1.95
6-27	.48	.57	.61	.65	.72	.84	.96	1.12	1.29	1.62
6-29(1)	—	—	—	—	—	—	—	—	—	—

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.55	0.65	0.70	0.79	0.92	1.09	1.24	1.40	1.59	2.38
5-16	.53	.64	.71	.79	.92	1.07	1.20	1.43	1.60	1.72
5-19	.61	.81	.96	1.12	1.49	1.96	2.33	2.43	2.48	2.55
5-21	.62	.71	.79	.88	1.01	1.19	1.60	1.76	1.84	1.96
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.60	.73	.86	1.02	1.30	3.37	3.43	3.51	3.57	3.65
5-27	.61	.77	.94	1.11	1.47	1.79	1.98	2.09	2.17	2.29
5-28	.54	.68	.76	.85	1.04	1.27	1.40	1.74	1.89	2.03
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.60	.71	.78	.86	.99	1.15	1.25	1.35	1.43	1.53
6- 1	.51	.59	.64	.68	.77	.89	1.01	1.40	2.01	2.08
6- 3(2)	—	—	—	—	—	—	—	—	—	—
6- 5(2)	—	—	—	—	—	—	—	—	—	—
6- 7	.64	.84	1.03	1.26	1.67	3.37	3.43	3.51	3.57	3.65
6- 9	.57	.71	.83	.93	1.10	1.47	1.74	2.02	2.20	2.86
6-10	.53	.65	.73	.84	.98	1.35	1.60	2.05	2.40	2.48
6-11	.64	.79	.90	1.02	1.23	1.51	1.80	2.06	2.34	2.79
6-12	.65	.83	.99	1.16	1.45	1.81	2.08	2.24	2.38	2.47
6-13	.67	.97	1.19	1.37	1.58	1.80	1.98	2.21	2.45	3.37
6-14	.59	.75	.88	1.01	1.30	1.61	1.89	2.61	2.87	2.97
6-15	.59	.74	.90	1.09	1.55	2.13	2.48	3.42	3.49	3.59
6-16(1)	—	—	—	—	—	—	—	—	—	—
6-17	.59	.72	.85	.99	1.31	1.91	2.39	2.53	2.66	2.84
6-18	.49	.57	.62	.66	.74	.85	.96	1.09	1.25	1.53
6-19	.57	.69	.78	.90	1.10	1.41	1.63	1.92	2.38	2.47
6-20	.59	.74	.90	1.06	1.34	1.64	1.80	1.98	2.11	2.27
6-21	.65	.83	.97	1.15	1.43	1.79	2.14	2.45	2.58	2.77
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.55	.67	.75	.85	1.01	1.19	1.35	1.61	2.12	2.89
6-25	.75	1.03	1.25	1.53	1.93	2.49	2.74	3.07	3.37	3.49
6-27	.62	.79	.94	1.09	1.33	1.69	1.84	2.06	2.40	2.48
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 183.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0075, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.47	0.55	0.60	0.65	0.72	0.83	0.94	1.11	1.31	1.65
5-16	.45	.53	.57	.61	.67	.75	.83	.96	1.11	1.33
5-19	.45	.54	.59	.63	.70	.81	.94	1.09	1.23	1.53
5-21	.49	.56	.60	.64	.69	.77	.85	.93	1.02	1.16
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.48	.54	.57	.60	.64	.68	.72	.78	.83	.93
5-27	.44	.52	.57	.62	.68	.80	.97	1.15	1.41	1.86
5-28	.43	.52	.57	.62	.69	.80	.91	1.10	1.31	1.59
5-29	.52	.59	.62	.66	.71	.79	.86	.96	1.04	1.14
5-30	.49	.56	.59	.62	.67	.73	.79	.87	.95	1.06
6- 1	.41	.50	.56	.61	.69	.79	.91	1.15	1.49	1.96
6- 3	.50	.57	.60	.64	.69	.79	.88	1.04	1.29	1.71
6- 5	.45	.55	.61	.66	.75	.84	.94	1.11	1.26	1.42
6- 7	.48	.56	.60	.65	.71	.79	.87	.97	1.10	1.34
6- 9	.46	.54	.59	.63	.69	.80	.91	1.07	1.28	1.70
6-10	.46	.55	.61	.66	.74	.85	.99	1.22	1.39	1.81
6-11	.41	.49	.55	.60	.67	.77	.86	1.06	1.28	1.62
6-12	.42	.52	.57	.62	.70	.83	.95	1.21	1.40	1.80
6-13	.45	.53	.57	.61	.67	.74	.82	.95	1.09	1.48
6-14	.45	.54	.59	.63	.70	.79	.90	1.06	1.24	1.71
6-15	.43	.51	.56	.61	.68	.78	.87	1.01	1.16	1.41
6-16(1)	—	—	—	—	—	—	—	—	—	—
6-17	.44	.52	.57	.61	.68	.77	.85	.98	1.18	1.54
6-18	.45	.53	.58	.62	.69	.77	.84	.96	1.10	1.32
6-19	.43	.51	.55	.59	.65	.72	.79	.90	1.02	1.14
6-20	.47	.54	.58	.62	.67	.76	.85	.98	1.11	1.30
6-21	.52	.60	.64	.68	.76	.85	.94	1.07	1.22	1.40
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.44	.52	.58	.62	.70	.83	.97	1.21	1.50	1.94
6-25	.44	.51	.55	.59	.65	.72	.82	1.00	1.14	1.47
6-27	.41	.49	.54	.58	.64	.72	.80	.91	1.05	1.32
6-29(1)	—	—	—	—	—	—	—	—	—	—

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.64	0.85	1.02	1.25	1.65	2.09	2.41	2.90	3.13	3.40
5-16	.57	.71	.83	.98	1.29	1.81	2.24	2.49	2.65	2.84
5-19	.60	.78	.94	1.09	1.34	1.71	1.92	2.27	2.52	2.80
5-21	.60	.73	.85	.97	1.35	2.95	3.27	3.43	3.50	3.60
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.53	.60	.64	.67	.73	.81	.90	1.08	1.25	1.38
5-27	.64	.97	1.19	1.50	2.00	2.50	2.76	3.43	3.50	3.60
5-28	.60	.80	.95	1.20	1.46	1.76	2.03	2.28	2.50	2.78
5-29	.59	.68	.73	.80	.90	1.01	1.09	1.17	1.23	1.29
5-30	.55	.63	.68	.73	.83	.94	1.03	1.14	1.26	1.47
6- 1	.65	.98	1.33	1.66	2.08	2.46	2.68	2.91	3.10	3.35
6- 3	.64	.84	1.08	1.47	1.92	2.46	3.02	3.34	3.44	3.55
6- 5	.60	.75	.84	.95	1.19	1.33	1.43	1.51	1.59	2.01
6- 7	.60	.73	.82	.93	1.18	1.57	2.05	2.40	2.59	2.85
6- 9	.63	.85	1.05	1.34	1.77	2.25	2.70	3.37	3.45	3.55
6-10	.66	.91	1.15	1.35	1.77	2.17	2.48	2.75	2.88	2.97
6-11	.58	.79	.99	1.24	1.58	1.94	2.21	2.57	2.85	2.95
6-12	.64	.90	1.18	1.38	1.76	2.19	2.62	2.97	3.15	3.39
6-13	.57	.71	.83	1.01	1.45	1.74	1.92	2.94	3.29	3.47
6-14	.62	.80	.98	1.17	1.64	2.05	2.37	2.97	3.20	3.43
6-15	.58	.75	.89	1.07	1.38	1.95	2.21	2.45	2.61	2.82
6-16(1)	—	—	—	—	—	—	—	—	—	—
6-17	.60	.78	.94	1.21	1.66	2.33	2.83	2.90	2.96	3.04
6-18	.57	.70	.79	.91	1.14	1.41	1.71	2.03	2.21	2.86
6-19	.52	.64	.71	.80	.98	1.14	1.46	1.75	1.98	2.36
6-20	.56	.67	.75	.87	1.04	1.23	1.39	1.56	1.69	1.75
6-21	.64	.78	.88	1.00	1.23	1.47	1.79	2.26	2.53	2.81
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.64	.93	1.20	1.47	1.85	2.20	2.48	2.83	3.06	3.38
6-25	.55	.69	.84	1.04	1.33	1.75	2.13	2.76	2.89	2.98
6-27	.53	.68	.79	.94	1.25	1.71	2.00	2.21	3.37	3.49
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 184.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0137, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.50	0.59	0.65	0.70	0.82	0.98	1.14	1.36	1.53	1.78
5-16	.44	.52	.56	.61	.67	.74	.80	.89	.99	1.15
5-19	.41	.48	.51	.55	.60	.66	.70	.78	.86	.97
5-21	.43	.51	.55	.60	.66	.73	.80	.89	.97	1.10
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.53	.62	.67	.73	.84	.98	1.09	1.26	1.53	1.85
5-27	.52	.62	.68	.74	.85	.95	1.04	1.21	1.41	1.71
5-28	.46	.54	.59	.64	.71	.83	.97	1.14	1.32	1.59
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.45	.54	.60	.65	.73	.83	.94	1.11	1.31	1.68
6- 1	.47	.54	.58	.62	.68	.77	.86	.95	1.07	1.33
6- 3	.45	.54	.59	.63	.70	.80	.89	1.04	1.16	1.33
6- 5	.42	.49	.53	.57	.63	.70	.76	.84	.89	.97
6- 7	.46	.54	.58	.61	.67	.74	.81	.93	1.06	1.24
6- 9	.41	.49	.53	.57	.62	.69	.75	.83	.92	1.07
6-10	.47	.55	.60	.64	.71	.79	.86	.94	1.05	1.28
6-11	.46	.54	.58	.62	.69	.77	.85	.98	1.11	1.39
6-12	.47	.55	.59	.63	.69	.77	.86	.98	1.13	1.36
6-13	.47	.56	.62	.67	.76	.89	1.03	1.28	1.60	2.14
6-14	.47	.56	.61	.67	.75	.84	.97	1.16	1.37	1.57
6-15	.43	.54	.59	.65	.75	.90	1.05	1.25	1.47	1.91
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.47	.55	.60	.64	.71	.83	.95	1.10	1.26	1.53
6-18	.47	.55	.59	.63	.69	.77	.84	.98	1.19	1.46
6-19	.50	.58	.62	.66	.73	.85	.97	1.13	1.32	1.68
6-20	.50	.58	.62	.66	.73	.81	.91	1.04	1.21	1.47
6-21	.48	.56	.60	.65	.71	.81	.91	1.06	1.19	1.34
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.49	.57	.62	.67	.74	.86	.99	1.26	1.52	1.89
6-25	.51	.61	.67	.74	.88	1.06	1.24	1.47	1.67	1.94
6-27	.45	.53	.58	.63	.70	.82	.91	1.03	1.20	1.55
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.70	0.95	1.13	1.31	1.53	1.76	2.00	2.21	2.39	2.47
5-16	.55	.68	.76	.85	1.06	1.54	2.14	2.48	2.68	2.88
5-19	.50	.64	.73	.88	1.77	2.51	3.40	3.48	3.54	3.63
5-21	.52	.64	.71	.79	.91	1.08	1.30	1.69	2.03	2.10
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.70	.93	1.06	1.21	1.59	1.84	2.00	2.12	2.23	2.38
5-27	.70	.90	1.00	1.17	1.48	1.82	2.09	2.36	2.57	3.38
5-28	.62	.82	1.00	1.17	1.45	1.78	2.12	2.40	2.45	2.53
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.63	.82	.97	1.17	1.50	1.88	2.12	2.39	2.55	2.77
6- 1	.58	.70	.82	.93	1.17	1.57	2.09	2.35	2.43	2.51
6- 3	.57	.70	.79	.90	1.08	1.24	1.37	1.49	1.60	1.78
6- 5	.48	.58	.64	.69	.78	.87	.92	.99	1.06	1.16
6- 7	.57	.69	.79	.93	1.16	1.78	2.44	2.58	2.70	2.86
6- 9	.49	.61	.68	.76	.91	1.14	1.50	1.96	3.44	3.54
6-10	.59	.72	.81	.90	1.10	1.45	1.97	2.41	2.47	2.54
6-11	.57	.70	.79	.91	1.11	1.44	1.71	1.88	2.04	2.28
6-12	.58	.69	.79	.91	1.12	1.37	1.55	2.04	2.16	2.32
6-13	.70	1.02	1.31	1.69	2.12	2.56	2.88	3.15	3.38	3.50
6-14	.65	.82	1.01	1.20	1.48	1.75	2.39	2.62	2.83	2.93
6-15	.68	1.00	1.22	1.45	1.90	2.42	2.74	2.97	3.12	3.34
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.61	.78	.93	1.08	1.33	1.61	1.85	2.12	2.34	2.78
6-18	.60	.74	.85	1.03	1.37	1.69	1.98	2.60	2.87	2.97
6-19	.64	.81	.96	1.12	1.43	1.75	1.91	2.11	2.30	2.71
6-20	.62	.75	.85	.99	1.24	1.57	1.87	2.06	2.16	2.29
6-21	.61	.75	.87	1.02	1.22	1.41	1.83	2.23	2.88	2.97
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.68	.95	1.24	1.50	1.85	2.32	2.54	2.77	3.00	3.34
6-25	.76	1.07	1.27	1.47	1.71	1.98	2.24	2.59	2.90	3.24
6-27	.61	.81	.95	1.14	1.56	2.04	2.42	2.74	3.09	3.43
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 185.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0178, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.44	0.54	0.59	0.64	0.72	0.80	0.88	1.00	1.15	1.53
5-16	.44	.54	.59	.64	.72	.81	.97	1.26	1.50	1.90
5-19	.42	.48	.52	.55	.60	.65	.70	.77	.84	.93
5-21	.47	.53	.56	.59	.64	.69	.73	.80	.87	.98
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.53	.62	.67	.72	.84	1.01	1.16	1.43	1.66	2.41
5-27	.46	.55	.61	.66	.75	.88	1.00	1.22	1.37	1.62
5-28	.48	.55	.59	.62	.67	.75	.83	.95	1.17	1.47
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.51	.59	.63	.67	.75	.86	.99	1.20	1.52	1.94
6- 1	.48	.58	.64	.69	.81	.99	1.21	1.46	1.67	2.06
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5	.42	.51	.56	.60	.67	.76	.83	.94	1.08	1.31
6- 7	.49	.58	.63	.67	.75	.83	.90	.98	1.05	1.16
6- 9	.47	.54	.58	.61	.67	.73	.79	.88	.99	1.16
6-10	.50	.58	.62	.67	.74	.85	.96	1.11	1.27	1.55
6-11	.42	.53	.60	.67	.76	.86	.97	1.14	1.33	1.62
6-12	.45	.53	.59	.64	.71	.81	.92	1.16	1.41	1.71
6-13	.44	.51	.55	.59	.64	.70	.77	.87	.99	1.11
6-14	.46	.54	.59	.64	.70	.81	.90	1.04	1.27	1.56
6-15	.43	.52	.57	.62	.70	.79	.88	1.05	1.24	1.50
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.45	.54	.58	.63	.69	.80	.90	1.02	1.15	1.43
6-18	.43	.51	.55	.60	.66	.73	.79	.88	.98	1.12
6-19	.46	.54	.58	.62	.68	.77	.85	.97	1.10	1.37
6-20	.47	.55	.60	.64	.70	.80	.90	1.03	1.14	1.33
6-21	.48	.58	.63	.69	.77	.88	.98	1.17	1.34	1.57
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.45	.56	.61	.67	.77	.90	1.04	1.24	1.46	1.80
6-25	.43	.52	.57	.62	.69	.78	.86	.98	1.10	1.27
6-27	.47	.54	.59	.63	.69	.78	.89	1.08	1.31	1.61
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.60	0.76	0.86	1.00	1.38	1.77	2.06	2.45	2.72	3.46
5-16	.70	1.14	1.43	1.75	2.84	3.04	3.19	3.37	3.45	3.56
5-19	.47	.56	.61	.66	.75	.88	.98	1.46	2.02	2.09
5-21	.56	.67	.77	.93	2.19	3.09	3.37	3.45	3.52	3.61
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.77	1.11	1.39	1.63	2.28	2.63	2.94	3.40	3.48	3.58
5-27	.64	.84	1.00	1.20	1.40	1.66	1.92	2.11	2.25	2.41
5-28	.59	.72	.85	1.01	1.40	1.81	2.07	2.36	2.57	2.84
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.69	.96	1.24	1.58	1.98	2.42	2.69	3.09	3.40	3.51
6- 1	.74	1.09	1.34	1.54	1.85	2.16	2.38	2.65	2.90	3.24
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5	.54	.67	.76	.85	1.02	1.27	1.43	1.55	1.67	2.04
6- 7	.59	.71	.78	.85	.94	1.04	1.13	1.25	1.38	1.54
6- 9	.56	.67	.74	.83	1.03	1.42	1.67	2.24	3.40	3.51
6-10	.66	.85	1.03	1.22	1.63	2.83	2.95	3.10	3.23	3.40
6-11	.65	.85	1.02	1.21	1.55	1.90	2.45	3.37	3.45	3.55
6-12	.63	.84	1.09	1.36	1.66	2.05	2.31	2.63	2.97	3.40
6-13	.52	.63	.70	.79	.96	1.14	1.35	1.92	3.42	3.53
6-14	.61	.78	.91	1.09	1.45	1.70	1.94	2.79	3.17	3.45
6-15	.59	.76	.89	1.08	1.36	1.62	1.82	2.56	2.87	2.96
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.58	.73	.85	.98	1.18	1.52	1.78	2.05	2.20	2.85
6-18	.52	.64	.71	.79	.92	1.10	1.30	1.62	1.90	2.91
6-19	.58	.71	.83	.97	1.25	1.66	1.99	2.33	2.76	3.47
6-20	.61	.76	.88	1.02	1.24	1.66	2.49	2.87	2.94	3.02
6-21	.65	.82	.94	1.09	1.33	1.56	1.76	2.02	2.12	2.26
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.69	.95	1.16	1.39	1.76	2.15	2.62	3.17	3.41	3.52
6-25	.54	.68	.77	.85	1.01	1.19	1.31	1.49	1.70	1.75
6-27	.61	.79	.98	1.21	1.53	1.91	2.20	2.48	2.69	3.43
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 186.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0220, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.42	0.52	0.57	0.63	0.71	0.82	0.96	1.21	1.50	2.31
5-16	.49	.56	.60	.63	.68	.76	.85	.95	1.07	1.30
5-19	.44	.52	.56	.60	.67	.74	.82	.91	1.02	1.31
5-21	.49	.55	.58	.62	.66	.72	.80	.89	.97	1.09
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.52	.60	.65	.69	.79	.95	1.11	1.30	1.50	1.89
5-27	.45	.54	.59	.64	.71	.80	.87	.97	1.13	1.31
5-28	.43	.51	.56	.61	.68	.78	.87	1.01	1.13	1.37
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.50	.60	.65	.71	.80	.93	1.06	1.26	1.57	2.07
6- 1	.47	.56	.62	.67	.77	.91	1.06	1.30	1.57	1.91
6- 3	.46	.53	.57	.60	.66	.72	.82	.92	1.01	1.19
6- 5	.45	.52	.56	.60	.65	.71	.76	.83	.91	1.04
6- 7	.52	.62	.67	.72	.81	.91	.99	1.12	1.25	1.41
6- 9	.51	.59	.63	.67	.74	.83	.92	1.07	1.25	1.50
6-10	.49	.57	.61	.64	.70	.79	.87	1.00	1.13	1.41
6-11	.47	.56	.61	.66	.73	.83	.95	1.13	1.32	1.61
6-12	.43	.52	.58	.63	.70	.84	.99	1.25	1.49	2.03
6-13	.45	.53	.57	.62	.68	.78	.89	1.05	1.21	1.50
6-14	.44	.52	.57	.62	.68	.77	.85	1.04	1.22	1.48
6-15	.46	.53	.57	.60	.65	.71	.78	.88	.98	1.22
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.45	.52	.57	.61	.67	.75	.83	.95	1.09	1.29
6-18	.46	.53	.57	.60	.66	.72	.80	.90	1.00	1.19
6-19	.50	.59	.64	.69	.79	.95	1.11	1.33	1.51	1.75
6-20	.49	.58	.63	.67	.76	.88	1.00	1.16	1.31	1.62
6-21	.49	.59	.64	.69	.78	.90	1.02	1.17	1.31	1.51
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.51	.58	.62	.66	.72	.81	.90	1.02	1.17	1.37
6-25	.44	.55	.61	.67	.76	.87	.99	1.15	1.33	1.74
6-27	.45	.53	.57	.61	.68	.78	.89	1.04	1.18	1.38
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.72	1.18	1.60	2.15	2.86	3.00	3.11	3.23	3.35	3.47
5-16	.59	.69	.79	.91	1.11	1.45	1.73	2.38	2.44	2.51
5-19	.56	.70	.81	.95	1.34	2.00	2.41	2.46	2.51	2.57
5-21	.55	.63	.68	.74	.86	.97	1.07	1.20	1.35	1.51
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.69	.94	1.13	1.31	1.57	2.01	2.13	2.27	2.39	2.47
5-27	.57	.70	.78	.86	.99	1.24	1.35	1.50	1.64	2.03
5-28	.57	.72	.85	.99	1.21	1.71	1.90	2.17	2.45	2.85
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.73	.99	1.22	1.57	2.02	2.47	2.88	3.38	3.46	3.57
6- 1	.70	1.00	1.25	1.52	1.86	2.39	2.67	3.07	3.39	3.51
6- 3	.54	.64	.70	.80	.93	1.10	1.25	1.43	1.53	1.67
6- 5	.52	.61	.66	.72	.81	.93	1.06	1.28	1.43	1.48
6- 7	.66	.80	.89	.98	1.14	1.32	1.47	1.68	2.03	2.37
6- 9	.63	.76	.86	1.00	1.25	1.50	1.69	1.96	2.10	2.26
6-10	.60	.73	.83	.98	1.21	1.59	1.90	2.38	2.58	2.84
6-11	.63	.80	.96	1.14	1.43	1.72	1.91	2.18	2.49	3.43
6-12	.65	.95	1.23	1.44	1.89	2.26	2.56	2.85	2.92	3.00
6-13	.60	.80	.99	1.18	1.53	2.39	2.64	3.40	3.47	3.57
6-14	.58	.72	.84	1.04	1.29	1.55	1.75	1.98	2.16	2.84
6-15	.56	.67	.76	.89	1.20	1.78	2.19	3.07	3.38	3.50
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.56	.68	.78	.89	1.11	1.36	1.61	1.84	3.38	3.50
6-18	.55	.66	.73	.84	1.02	1.43	1.62	1.87	3.40	3.52
6-19	.69	.95	1.15	1.34	1.58	1.85	2.11	2.68	3.03	3.36
6-20	.65	.84	.98	1.14	1.38	1.75	1.97	2.31	2.59	3.42
6-21	.65	.81	.94	1.06	1.25	1.45	1.62	1.99	2.11	2.25
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.62	.73	.83	.94	1.15	1.39	1.72	1.97	2.04	2.11
6-25	.65	.86	1.02	1.20	1.58	1.94	2.31	2.43	2.48	2.55
6-27	.57	.71	.86	1.00	1.20	1.46	1.75	1.93	2.09	2.28
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 187.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0257, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.44	0.52	0.56	0.61	0.67	0.75	0.83	0.97	1.15	1.51
5-16	.40	.48	.52	.57	.63	.70	.77	.86	1.03	1.29
5-19	.48	.56	.60	.64	.71	.79	.86	.96	1.09	1.28
5-21	.54	.61	.65	.69	.77	.86	.95	1.05	1.15	1.32
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.48	.55	.58	.61	.66	.71	.77	.84	.92	1.05
5-27	.50	.58	.63	.67	.75	.84	.96	1.12	1.25	1.39
5-28	.46	.54	.59	.63	.70	.79	.89	1.04	1.15	1.37
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.60	.69	.75	.81	.92	1.05	1.17	1.36	1.54	1.79
6- 1	.45	.53	.57	.61	.67	.74	.81	.90	.99	1.15
6- 3	.47	.56	.60	.65	.73	.84	.94	1.06	1.16	1.43
6- 5	.48	.56	.60	.64	.70	.78	.86	.97	1.12	1.29
6- 7	.48	.56	.60	.65	.71	.80	.88	.99	1.09	1.24
6- 9	.47	.57	.62	.67	.76	.87	.98	1.21	1.40	1.62
6-10	.47	.56	.61	.67	.75	.86	.95	1.11	1.32	1.72
6-11	.42	.51	.55	.60	.67	.76	.86	1.09	1.35	1.75
6-12	.44	.51	.55	.59	.64	.70	.78	.89	1.00	1.22
6-13	.41	.49	.53	.58	.64	.71	.80	.94	1.14	1.49
6-14	.44	.51	.56	.60	.66	.74	.82	.95	1.12	1.44
6-15	.50	.59	.64	.69	.78	.90	1.02	1.16	1.34	1.62
6-16	.50	.57	.62	.66	.73	.81	.89	.99	1.21	1.43
6-17	.49	.58	.63	.68	.77	.89	.99	1.17	1.37	1.66
6-18	.48	.56	.60	.64	.70	.78	.85	.97	1.14	1.35
6-19	.48	.56	.60	.65	.71	.79	.87	.98	1.09	1.35
6-20	.47	.55	.60	.65	.71	.79	.87	1.03	1.17	1.48
6-21	.51	.60	.65	.70	.80	.93	1.08	1.28	1.47	1.95
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23(2)	—	—	—	—	—	—	—	—	—	—
6-25	.49	.56	.61	.65	.71	.81	.93	1.10	1.33	1.69
6-27	.47	.56	.61	.66	.73	.86	1.04	1.33	1.61	1.94
6-29(1)	—	—	—	—	—	—	—	—	—	—

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.58	0.73	0.87	1.09	1.50	1.85	2.22	2.88	2.94	3.02
5-16	.50	.63	.72	.82	1.08	1.36	1.58	1.77	1.91	2.04
5-19	.58	.69	.77	.85	.99	1.20	1.34	1.50	1.65	2.03
5-21	.63	.75	.84	.93	1.07	1.23	1.40	1.70	1.80	1.93
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.55	.64	.69	.76	.88	1.07	1.48	1.66	1.92	2.91
5-27	.63	.77	.88	1.02	1.23	1.39	1.72	2.00	2.05	2.11
5-28	.58	.72	.83	.98	1.15	1.43	1.65	2.00	2.31	2.45
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.77	.98	1.11	1.27	1.54	1.81	2.08	2.54	2.76	3.26
6- 1	.54	.65	.71	.79	.91	1.08	1.23	1.41	1.87	2.05
6- 3	.61	.76	.88	1.00	1.16	1.46	1.66	1.96	2.28	3.46
6- 5	.58	.69	.77	.86	1.01	1.22	1.34	1.52	1.69	1.75
6- 7	.59	.72	.81	.92	1.08	1.36	1.63	2.37	2.90	2.99
6- 9	.66	.87	1.03	1.27	1.52	1.94	2.23	2.69	3.43	3.54
6-10	.65	.83	.97	1.17	1.54	1.93	2.25	2.59	2.89	3.37
6-11	.60	.83	1.12	1.41	1.79	2.22	2.56	2.92	3.15	3.41
6-12	.53	.65	.72	.83	1.04	1.36	1.64	1.99	2.14	2.35
6-13	.53	.69	.82	1.01	1.37	1.73	1.98	2.33	2.54	2.80
6-14	.58	.74	.89	1.13	1.60	2.38	2.52	2.69	2.87	3.31
6-15	.66	.85	.99	1.13	1.39	1.70	2.11	2.35	2.50	2.67
6-16	.61	.73	.83	.93	1.18	1.42	1.55	1.71	1.94	2.45
6-17	.66	.86	1.00	1.19	1.48	1.82	2.12	2.42	2.56	2.75
6-18	.59	.70	.79	.89	1.11	1.34	1.51	1.73	1.95	2.45
6-19	.59	.72	.81	.91	1.10	1.46	1.73	1.99	2.21	2.42
6-20	.60	.74	.83	1.01	1.27	1.57	1.78	2.04	2.28	3.45
6-21	.72	1.00	1.24	1.45	2.04	2.54	2.85	3.00	3.13	3.30
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23(2)	—	—	—	—	—	—	—	—	—	—
6-25	.62	.78	.94	1.12	1.48	1.73	1.86	2.01	2.18	2.40
6-27	.69	1.05	1.36	1.63	1.95	2.46	2.80	3.37	3.45	3.56
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 18B.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0301, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.40	0.49	0.54	0.58	0.65	0.74	0.83	0.97	1.11	1.31
5-16	.44	.50	.54	.58	.63	.68	.74	.82	.93	1.10
5-19	.47	.55	.60	.64	.70	.79	.87	.97	1.10	1.30
5-21	.51	.59	.63	.67	.74	.81	.91	1.05	1.22	1.49
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.46	.54	.58	.63	.69	.77	.85	1.07	1.28	1.53
5-27	.49	.57	.62	.66	.74	.87	.99	1.15	1.37	1.82
5-28	.53	.67	.75	.82	.95	1.10	1.25	1.45	1.63	1.85
5-29	.48	.57	.63	.68	.78	.93	1.07	1.25	1.44	1.66
5-30	.51	.58	.62	.65	.71	.81	.92	1.10	1.31	1.68
6- 1	.48	.56	.62	.66	.74	.84	.92	1.02	1.12	1.30
6- 3	.49	.55	.59	.63	.68	.76	.85	.97	1.15	1.43
6- 5	.47	.54	.58	.61	.67	.73	.82	.91	1.00	1.12
6- 7	.53	.60	.64	.68	.74	.83	.92	1.08	1.26	1.52
6- 9	.48	.56	.60	.64	.70	.81	.90	1.00	1.12	1.37
6-10	.48	.56	.60	.65	.71	.81	.91	1.07	1.25	1.53
6-11	.42	.50	.55	.59	.65	.72	.80	.90	1.00	1.19
6-12	.44	.51	.55	.59	.65	.71	.78	.89	1.04	1.30
6-13	.41	.49	.53	.58	.64	.70	.78	.88	.99	1.21
6-14	.48	.54	.58	.62	.67	.73	.80	.93	1.12	1.46
6-15	.46	.54	.59	.63	.70	.79	.87	1.00	1.14	1.35
6-16	.50	.60	.65	.70	.79	.89	.99	1.15	1.36	1.80
6-17	.49	.60	.66	.74	.87	1.03	1.22	1.48	1.65	2.02
6-18	.45	.52	.56	.60	.65	.71	.77	.84	.93	1.09
6-19	.48	.56	.61	.65	.72	.83	.96	1.13	1.30	1.57
6-20	.47	.56	.61	.65	.73	.86	.98	1.17	1.41	1.70
6-21	.48	.57	.63	.68	.78	.90	1.00	1.15	1.35	1.58
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.46	.53	.57	.61	.66	.73	.79	.87	.95	1.11
6-25	.45	.53	.58	.63	.70	.80	.90	1.04	1.23	1.57
6-27	.46	.54	.59	.63	.69	.77	.85	.94	1.04	1.22
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.56	0.74	0.90	1.11	1.46	2.20	3.14	3.42	3.50	3.59
5-16	.50	.60	.66	.72	.85	1.05	1.20	1.41	1.66	2.40
5-19	.58	.70	.78	.87	1.02	1.24	1.41	1.61	1.81	2.03
5-21	.63	.76	.84	.99	1.25	1.52	1.66	1.90	2.38	2.83
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.59	.74	.86	1.10	1.38	1.60	1.83	2.07	2.20	2.83
5-27	.67	.94	1.14	1.44	1.95	2.45	2.71	3.41	3.49	3.59
5-28	.79	1.02	1.16	1.33	1.56	1.77	1.94	2.15	2.37	2.61
5-29	.66	.89	1.06	1.21	1.45	1.67	1.86	2.13	2.41	2.70
5-30	.64	.81	1.00	1.22	1.62	1.98	2.24	2.63	3.03	3.41
6- 1	.60	.73	.82	.91	1.04	1.21	1.42	1.62	1.84	2.20
6- 3	.60	.74	.88	1.05	1.42	1.91	2.44	2.71	2.87	2.96
6- 5	.56	.66	.74	.85	1.00	1.21	1.66	2.86	2.92	3.01
6- 7	.64	.78	.89	1.05	1.33	1.68	1.93	2.21	2.55	3.44
6- 9	.61	.75	.87	.98	1.21	1.67	1.95	2.62	3.08	3.42
6-10	.61	.77	.90	1.07	1.34	1.67	1.86	2.16	2.45	2.71
6-11	.53	.67	.76	.87	1.09	1.58	1.91	2.55	2.86	2.96
6-12	.53	.66	.75	.87	1.16	1.49	1.77	2.00	2.43	2.75
6-13	.51	.64	.71	.82	1.02	1.32	1.71	1.86	2.01	2.18
6-14	.58	.70	.80	1.00	1.38	1.82	2.11	2.38	2.52	2.72
6-15	.59	.73	.84	.99	1.23	1.69	1.95	2.37	2.52	2.72
6-16	.68	.86	1.01	1.21	1.67	1.98	2.19	2.51	2.93	3.39
6-17	.75	1.03	1.26	1.47	1.67	2.02	2.21	2.44	2.71	3.21
6-18	.53	.64	.71	.79	.94	1.27	1.90	2.97	3.28	3.47
6-19	.63	.81	.97	1.14	1.40	1.74	2.04	2.33	2.55	2.84
6-20	.67	.96	1.21	1.49	2.16	2.73	3.10	3.40	3.47	3.58
6-21	.65	.84	.96	1.10	1.37	1.60	1.86	2.22	2.41	2.49
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.53	.64	.70	.77	.88	1.01	1.22	1.40	1.75	1.88
6-25	.61	.79	.94	1.14	1.51	2.10	2.38	2.49	2.59	2.72
6-27	.57	.68	.76	.85	.99	1.21	1.39	1.80	2.18	2.87
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 189.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0348, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.47	0.56	0.61	0.66	0.73	0.83	0.95	1.13	1.33	1.66
5-16	.49	.57	.62	.66	.73	.82	.90	1.05	1.26	1.57
5-19	.48	.57	.62	.66	.74	.85	.95	1.07	1.20	1.49
5-21	.52	.60	.64	.68	.76	.87	1.00	1.25	1.62	2.18
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.45	.52	.55	.59	.64	.69	.74	.81	.89	1.06
5-27	.60	.69	.74	.79	.88	1.01	1.11	1.25	1.38	1.59
5-28	.47	.57	.62	.67	.77	.99	1.19	1.41	1.67	1.96
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.51	.58	.63	.67	.73	.83	.91	1.01	1.10	1.25
6- 1	.49	.57	.62	.67	.74	.84	.96	1.14	1.43	1.77
6- 3	.47	.54	.58	.61	.67	.73	.80	.89	.98	1.13
6- 5	.45	.53	.57	.61	.67	.75	.81	.93	1.05	1.21
6- 7	.53	.60	.65	.69	.77	.88	.99	1.16	1.40	1.74
6- 9	.50	.57	.61	.65	.70	.81	.90	1.03	1.21	1.63
6-10	.46	.55	.60	.65	.74	.87	.98	1.17	1.34	1.78
6-11	.43	.52	.57	.61	.68	.78	.89	1.07	1.28	1.60
6-12	.42	.49	.53	.57	.62	.68	.75	.86	1.02	1.41
6-13	.45	.52	.56	.60	.65	.71	.76	.83	.93	1.13
6-14	.52	.60	.64	.68	.77	.88	.97	1.13	1.30	1.55
6-15	.49	.57	.62	.66	.73	.82	.90	1.00	1.11	1.27
6-16	.46	.55	.61	.66	.76	.92	1.06	1.23	1.44	1.80
6-17	.47	.56	.60	.65	.71	.84	.99	1.17	1.38	1.68
6-18	.47	.56	.61	.66	.74	.83	.91	1.01	1.17	1.38
6-19	.49	.57	.62	.66	.74	.85	.96	1.13	1.27	1.51
6-20	.49	.58	.63	.68	.78	.93	1.07	1.27	1.50	1.85
6-21	.45	.54	.60	.65	.74	.85	.98	1.13	1.27	1.49
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.45	.52	.56	.59	.65	.71	.78	.88	.99	1.18
6-25	.48	.57	.62	.67	.75	.87	.98	1.13	1.26	1.42
6-27	.44	.54	.59	.64	.73	.88	1.04	1.25	1.51	1.91
6-29	.48	.55	.60	.64	.69	.78	.86	1.00	1.15	1.40

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.63	0.81	0.97	1.16	1.46	1.83	2.07	2.24	2.39	2.47
5-16	.62	.76	.86	.99	1.30	1.60	1.76	1.89	2.01	2.08
5-19	.63	.79	.91	1.04	1.27	1.73	1.94	2.21	2.40	2.48
5-21	.70	.95	1.24	1.60	2.05	2.38	2.51	2.66	2.80	3.28
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.52	.62	.67	.74	.85	1.14	1.39	2.48	2.78	2.92
5-27	.74	.89	1.02	1.14	1.32	1.55	1.83	2.15	2.37	2.66
5-28	.70	1.09	1.29	1.50	1.79	2.08	2.37	2.78	2.89	2.98
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.61	.73	.82	.91	1.04	1.21	1.44	1.84	2.32	2.46
6- 1	.67	.88	1.08	1.40	1.76	2.21	2.81	2.89	2.96	3.03
6- 3	.54	.64	.70	.77	.89	1.03	1.18	1.40	1.55	1.79
6- 5	.55	.67	.75	.83	1.03	1.25	1.58	1.88	2.09	2.33
6- 7	.68	.90	1.08	1.33	1.71	2.17	2.52	3.14	3.42	3.53
6- 9	.62	.78	.91	1.08	1.51	1.82	2.05	2.26	2.86	2.95
6-10	.65	.88	1.05	1.26	1.70	2.00	2.48	2.80	2.89	2.98
6-11	.61	.84	1.07	1.32	1.75	2.84	3.09	3.37	3.45	3.56
6-12	.58	.81	1.24	2.39	2.76	3.43	3.48	3.55	3.61	3.69
6-13	.53	.63	.70	.76	.89	1.20	1.52	1.88	2.26	2.91
6-14	.67	.88	1.03	1.23	1.59	2.46	3.28	3.44	3.51	3.61
6-15	.60	.71	.79	.88	1.01	1.18	1.33	1.55	1.82	2.24
6-16	.68	.96	1.14	1.35	1.72	2.17	2.53	2.85	2.91	3.00
6-17	.63	.84	1.03	1.21	1.51	1.81	2.06	2.39	2.45	2.52
6-18	.60	.75	.84	.93	1.13	1.38	1.64	1.83	2.00	2.24
6-19	.64	.83	.98	1.18	1.39	1.95	2.18	3.38	3.46	3.56
6-20	.69	.98	1.18	1.41	1.77	2.36	2.68	2.87	2.93	3.02
6-21	.64	.84	1.01	1.18	1.40	2.03	2.47	2.60	2.72	3.41
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.54	.67	.75	.88	1.13	1.72	2.09	2.26	3.39	3.50
6-25	.61	.76	.88	.99	1.18	1.32	1.44	1.56	1.67	1.81
6-27	.67	.98	1.19	1.44	1.83	2.32	2.49	2.63	2.76	2.90
6-29	.60	.72	.83	.98	1.24	1.60	1.85	2.39	2.58	2.84

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 190.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0421, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.43	0.52	0.58	0.63	0.70	0.79	0.87	0.99	1.14	1.38
5-16	.48	.57	.63	.68	.76	.85	.95	1.13	1.32	1.61
5-19	.48	.56	.61	.66	.73	.82	.91	1.06	1.23	1.47
5-21	.45	.54	.59	.64	.71	.78	.84	.92	1.00	1.15
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.55	.62	.66	.69	.77	.88	.99	1.10	1.20	1.36
5-27	.58	.66	.71	.78	.88	1.01	1.11	1.25	1.44	1.77
5-28	.48	.56	.61	.66	.72	.82	.91	1.03	1.24	1.59
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.52	.59	.63	.67	.73	.83	.91	1.03	1.24	1.64
6- 1	.42	.49	.54	.57	.63	.69	.76	.87	.98	1.19
6- 3	.44	.51	.54	.58	.63	.68	.74	.84	.92	1.04
6- 5	.48	.54	.58	.61	.65	.70	.76	.83	.95	1.16
6- 7	.49	.56	.60	.64	.69	.77	.84	.93	1.01	1.10
6- 9	.42	.50	.55	.59	.66	.74	.83	1.02	1.26	1.54
6-10	.43	.51	.55	.59	.65	.72	.80	.91	1.04	1.32
6-11	.44	.51	.55	.60	.66	.73	.80	.91	1.04	1.39
6-12	.47	.54	.58	.62	.67	.74	.81	.96	1.08	1.27
6-13	.48	.58	.63	.68	.76	.86	.99	1.25	1.61	1.98
6-14	.51	.59	.64	.68	.78	.91	1.02	1.18	1.31	1.55
6-15	.46	.57	.63	.69	.79	.95	1.15	1.44	1.73	2.12
6-16	.49	.57	.62	.66	.73	.83	.94	1.10	1.30	1.63
6-17	.44	.53	.58	.63	.70	.81	.91	1.03	1.14	1.48
6-18	.46	.54	.58	.62	.68	.78	.87	.98	1.13	1.46
6-19	.45	.51	.55	.59	.64	.69	.76	.86	1.07	1.46
6-20	.43	.51	.55	.59	.65	.73	.80	.93	1.07	1.41
6-21	.44	.51	.55	.58	.63	.68	.74	.82	.99	1.23
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.47	.54	.59	.63	.68	.76	.83	.95	1.12	1.39
6-25	.49	.61	.67	.76	.91	1.09	1.31	1.55	1.76	2.06
6-27	.46	.55	.61	.66	.74	.83	.91	1.02	1.15	1.38
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.58	0.75	0.86	1.00	1.29	1.67	2.17	2.48	2.75	3.46
5-16	.67	.85	1.00	1.26	1.61	2.18	2.84	2.90	2.96	3.04
5-19	.62	.77	.88	1.03	1.29	1.59	1.88	2.23	2.63	3.45
5-21	.57	.70	.77	.84	.97	1.18	1.69	2.39	2.45	2.52
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.65	.77	.87	.99	1.12	1.28	1.44	1.65	2.06	2.83
5-27	.73	.94	1.07	1.18	1.48	1.87	2.19	2.45	2.56	2.72
5-28	.62	.76	.87	1.00	1.34	1.64	1.82	2.02	2.13	2.27
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.65	.80	.92	1.11	1.54	2.05	2.31	2.42	2.48	2.54
6- 1	.52	.64	.72	.85	1.10	1.60	1.87	2.17	2.40	2.48
6- 3	.51	.61	.67	.73	.88	1.05	1.29	1.93	2.34	2.92
6- 5	.55	.64	.69	.76	.93	1.22	1.51	1.87	2.03	2.09
6- 7	.56	.66	.72	.78	.89	1.01	1.08	1.17	1.34	1.67
6- 9	.58	.77	.99	1.26	1.70	2.10	2.28	2.59	2.85	2.95
6-10	.53	.66	.75	.87	1.09	1.43	1.63	1.96	2.04	2.11
6-11	.58	.75	.91	1.23	1.86	2.51	2.71	3.41	3.48	3.58
6-12	.58	.69	.79	.94	1.16	1.56	2.08	2.27	2.50	2.86
6-13	.71	1.00	1.35	1.72	2.07	2.88	3.12	3.38	3.46	3.56
6-14	.65	.84	.97	1.11	1.30	1.58	1.91	2.14	2.31	2.70
6-15	.74	1.13	1.41	1.68	1.99	2.46	2.69	3.01	3.34	3.48
6-16	.63	.80	.95	1.12	1.45	1.75	1.95	2.36	2.64	3.43
6-17	.59	.77	.90	1.04	1.32	1.76	2.08	2.33	2.54	2.82
6-18	.59	.73	.87	1.00	1.33	1.73	2.29	2.73	2.88	2.97
6-19	.56	.70	.84	1.17	1.68	2.32	2.54	2.76	2.87	2.97
6-20	.55	.69	.80	.95	1.29	1.69	1.93	2.36	2.43	2.51
6-21	.53	.65	.72	.85	1.22	1.63	2.16	2.85	2.92	3.00
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.58	.71	.80	.93	1.24	1.54	1.80	2.35	2.81	3.48
6-25	.80	1.12	1.36	1.54	1.80	2.07	2.24	2.58	3.24	3.47
6-27	.60	.75	.84	.94	1.13	1.40	1.71	2.01	2.13	2.29
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 191.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0460, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.51	0.59	0.63	0.67	0.74	0.83	0.92	1.04	1.16	1.34
5-16	.48	.57	.61	.65	.72	.84	.92	1.04	1.15	1.43
5-19	.50	.59	.63	.68	.75	.84	.95	1.07	1.18	1.35
5-21	.46	.53	.58	.62	.68	.75	.81	.90	.99	1.10
5-22(1)	---	---	---	---	---	---	---	---	---	---
5-24(1)	---	---	---	---	---	---	---	---	---	---
5-26	.57	.66	.72	.78	.88	.97	1.05	1.16	1.28	1.52
5-27	.55	.64	.69	.75	.85	1.04	1.21	1.40	1.65	2.08
5-28	.50	.59	.64	.69	.79	.94	1.05	1.16	1.30	1.56
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.44	.52	.57	.62	.69	.77	.83	.95	1.07	1.24
6- 1	.45	.53	.57	.61	.67	.75	.81	.93	1.13	1.65
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5	.56	.65	.71	.76	.82	.91	1.00	1.10	1.20	1.36
6- 7	.52	.59	.63	.67	.72	.81	.88	.98	1.10	1.33
6- 9	.47	.55	.59	.64	.70	.77	.83	.95	1.08	1.32
6-10	.41	.49	.53	.57	.63	.69	.77	.92	1.08	1.41
6-11	.49	.58	.63	.68	.76	.86	.96	1.09	1.22	1.43
6-12	.49	.58	.63	.68	.78	.92	1.05	1.22	1.40	1.72
6-13	.54	.62	.67	.72	.82	.95	1.08	1.25	1.38	1.59
6-14	.53	.65	.72	.79	.92	1.08	1.20	1.34	1.51	1.84
6-15	.50	.61	.67	.74	.88	1.05	1.17	1.40	1.58	1.94
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.48	.56	.61	.65	.72	.81	.92	1.12	1.33	1.68
6-18	.45	.53	.57	.62	.68	.77	.85	.99	1.16	1.46
6-19	.46	.52	.56	.60	.65	.70	.76	.83	.97	1.13
6-20	.44	.51	.56	.60	.65	.73	.82	.98	1.27	1.70
6-21	.48	.56	.61	.65	.72	.81	.89	1.02	1.16	1.49
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.48	.55	.60	.64	.69	.76	.82	.91	1.00	1.12
6-25	.44	.54	.61	.67	.79	.93	1.06	1.32	1.65	1.95
6-27	.46	.54	.58	.63	.69	.80	.91	1.04	1.15	1.29
6-29(1)	---	---	---	---	---	---	---	---	---	---

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.61	0.73	0.82	0.91	1.07	1.26	1.41	1.55	1.69	2.86
5-16	.61	.74	.86	.95	1.12	1.42	1.60	1.84	2.02	2.09
5-19	.62	.75	.83	.94	1.09	1.25	1.39	1.56	1.74	2.01
5-21	.59	.73	.84	.99	1.80	2.88	2.93	2.98	3.03	3.10
5-22(1)	---	---	---	---	---	---	---	---	---	---
5-24(1)	---	---	---	---	---	---	---	---	---	---
5-26	.71	.87	.95	1.04	1.19	1.42	1.71	1.98	2.18	2.41
5-27	.76	1.06	1.26	1.45	1.83	2.17	2.39	2.61	2.82	2.93
5-28	.65	.84	.98	1.08	1.24	1.49	1.71	1.88	2.02	2.09
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.55	.68	.76	.83	1.00	1.18	1.35	1.58	1.74	1.88
6- 1	.60	.78	.95	1.42	1.81	2.29	2.85	3.39	3.47	3.57
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5	.68	.80	.86	.95	1.07	1.21	1.35	1.52	1.67	2.10
6- 7	.62	.72	.81	.90	1.06	1.35	1.65	1.83	1.98	2.86
6- 9	.58	.70	.77	.85	1.05	1.32	1.53	1.78	2.00	2.07
6-10	.53	.68	.82	1.04	1.43	1.71	2.50	2.67	2.83	3.48
6-11	.63	.77	.87	.98	1.16	1.37	1.54	1.75	1.96	2.21
6-12	.66	.89	1.04	1.20	1.46	1.78	2.00	2.42	2.79	2.92
6-13	.68	.87	1.01	1.18	1.36	1.60	1.88	2.41	2.55	2.74
6-14	.78	1.02	1.17	1.31	1.57	2.00	2.43	2.84	3.03	3.30
6-15	.74	1.02	1.16	1.36	1.61	1.95	2.16	2.41	2.74	3.27
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.63	.80	.97	1.20	1.52	2.00	2.09	2.20	2.29	2.41
6-18	.61	.80	.99	1.26	1.86	2.46	3.39	3.47	3.54	3.63
6-19	.54	.64	.70	.78	.99	1.25	1.71	2.11	2.41	2.49
6-20	.58	.75	.95	1.29	1.67	1.91	2.12	2.45	2.86	2.96
6-21	.61	.76	.86	1.00	1.29	1.70	1.90	2.30	2.55	2.83
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.56	.66	.72	.77	.87	1.00	1.10	1.23	1.39	1.52
6-25	.71	1.01	1.28	1.59	1.89	2.39	2.68	2.93	3.09	3.31
6-27	.58	.71	.84	.97	1.12	1.30	1.50	2.05	2.38	3.48
6-29(1)	---	---	---	---	---	---	---	---	---	---

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 192.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0516, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.44	0.53	0.59	0.64	0.72	0.83	0.92	1.05	1.21	1.39
5-16	.48	.57	.62	.66	.73	.81	.89	1.00	1.19	1.41
5-19	.48	.56	.60	.64	.69	.79	.89	.99	1.12	1.32
5-21	.47	.55	.59	.64	.70	.78	.85	.96	1.05	1.19
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.51	.61	.67	.73	.83	.97	1.09	1.26	1.46	1.71
5-27	.47	.56	.61	.66	.74	.85	.93	1.03	1.15	1.35
5-28	.49	.60	.66	.73	.86	.98	1.12	1.39	1.54	1.74
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.45	.54	.60	.65	.73	.85	.94	1.08	1.24	1.40
6- 1	.49	.57	.62	.67	.75	.87	.97	1.13	1.31	1.51
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5	.48	.57	.63	.68	.76	.86	.97	1.12	1.28	1.50
6- 7	.49	.58	.63	.68	.76	.87	1.01	1.26	1.46	1.83
6- 9	.44	.52	.57	.62	.69	.80	.94	1.13	1.33	1.68
6-10	.44	.52	.56	.61	.67	.77	.86	.97	1.12	1.54
6-11	.48	.56	.60	.65	.71	.81	.90	1.01	1.14	1.39
6-12	.49	.60	.65	.71	.84	.98	1.12	1.31	1.52	1.85
6-13	.49	.61	.68	.76	.89	1.08	1.29	1.58	1.86	2.38
6-14	.46	.56	.62	.67	.79	.94	1.12	1.37	1.57	1.90
6-15	.46	.57	.63	.69	.82	.97	1.15	1.40	1.75	2.11
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.46	.55	.59	.64	.71	.82	.93	1.11	1.28	1.55
6-18	.47	.54	.58	.62	.68	.77	.88	1.02	1.19	1.46
6-19	.47	.53	.56	.59	.64	.68	.73	.79	.86	1.00
6-20	.43	.50	.54	.58	.63	.69	.76	.85	.98	1.19
6-21	.49	.57	.61	.65	.71	.79	.87	1.02	1.14	1.45
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.49	.58	.63	.68	.76	.86	.96	1.10	1.25	1.54
6-25	.50	.57	.61	.65	.72	.82	.95	1.10	1.25	1.45
6-27	.43	.51	.54	.58	.64	.70	.77	.87	.99	1.17
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.58	0.74	0.85	0.95	1.15	1.33	1.48	1.68	2.09	2.28
5-16	.60	.73	.81	.90	1.10	1.34	1.49	1.66	1.75	1.87
5-19	.58	.69	.80	.91	1.06	1.28	1.46	1.71	1.85	2.02
5-21	.57	.69	.76	.85	1.00	1.16	1.47	1.60	1.79	2.88
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.70	.91	1.05	1.19	1.46	1.71	1.89	2.17	2.64	2.91
5-27	.61	.77	.87	.97	1.14	1.41	1.87	2.15	2.31	2.44
5-28	.70	.93	1.06	1.24	1.49	1.66	1.78	1.93	2.03	2.09
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.60	.77	.88	.98	1.21	1.38	1.59	1.86	2.06	2.25
6- 1	.62	.78	.90	1.02	1.23	1.45	1.56	1.69	1.89	2.05
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5	.63	.79	.90	1.04	1.25	1.49	1.68	2.01	2.12	2.26
6- 7	.67	.89	1.14	1.34	1.68	2.01	2.28	2.47	2.58	2.74
6- 9	.62	.85	1.09	1.30	1.69	2.16	2.53	2.90	3.13	3.40
6-10	.58	.76	.91	1.08	1.58	2.12	2.50	2.82	3.18	3.45
6-11	.61	.77	.89	1.03	1.33	1.86	2.23	2.53	2.73	3.45
6-12	.72	.97	1.15	1.34	1.68	1.99	2.27	2.69	2.99	3.32
6-13	.83	1.21	1.49	1.74	2.13	2.58	2.87	3.07	3.26	3.44
6-14	.69	.97	1.22	1.42	1.66	1.99	2.23	2.51	2.78	3.28
6-15	.74	1.05	1.30	1.57	1.90	2.20	2.41	2.56	2.70	2.86
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.63	.83	1.01	1.23	1.56	2.14	2.72	3.38	3.46	3.56
6-18	.58	.70	.83	.97	1.21	1.48	1.65	1.82	1.98	2.85
6-19	.52	.60	.64	.68	.76	.88	1.02	1.22	1.37	1.46
6-20	.52	.64	.71	.82	1.05	1.36	1.66	2.35	2.66	2.90
6-21	.63	.79	.95	1.14	1.60	2.51	2.86	3.05	3.23	3.42
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.64	.80	.93	1.07	1.33	1.68	2.07	2.41	2.56	2.78
6-25	.62	.78	.92	1.08	1.30	1.54	2.03	2.36	3.16	3.44
6-27	.52	.64	.71	.82	1.02	1.33	1.56	2.14	3.41	3.52
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 193.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0556, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.43	0.53	0.58	0.63	0.71	0.82	0.93	1.06	1.17	1.34
5-16	.50	.58	.63	.68	.75	.84	.95	1.13	1.40	2.05
5-19	.42	.53	.59	.66	.76	.90	1.06	1.31	1.60	2.00
5-21	.50	.57	.61	.65	.71	.78	.85	.94	1.06	1.26
5-22(1)	---	---	---	---	---	---	---	---	---	---
5-24(1)	---	---	---	---	---	---	---	---	---	---
5-26	.56	.64	.69	.75	.85	.95	1.05	1.25	1.57	1.85
5-27	.47	.54	.59	.63	.69	.77	.84	1.05	1.27	1.68
5-28	.47	.55	.60	.65	.72	.84	.95	1.07	1.17	1.40
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.51	.58	.63	.67	.74	.82	.91	1.09	1.27	1.47
6- 1	.46	.54	.59	.64	.71	.84	.94	1.07	1.22	1.41
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5	.45	.52	.56	.60	.66	.72	.78	.85	.91	1.00
6- 7	.48	.56	.59	.63	.69	.76	.84	.92	1.01	1.19
6- 9	.49	.57	.62	.66	.73	.83	.95	1.15	1.32	1.65
6-10	.48	.56	.60	.64	.71	.79	.88	1.00	1.12	1.32
6-11	.51	.60	.66	.71	.81	.93	1.06	1.26	1.44	1.70
6-12	.47	.56	.62	.67	.78	.93	1.11	1.36	1.71	2.23
6-13	.47	.57	.63	.69	.78	.89	1.02	1.21	1.41	1.76
6-14	.42	.51	.56	.61	.68	.82	.97	1.21	1.51	1.91
6-15	.44	.52	.56	.60	.66	.73	.81	.96	1.10	1.51
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.45	.51	.55	.58	.63	.68	.73	.83	.93	1.09
6-18	.44	.51	.56	.60	.66	.73	.80	.89	.98	1.21
6-19	.46	.52	.55	.58	.63	.67	.72	.79	.87	1.02
6-20	.46	.55	.60	.66	.74	.84	.94	1.09	1.24	1.44
6-21	.50	.60	.66	.72	.81	.93	1.06	1.25	1.50	1.93
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.48	.58	.63	.68	.78	.94	1.08	1.28	1.54	1.92
6-25	.43	.52	.58	.63	.70	.81	.92	1.12	1.37	1.77
6-27	.47	.55	.59	.63	.69	.76	.82	.92	1.02	1.18
6-29(1)	---	---	---	---	---	---	---	---	---	---

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.57	0.71	0.82	0.93	1.07	1.22	1.35	1.46	1.54	1.64
5-16	.70	.94	1.22	1.60	2.37	2.64	2.85	3.00	3.14	3.33
5-19	.68	.98	1.23	1.48	1.83	2.13	2.35	2.43	2.48	2.55
5-21	.62	.74	.84	.98	1.32	2.20	3.14	3.42	3.50	3.59
5-22(1)	---	---	---	---	---	---	---	---	---	---
5-24(1)	---	---	---	---	---	---	---	---	---	---
5-26	.73	.93	1.08	1.39	1.74	1.99	2.46	2.61	2.74	2.89
5-27	.60	.75	.89	1.14	1.47	1.82	2.03	2.26	2.40	2.49
5-28	.62	.79	.93	1.06	1.27	1.82	2.12	2.38	2.44	2.51
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.62	.74	.83	.95	1.21	1.38	1.52	1.69	1.73	1.78
6- 1	.59	.75	.87	.98	1.18	1.37	1.53	1.73	1.99	2.23
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5	.52	.62	.67	.73	.82	.92	1.01	1.21	1.36	2.41
6- 7	.56	.66	.72	.80	.91	1.05	1.20	1.34	1.44	1.54
6- 9	.63	.79	.93	1.11	1.35	1.68	1.81	1.97	2.04	2.11
6-10	.59	.71	.81	.91	1.10	1.33	1.53	1.79	2.50	2.86
6-11	.68	.87	1.01	1.20	1.43	1.67	1.83	2.06	2.41	2.70
6-12	.74	1.13	1.40	1.75	2.19	2.62	2.87	3.00	3.12	3.29
6-13	.69	.91	1.10	1.32	1.66	2.19	2.47	2.75	3.42	3.53
6-14	.65	1.00	1.29	1.60	1.96	2.46	2.79	2.98	3.14	3.35
6-15	.58	.74	.90	1.11	1.72	2.40	2.56	2.75	2.87	2.96
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.51	.61	.67	.75	.92	1.18	1.52	1.91	2.29	2.92
6-18	.53	.65	.72	.79	.92	1.16	1.40	1.53	1.65	1.85
6-19	.52	.60	.65	.70	.83	1.05	1.29	2.16	2.38	2.93
6-20	.62	.79	.92	1.07	1.31	1.67	1.95	2.61	2.86	2.95
6-21	.72	.96	1.16	1.43	1.87	2.31	2.64	2.86	2.93	3.01
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.72	1.06	1.29	1.61	2.01	2.64	3.40	3.47	3.54	3.63
6-25	.63	.86	1.10	1.39	1.79	2.28	2.55	2.82	3.44	3.55
6-27	.56	.67	.73	.80	.94	1.11	1.28	1.55	1.77	1.98
6-29(1)	---	---	---	---	---	---	---	---	---	---

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 194.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0602, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.44	0.55	0.61	0.67	0.75	0.84	0.96	1.13	1.36	1.76
5-16	.45	.52	.56	.60	.65	.72	.78	.88	1.02	1.21
5-19	.49	.58	.64	.69	.78	.90	1.02	1.21	1.43	1.86
5-21	.49	.57	.61	.64	.70	.78	.85	.96	1.08	1.35
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.41	.49	.53	.57	.63	.70	.78	.89	1.00	1.15
5-27	.44	.50	.54	.57	.62	.68	.73	.84	.97	1.17
5-28	.43	.51	.55	.60	.66	.74	.81	.91	1.05	1.26
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.47	.53	.56	.60	.64	.69	.76	.84	.92	1.04
6- 1	.42	.49	.53	.56	.62	.67	.72	.79	.85	.96
6- 3	.46	.53	.56	.60	.65	.71	.78	.87	.95	1.06
6- 5	.47	.54	.58	.62	.68	.74	.80	.87	.94	1.08
6- 7	.48	.55	.60	.64	.70	.80	.91	1.07	1.22	1.46
6- 9	.45	.53	.57	.61	.67	.74	.83	.95	1.08	1.27
6-10	.44	.52	.56	.60	.66	.74	.81	.88	.95	1.06
6-11	.50	.60	.66	.72	.85	1.01	1.17	1.46	1.76	2.24
6-12	.46	.55	.60	.65	.73	.84	.96	1.14	1.37	1.94
6-13	.43	.53	.60	.66	.75	.88	1.01	1.21	1.40	1.76
6-14	.44	.51	.56	.60	.66	.73	.82	1.01	1.21	1.61
6-15	.43	.51	.56	.61	.68	.77	.86	.99	1.18	1.41
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.45	.51	.55	.59	.64	.70	.76	.84	.94	1.15
6-18	.48	.56	.61	.65	.72	.83	.93	1.09	1.26	1.50
6-19	.42	.49	.54	.57	.63	.69	.74	.80	.88	1.01
6-20	.50	.59	.64	.69	.80	.92	1.02	1.18	1.29	1.46
6-21	.56	.63	.67	.71	.81	.96	1.20	1.49	1.83	2.38
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.49	.57	.61	.65	.71	.82	.95	1.14	1.36	1.68
6-25	.45	.55	.61	.67	.77	.93	1.08	1.26	1.41	1.79
6-27	.49	.57	.61	.65	.71	.81	.91	1.04	1.18	1.50
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.69	0.94	1.19	1.53	2.17	2.72	3.38	3.46	3.53	3.62
5-16	.54	.65	.71	.80	1.00	1.23	1.41	1.75	1.85	1.99
5-19	.68	.90	1.07	1.28	1.70	2.00	2.17	2.38	2.52	2.71
5-21	.59	.69	.77	.86	1.03	1.29	1.50	1.68	1.72	1.77
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.50	.61	.68	.77	.92	1.09	1.22	1.35	1.58	2.39
5-27	.50	.61	.67	.75	.96	1.21	1.43	1.65	1.81	2.39
5-28	.52	.65	.72	.80	.96	1.18	1.33	1.45	1.50	1.58
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.53	.62	.68	.74	.88	1.06	1.30	2.11	2.34	2.92
6- 1	.48	.57	.62	.67	.76	.86	.97	1.20	1.42	1.56
6- 3	.52	.62	.67	.73	.84	.95	1.05	1.17	1.35	1.52
6- 5	.54	.64	.69	.75	.84	.94	1.05	1.22	1.31	1.46
6- 7	.60	.75	.88	1.05	1.27	1.58	1.80	2.00	2.38	2.83
6- 9	.55	.67	.75	.86	1.04	1.26	1.48	1.78	2.01	2.08
6-10	.53	.64	.70	.78	.88	.99	1.16	1.51	1.74	2.39
6-11	.78	1.11	1.38	1.65	2.08	2.43	2.71	3.25	3.43	3.54
6-12	.66	.91	1.14	1.42	2.03	2.53	2.95	3.27	3.42	3.53
6-13	.66	.89	1.08	1.29	1.62	1.94	2.21	2.87	3.10	3.39
6-14	.57	.72	.87	1.11	1.46	1.75	1.87	2.06	2.42	2.49
6-15	.58	.75	.88	1.06	1.36	1.83	2.44	2.87	3.23	3.46
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.52	.62	.68	.75	.89	1.14	1.31	1.58	2.04	2.39
6-18	.62	.77	.89	1.04	1.29	1.58	1.79	2.01	2.24	2.43
6-19	.49	.59	.64	.70	.78	.90	1.04	1.23	1.37	1.45
6-20	.66	.87	.98	1.12	1.31	1.61	2.05	2.93	3.16	3.41
6-21	.76	1.17	1.45	1.75	2.13	2.49	2.68	2.95	3.28	3.47
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.64	.82	1.03	1.25	1.58	1.88	2.18	3.38	3.46	3.56
6-25	.69	.99	1.19	1.36	1.76	2.36	2.87	3.20	3.40	3.52
6-27	.62	.77	.91	1.06	1.39	1.83	2.12	2.45	2.86	2.96
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 195.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0653, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.45	0.52	0.55	0.59	0.64	0.70	0.77	0.86	0.94	1.06
5-16	.46	.53	.56	.60	.65	.71	.78	.86	.92	1.02
5-19	.50	.58	.62	.66	.73	.82	.90	1.00	1.17	1.35
5-21	.48	.55	.59	.63	.68	.76	.82	.95	1.07	1.26
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.43	.49	.53	.56	.60	.65	.68	.75	.83	1.00
5-27	.45	.51	.55	.59	.64	.69	.74	.82	.90	1.04
5-28	.47	.54	.58	.61	.67	.73	.80	.88	.96	1.06
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.47	.56	.61	.65	.72	.80	.87	.97	1.08	1.28
6- 1	.49	.55	.58	.61	.66	.71	.77	.86	.94	1.08
6- 3	.50	.58	.63	.68	.75	.84	.91	.99	1.10	1.32
6- 5	.53	.60	.64	.68	.75	.83	.90	.99	1.08	1.22
6- 7	.47	.55	.59	.63	.69	.79	.88	1.02	1.20	1.60
6- 9	.46	.54	.59	.63	.70	.78	.85	.95	1.05	1.21
6-10	.52	.61	.66	.71	.82	.96	1.09	1.27	1.45	1.72
6-11	.48	.56	.60	.65	.71	.80	.88	1.01	1.20	1.59
6-12	.44	.51	.55	.59	.65	.71	.77	.86	.96	1.15
6-13	.47	.53	.57	.60	.65	.71	.78	.87	.99	1.18
6-14	.44	.50	.54	.57	.62	.67	.71	.78	.84	.99
6-15	.44	.51	.54	.58	.62	.68	.73	.82	.95	1.18
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.45	.53	.57	.61	.67	.73	.79	.88	1.01	1.22
6-18	.48	.56	.60	.65	.72	.80	.88	1.00	1.09	1.25
6-19	.47	.59	.65	.72	.82	.97	1.11	1.27	1.41	1.62
6-20	.46	.55	.60	.65	.72	.82	.97	1.19	1.51	1.98
6-21	.48	.57	.62	.67	.75	.90	1.09	1.37	1.88	2.28
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.47	.56	.61	.66	.75	.88	1.01	1.16	1.39	1.72
6-25	.43	.52	.57	.62	.69	.79	.89	1.03	1.17	1.58
6-27	.47	.56	.60	.65	.72	.80	.87	.97	1.08	1.25
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.51	0.60	0.65	0.70	0.82	0.93	1.02	1.14	1.21	1.25
5-16	.52	.61	.66	.71	.81	.90	.98	1.08	1.17	1.29
5-19	.61	.72	.81	.90	1.07	1.28	1.42	1.68	1.72	1.78
5-21	.58	.69	.77	.87	1.08	1.35	1.74	2.09	2.19	2.33
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.49	.59	.65	.70	.93	1.35	2.83	2.90	2.96	3.04
5-27	.52	.62	.67	.74	.88	1.16	1.42	1.67	3.44	3.55
5-28	.54	.63	.68	.74	.84	.94	1.02	1.12	1.21	1.34
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.58	.70	.78	.85	.99	1.18	1.39	1.56	1.69	1.75
6- 1	.54	.63	.67	.72	.83	.96	1.07	1.22	1.31	1.48
6- 3	.61	.74	.82	.90	1.03	1.25	1.52	1.75	1.89	2.19
6- 5	.62	.73	.80	.88	1.00	1.17	1.43	1.67	2.35	2.46
6- 7	.61	.77	.91	1.10	1.51	1.90	2.26	2.49	2.62	2.81
6- 9	.56	.69	.76	.84	.97	1.14	1.37	1.54	1.68	1.96
6-10	.68	.89	1.03	1.18	1.40	1.66	1.82	2.01	2.10	2.23
6-11	.65	.83	1.03	1.37	1.97	2.89	3.10	3.35	3.44	3.55
6-12	.55	.68	.77	.90	1.32	2.15	2.41	2.52	2.61	2.74
6-13	.54	.64	.70	.79	.96	1.20	1.49	1.73	1.81	1.93
6-14	.50	.59	.64	.69	.78	.94	1.12	1.52	1.93	3.38
6-15	.54	.68	.80	1.07	2.15	2.85	2.91	2.96	3.02	3.08
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.55	.67	.75	.84	1.10	1.49	1.80	2.85	2.91	3.00
6-18	.59	.71	.79	.88	1.03	1.19	1.39	1.69	2.05	2.29
6-19	.68	.89	1.03	1.18	1.36	1.56	1.73	1.93	2.31	2.46
6-20	.67	.97	1.27	1.60	2.02	2.32	2.84	3.11	3.36	3.48
6-21	.74	1.20	1.72	1.94	2.24	2.71	3.00	3.27	3.42	3.53
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.66	.89	1.07	1.26	1.63	1.97	2.26	2.77	3.44	3.54
6-25	.61	.82	1.00	1.23	1.81	2.44	2.84	3.03	3.21	3.41
6-27	.58	.70	.77	.84	.98	1.14	1.30	1.47	1.60	1.80
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 196.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0708, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.46	0.53	0.57	0.61	0.66	0.74	0.83	1.01	1.12	1.28
5-16	.53	.61	.65	.69	.77	.86	.98	1.10	1.24	1.53
5-19	.50	.56	.60	.63	.68	.74	.81	.89	.98	1.12
5-21	.56	.66	.71	.77	.86	1.00	1.16	1.39	1.61	1.85
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.43	.49	.52	.56	.60	.65	.69	.77	.87	1.06
5-27	.47	.54	.58	.61	.66	.71	.77	.84	.95	1.06
5-28	.48	.54	.58	.61	.65	.70	.75	.82	.88	.98
5-29	.53	.60	.63	.66	.71	.83	.91	1.01	1.13	1.27
5-30	.48	.57	.62	.68	.75	.82	.89	.99	1.10	1.29
6- 1	.48	.57	.62	.66	.74	.84	.95	1.14	1.35	1.61
6- 3	.48	.55	.60	.64	.70	.82	.95	1.13	1.33	1.73
6- 5	.51	.58	.62	.66	.72	.80	.88	.99	1.13	1.37
6- 7	.48	.57	.62	.66	.74	.84	.96	1.14	1.28	1.49
6- 9	.45	.53	.58	.62	.68	.78	.87	.98	1.11	1.37
6-10	.45	.52	.56	.59	.65	.71	.77	.85	.94	1.13
6-11	.48	.56	.60	.64	.70	.81	.91	1.05	1.25	1.75
6-12	.42	.53	.59	.65	.75	.97	1.25	1.77	2.09	2.56
6-13	.47	.53	.57	.61	.66	.73	.81	.92	1.05	1.28
6-14	.42	.50	.54	.58	.64	.71	.79	.90	1.02	1.24
6-15	.46	.53	.58	.62	.68	.75	.81	.92	1.06	1.29
6-16	.47	.53	.56	.60	.64	.70	.75	.83	.90	1.02
6-17	.42	.49	.53	.56	.61	.67	.72	.79	.87	1.02
6-18	.50	.58	.62	.66	.72	.80	.88	.98	1.13	1.32
6-19	.47	.56	.62	.67	.75	.88	1.03	1.20	1.37	1.82
6-20	.51	.59	.64	.69	.78	.91	1.04	1.24	1.45	1.86
6-21	.45	.56	.62	.68	.79	1.02	1.36	1.76	2.12	2.83
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.42	.49	.54	.58	.65	.72	.79	.89	1.00	1.18
6-25	.48	.56	.61	.65	.71	.85	.97	1.19	1.38	1.79
6-27	.47	.54	.59	.63	.69	.79	.88	1.02	1.16	1.37
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.56	0.68	0.79	0.95	1.14	1.36	1.73	2.07	2.38	2.47
5-16	.65	.78	.89	1.02	1.20	1.50	1.70	1.90	2.03	2.09
5-19	.58	.67	.73	.81	.96	1.18	1.64	2.27	2.63	2.89
5-21	.75	.96	1.15	1.36	1.64	1.87	2.07	2.43	2.85	2.95
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.48	.57	.63	.68	.82	1.07	1.29	1.75	2.00	2.07
5-27	.54	.62	.67	.72	.81	.95	1.05	1.13	1.25	1.48
5-28	.53	.61	.65	.69	.75	.84	.91	.99	1.03	1.08
5-29	.61	.69	.78	.88	.99	1.15	1.26	1.37	1.45	1.54
5-30	.60	.73	.79	.86	.98	1.15	1.31	1.47	1.58	1.70
6- 1	.64	.82	.96	1.17	1.46	1.72	2.03	2.25	2.46	2.75
6- 3	.64	.87	1.08	1.31	1.74	2.15	2.49	2.88	3.11	3.40
6- 5	.63	.75	.86	1.00	1.32	2.00	3.11	3.42	3.49	3.59
6- 7	.64	.82	.98	1.17	1.38	1.89	2.25	2.67	3.06	3.42
6- 9	.58	.73	.86	.98	1.25	1.69	2.05	2.68	2.88	2.97
6-10	.55	.67	.77	.89	1.28	2.31	3.39	3.46	3.53	3.62
6-11	.65	.89	1.11	1.44	2.18	2.85	2.96	3.10	3.22	3.38
6-12	.82	1.54	1.84	2.07	2.43	2.71	2.97	3.31	3.43	3.54
6-13	.56	.68	.76	.88	1.15	1.42	1.74	2.48	3.38	3.50
6-14	.52	.65	.73	.85	1.04	1.32	1.58	1.86	2.14	2.89
6-15	.56	.68	.76	.83	1.07	1.35	1.59	1.94	2.04	2.11
6-16	.53	.62	.67	.72	.83	.97	1.16	1.39	2.09	2.40
6-17	.48	.57	.63	.68	.77	.92	1.07	1.25	1.38	1.62
6-18	.63	.77	.89	1.03	1.37	2.44	2.99	3.41	3.48	3.58
6-19	.66	.90	1.09	1.27	1.68	2.06	2.27	2.70	2.88	2.97
6-20	.68	.91	1.10	1.31	1.61	2.10	2.28	2.52	2.74	2.91
6-21	.85	1.54	1.82	2.09	2.57	2.98	3.25	3.42	3.49	3.59
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.51	.64	.72	.82	.99	1.24	1.51	1.99	2.67	2.90
6-25	.67	.97	1.25	1.54	2.05	2.83	3.43	3.50	3.56	3.65
6-27	.58	.71	.82	.95	1.15	1.38	1.62	1.88	2.02	2.09
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 197.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0757, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.48	0.58	0.64	0.70	0.81	0.97	1.16	1.50	1.85	2.34
5-16	.55	.63	.68	.73	.82	.92	1.02	1.17	1.31	1.48
5-19	.51	.59	.64	.69	.77	.89	1.01	1.20	1.38	1.76
5-21	.56	.62	.65	.68	.74	.83	.93	1.07	1.23	1.44
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.47	.54	.58	.62	.68	.74	.81	.91	1.02	1.36
5-27	.49	.57	.61	.65	.70	.80	.90	1.03	1.16	1.48
5-28	.48	.55	.59	.63	.68	.76	.83	.93	1.03	1.21
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.52	.61	.66	.71	.80	.90	1.00	1.15	1.29	1.50
6- 1	.48	.56	.61	.65	.72	.80	.88	.99	1.10	1.30
6- 3	.48	.56	.60	.65	.71	.80	.87	.97	1.07	1.23
6- 5	.52	.59	.62	.65	.70	.78	.84	.94	1.07	1.30
6- 7	.45	.52	.56	.60	.65	.72	.79	.90	1.01	1.22
6- 9	.51	.59	.63	.68	.76	.86	.95	1.10	1.28	1.68
6-10	.43	.50	.54	.58	.64	.70	.77	.87	1.01	1.38
6-11	.42	.49	.53	.57	.63	.69	.75	.82	.91	1.08
6-12	.42	.49	.53	.57	.63	.70	.80	.95	1.12	1.43
6-13	.39	.46	.50	.54	.59	.65	.71	.77	.84	.97
6-14	.43	.51	.55	.59	.65	.71	.81	.94	1.10	1.46
6-15	.46	.54	.58	.62	.68	.76	.84	.94	1.05	1.27
6-16	.47	.56	.60	.65	.72	.80	.89	1.03	1.20	1.41
6-17	.45	.53	.57	.61	.67	.76	.86	1.01	1.16	1.41
6-18	.49	.58	.63	.68	.76	.87	.98	1.11	1.25	1.55
6-19	.47	.54	.57	.61	.66	.72	.80	.90	1.02	1.29
6-20	.47	.55	.59	.63	.68	.76	.84	.94	1.03	1.21
6-21	.47	.56	.61	.66	.73	.83	.96	1.16	1.31	1.59
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.50	.60	.65	.70	.78	.88	.98	1.15	1.31	1.53
6-25	.51	.60	.64	.69	.79	.93	1.06	1.28	1.53	1.92
6-27	.45	.52	.56	.60	.66	.72	.80	.90	1.02	1.16
6-29(1)	—	—	—	—	—	—	—	—	—	—

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.78	1.16	1.50	1.79	2.19	2.51	2.73	3.01	3.28	3.46
5-16	.67	.81	.91	1.02	1.20	1.39	1.50	1.63	1.78	2.04
5-19	.67	.86	1.03	1.23	1.54	1.87	2.13	2.54	2.96	3.40
5-21	.65	.76	.86	.99	1.23	1.47	1.67	2.20	2.54	2.82
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.57	.67	.75	.84	1.05	1.43	1.55	1.76	2.08	2.32
5-27	.62	.77	.91	1.07	1.43	1.92	2.21	2.75	3.16	3.44
5-28	.56	.67	.74	.82	.96	1.16	1.33	1.55	2.02	2.09
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.66	.81	.92	1.03	1.23	1.44	1.63	1.94	2.04	2.11
6- 1	.61	.75	.84	.97	1.18	1.76	2.17	2.62	2.88	2.97
6- 3	.58	.69	.76	.84	.96	1.11	1.24	1.36	1.49	1.70
6- 5	.61	.70	.78	.88	1.09	1.40	1.94	2.04	2.09	2.14
6- 7	.55	.68	.78	.91	1.20	1.66	2.84	2.91	2.97	3.04
6- 9	.66	.83	.97	1.14	1.54	2.06	2.47	2.83	2.90	2.99
6-10	.54	.68	.80	1.00	1.60	2.09	2.38	2.98	3.34	3.48
6-11	.49	.61	.68	.75	.89	1.20	1.46	1.68	1.95	2.92
6-12	.54	.70	.88	1.09	1.47	2.01	2.23	2.68	2.88	2.97
6-13	.44	.54	.60	.65	.74	.83	.95	1.09	1.21	1.29
6-14	.58	.78	1.00	1.32	2.15	2.70	2.87	2.93	2.99	3.06
6-15	.58	.71	.83	.95	1.24	1.92	2.23	2.74	2.89	2.98
6-16	.63	.81	.97	1.20	1.61	2.55	3.02	3.38	3.46	3.56
6-17	.56	.69	.81	.94	1.15	1.40	1.53	1.70	1.98	2.07
6-18	.65	.83	.98	1.13	1.40	2.04	2.32	2.49	2.61	2.77
6-19	.55	.65	.72	.82	1.00	1.31	1.54	1.77	1.96	2.32
6-20	.57	.69	.78	.88	1.05	1.42	1.70	2.12	3.38	3.50
6-21	.65	.85	1.05	1.26	1.59	2.31	2.77	3.00	3.18	3.40
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.65	.80	.91	1.05	1.27	1.50	1.68	1.89	2.08	2.34
6-25	.68	.92	1.11	1.32	1.68	1.97	2.18	2.44	2.72	2.90
6-27	.53	.64	.70	.79	.94	1.11	1.29	1.54	1.72	1.89
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 198.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0808, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.51	0.59	0.64	0.69	0.77	0.86	0.95	1.06	1.18	1.35
5-16	.51	.60	.65	.69	.78	.89	.99	1.11	1.24	1.41
5-19	.48	.57	.62	.66	.74	.87	1.01	1.25	1.48	1.82
5-21	.47	.55	.59	.64	.70	.79	.87	1.06	1.36	1.78
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.45	.53	.58	.62	.68	.76	.83	.94	1.07	1.34
5-27	.49	.57	.61	.66	.72	.81	.88	.97	1.09	1.32
5-28	.52	.60	.65	.69	.76	.84	.91	.99	1.07	1.20
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.51	.60	.65	.70	.79	.94	1.08	1.25	1.40	1.80
6- 1	.47	.55	.60	.65	.72	.82	.92	1.07	1.21	1.44
6- 3	.52	.59	.63	.66	.72	.80	.87	.98	1.11	1.30
6- 5	.46	.55	.60	.64	.71	.81	.90	1.02	1.20	1.58
6- 7	.59	.67	.70	.76	.86	.97	1.09	1.23	1.37	1.83
6- 9	.45	.53	.57	.62	.68	.77	.85	.97	1.14	1.44
6-10	.44	.51	.55	.59	.64	.69	.75	.84	.96	1.13
6-11	.42	.50	.54	.58	.64	.71	.83	.97	1.18	1.50
6-12	.45	.53	.57	.61	.67	.76	.86	.97	1.13	1.44
6-13	.45	.52	.56	.60	.65	.71	.78	.88	.97	1.17
6-14	.49	.56	.59	.63	.68	.74	.82	.96	1.11	1.41
6-15	.49	.59	.65	.70	.79	.91	1.04	1.17	1.34	1.64
6-16	.49	.59	.64	.70	.80	.93	1.05	1.27	1.59	1.91
6-17	.49	.57	.62	.67	.74	.83	.92	1.06	1.25	1.49
6-18	.48	.56	.61	.65	.71	.80	.88	1.02	1.19	1.56
6-19	.44	.52	.56	.60	.67	.75	.83	.96	1.11	1.41
6-20	.47	.56	.60	.65	.72	.83	.95	1.15	1.36	1.59
6-21	.43	.52	.57	.63	.70	.86	.99	1.24	1.59	2.05
6-22	.47	.54	.58	.61	.66	.72	.79	.88	.99	1.17
6-23	.47	.54	.58	.62	.67	.75	.82	.90	.97	1.14
6-25	.47	.55	.60	.64	.71	.83	.95	1.13	1.33	1.54
6-27	.49	.56	.60	.64	.70	.78	.85	.94	1.05	1.25
6-29	.49	.58	.62	.67	.75	.86	.96	1.12	1.32	1.58

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.65	0.81	0.92	1.04	1.27	2.02	2.44	2.98	3.21	3.43
5-16	.63	.78	.87	.97	1.12	1.28	1.42	1.53	1.65	1.73
5-19	.67	.94	1.18	1.42	1.74	2.22	2.47	2.66	2.83	3.37
5-21	.63	.80	.99	1.34	1.73	2.00	2.22	2.44	2.58	2.76
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.58	.72	.82	.96	1.30	1.80	2.31	2.95	3.31	3.47
5-27	.60	.72	.81	.89	1.06	1.35	1.57	2.02	2.20	2.86
5-28	.62	.73	.81	.88	.99	1.15	1.36	1.72	3.37	3.49
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.69	.92	1.10	1.26	1.64	1.91	2.26	2.60	2.87	3.37
6- 1	.62	.78	.91	1.06	1.31	1.72	2.08	2.42	2.69	3.44
6- 3	.63	.77	.88	1.02	1.35	2.23	3.42	3.49	3.56	3.64
6- 5	.62	.80	.94	1.13	1.58	2.12	2.23	2.37	2.63	3.43
6- 7	.72	.91	1.04	1.18	1.41	1.90	2.30	2.56	2.75	2.91
6- 9	.57	.71	.82	.95	1.25	1.58	1.97	2.08	2.16	2.27
6-10	.51	.61	.67	.73	.87	1.07	1.23	1.43	1.56	2.06
6-11	.59	.86	1.15	1.49	2.34	3.07	3.33	3.44	3.51	3.60
6-12	.59	.76	.91	1.10	1.50	2.08	3.06	3.41	3.49	3.59
6-13	.54	.65	.72	.83	1.00	1.35	1.84	2.12	2.33	2.45
6-14	.59	.69	.79	.93	1.20	1.55	1.92	2.41	2.60	2.85
6-15	.67	.85	1.02	1.15	1.41	1.76	2.01	2.39	2.81	3.31
6-16	.71	.96	1.16	1.49	1.82	2.18	2.54	2.87	3.06	3.32
6-17	.62	.77	.87	.98	1.26	1.51	1.72	1.96	2.10	2.26
6-18	.63	.80	.96	1.19	1.72	2.38	2.88	3.02	3.14	3.31
6-19	.57	.73	.87	1.06	1.48	1.94	2.24	2.87	2.94	3.02
6-20	.63	.82	.98	1.20	1.47	1.72	2.24	2.50	2.62	2.78
6-21	.67	1.03	1.34	1.73	2.08	2.36	2.77	3.13	3.39	3.50
6-22	.55	.65	.71	.79	.94	1.18	1.44	1.75	1.91	2.05
6-23	.55	.66	.72	.81	.92	1.10	1.35	1.70	1.93	2.29
6-25	.62	.80	.95	1.13	1.41	1.60	2.03	2.23	2.39	2.48
6-27	.57	.68	.74	.82	.94	1.14	1.27	1.40	1.50	1.65
6-29	.66	.85	1.00	1.21	1.54	2.05	2.77	3.01	3.19	3.40

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 199.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0853, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.40	0.48	0.53	0.57	0.64	0.71	0.79	0.91	1.07	1.49
5-16	.55	.63	.67	.71	.79	.89	.98	1.10	1.23	1.47
5-19	.53	.61	.65	.69	.77	.90	1.02	1.23	1.47	1.74
5-21	.52	.58	.62	.65	.70	.77	.83	.95	1.06	1.23
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.50	.57	.60	.64	.68	.76	.84	.97	1.15	1.37
5-27	.49	.58	.63	.68	.76	.88	1.03	1.19	1.41	1.68
5-28	.54	.65	.71	.77	.86	.99	1.10	1.24	1.43	1.73
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.47	.57	.62	.68	.77	.88	.97	1.12	1.27	1.54
6- 1	.45	.54	.59	.63	.70	.82	.95	1.18	1.40	1.95
6- 3	.51	.58	.63	.67	.74	.88	1.03	1.18	1.43	1.81
6- 5	.51	.59	.63	.68	.77	.91	1.05	1.22	1.37	1.71
6- 7	.52	.60	.64	.68	.76	.86	.99	1.14	1.35	2.08
6- 9	.45	.52	.56	.60	.66	.73	.79	.87	.97	1.14
6-10	.42	.50	.55	.60	.67	.76	.86	.98	1.10	1.30
6-11	.38	.47	.52	.57	.65	.73	.81	.94	1.14	1.38
6-12	.45	.53	.57	.61	.67	.76	.84	.98	1.16	1.46
6-13	.47	.54	.58	.62	.68	.76	.83	.98	1.15	1.40
6-14	.48	.56	.61	.66	.73	.86	.98	1.13	1.31	1.68
6-15	.48	.57	.62	.68	.78	.92	1.07	1.37	1.67	2.23
6-16	.51	.59	.64	.68	.77	.88	1.00	1.16	1.35	1.66
6-17	.50	.58	.63	.67	.74	.84	.97	1.13	1.30	1.59
6-18	.49	.56	.60	.64	.70	.79	.90	1.07	1.25	1.53
6-19	.47	.56	.61	.65	.72	.82	.96	1.17	1.44	1.80
6-20	.44	.51	.54	.58	.63	.69	.74	.82	.90	1.02
6-21	.47	.55	.59	.63	.68	.76	.82	.92	1.04	1.32
6-22	.48	.54	.57	.61	.65	.70	.78	.92	1.08	1.34
6-23	.47	.55	.60	.64	.71	.78	.85	.96	1.07	1.22
6-25	.46	.54	.59	.64	.72	.82	.94	1.11	1.29	1.60
6-27	.47	.55	.59	.63	.69	.78	.86	1.02	1.16	1.40
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.56	0.75	0.95	1.30	2.09	2.83	3.17	3.41	3.48	3.58
5-16	.67	.81	.92	1.04	1.26	1.60	2.00	2.35	2.85	2.94
5-19	.68	.88	1.06	1.28	1.57	1.83	2.03	2.32	2.92	3.39
5-21	.62	.72	.81	.96	1.22	1.97	2.86	3.09	3.31	3.47
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.60	.71	.83	.99	1.29	1.70	1.99	2.58	2.78	3.47
5-27	.67	.87	1.06	1.24	1.54	1.98	2.20	2.52	2.94	3.39
5-28	.74	.93	1.07	1.21	1.50	1.90	2.24	2.56	2.82	3.36
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.65	.84	.96	1.12	1.38	1.85	2.11	2.31	3.05	3.42
6- 1	.66	.97	1.25	1.56	2.25	2.71	2.86	2.93	2.98	3.06
6- 3	.66	.90	1.09	1.27	1.66	2.01	2.38	2.53	2.67	3.39
6- 5	.66	.85	1.02	1.17	1.37	1.70	1.83	1.99	2.18	2.41
6- 7	.69	.94	1.14	1.54	2.13	2.44	2.62	2.84	2.90	2.99
6- 9	.54	.65	.72	.80	.95	1.18	1.54	1.92	2.13	2.36
6-10	.54	.69	.80	.93	1.11	1.36	1.70	1.86	2.02	2.87
6-11	.52	.70	.82	.98	1.31	1.65	2.01	2.24	2.48	2.86
6-12	.58	.73	.87	1.06	1.41	1.83	2.23	2.88	3.24	3.46
6-13	.58	.71	.81	.98	1.26	1.61	2.06	2.41	2.60	2.85
6-14	.65	.88	1.06	1.25	1.69	2.19	2.64	3.31	3.44	3.55
6-15	.70	1.00	1.31	1.58	2.02	2.34	2.66	2.93	3.09	3.32
6-16	.65	.82	.96	1.12	1.37	1.68	1.87	2.04	2.13	2.26
6-17	.64	.81	.96	1.13	1.41	1.76	2.13	2.46	2.59	2.78
6-18	.60	.73	.85	1.02	1.26	1.52	1.69	1.79	1.88	2.00
6-19	.65	.85	1.08	1.33	1.66	2.05	2.27	2.46	2.58	2.75
6-20	.50	.59	.64	.70	.79	.91	1.01	1.13	1.36	1.54
6-21	.57	.68	.76	.85	1.05	1.40	1.67	1.81	1.94	2.26
6-22	.58	.70	.84	1.08	1.64	2.13	2.48	2.75	2.88	2.97
6-23	.58	.69	.77	.84	1.00	1.16	1.38	1.56	1.77	2.28
6-25	.64	.87	1.08	1.31	1.76	2.87	3.34	3.44	3.51	3.61
6-27	.58	.71	.81	.96	1.17	1.43	1.68	1.85	2.02	2.26
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 200.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0898, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.46	0.55	0.60	0.65	0.73	0.84	0.94	1.08	1.23	1.51
5-16	.45	.54	.59	.64	.72	.79	.86	1.02	1.18	1.41
5-19	.44	.56	.62	.69	.81	.95	1.12	1.46	1.83	2.52
5-21	.51	.59	.63	.68	.75	.84	.97	1.14	1.29	1.61
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.47	.56	.62	.67	.76	.88	.98	1.11	1.28	1.68
5-27	.51	.60	.65	.70	.81	.94	1.10	1.36	1.55	1.89
5-28	.52	.60	.64	.69	.75	.83	.94	1.09	1.23	1.40
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.50	.58	.62	.67	.73	.82	.91	1.05	1.24	1.72
6- 1	.44	.53	.58	.63	.71	.87	.99	1.34	1.60	2.21
6- 3	.46	.53	.57	.61	.67	.73	.79	.87	.98	1.24
6- 5	.59	.68	.74	.80	.90	1.04	1.15	1.34	1.50	1.72
6- 7	.50	.58	.63	.67	.74	.83	.95	1.14	1.35	1.68
6- 9	.49	.58	.63	.67	.74	.82	.92	1.07	1.22	1.58
6-10	.45	.51	.55	.59	.64	.69	.74	.80	.87	1.02
6-11	.38	.45	.49	.53	.59	.65	.70	.80	.92	1.17
6-12	.45	.53	.57	.61	.67	.75	.83	1.00	1.17	1.47
6-13	.41	.48	.53	.57	.63	.69	.75	.82	.91	1.06
6-14	.46	.55	.60	.65	.72	.81	.90	1.04	1.17	1.31
6-15	.45	.54	.58	.63	.69	.77	.83	.96	1.09	1.36
6-16(1)	—	—	—	—	—	—	—	—	—	—
6-17	.52	.61	.66	.71	.81	.99	1.13	1.33	1.53	1.88
6-18	.50	.57	.61	.65	.70	.80	.92	1.08	1.23	1.40
6-19	.46	.55	.61	.66	.75	.87	.99	1.13	1.34	1.61
6-20	.50	.59	.63	.68	.76	.85	.95	1.10	1.24	1.40
6-21	.49	.56	.61	.65	.71	.80	.89	1.01	1.13	1.41
6-22	.43	.51	.55	.58	.64	.70	.76	.84	.96	1.15
6-23	.44	.51	.55	.60	.66	.73	.79	.90	1.05	1.32
6-25	.45	.52	.57	.61	.67	.74	.82	.92	1.04	1.30
6-27	.43	.52	.56	.61	.68	.76	.85	1.00	1.17	1.37
6-29(1)	—	—	—	—	—	—	—	—	—	—

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.62	0.81	0.95	1.10	1.40	1.80	2.38	2.51	2.63	2.79
5-16	.58	.72	.80	.92	1.14	1.38	1.50	1.63	2.02	2.27
5-19	.82	1.29	1.72	2.03	2.66	3.16	3.40	3.47	3.54	3.63
5-21	.65	.80	.95	1.11	1.35	1.77	2.07	2.36	2.85	2.95
5-22(1)	—	—	—	—	—	—	—	—	—	—
5-24(1)	—	—	—	—	—	—	—	—	—	—
5-26	.64	.83	.96	1.10	1.40	1.78	1.98	2.23	2.46	2.75
5-27	.70	.96	1.18	1.43	1.65	2.07	2.34	2.50	2.63	2.81
5-28	.64	.76	.84	.98	1.19	1.37	1.61	1.92	2.04	2.10
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.66	.83	1.02	1.30	1.92	2.34	2.90	3.34	3.44	3.55
6- 1	.69	1.10	1.45	1.70	2.23	2.59	2.85	3.13	3.37	3.49
6- 3	.54	.65	.71	.79	.93	1.22	1.42	1.56	1.73	2.05
6- 5	.76	.96	1.11	1.27	1.52	1.80	2.15	2.88	3.07	3.33
6- 7	.65	.82	1.01	1.23	1.57	1.99	2.39	2.51	2.62	2.77
6- 9	.64	.79	.92	1.09	1.38	1.92	2.21	2.57	2.85	2.95
6-10	.50	.59	.64	.69	.77	.88	1.01	1.17	1.27	1.41
6-11	.48	.64	.75	.97	1.61	2.40	2.54	2.71	3.38	3.50
6-12	.59	.74	.90	1.11	1.47	2.04	2.30	2.54	2.74	3.45
6-13	.48	.59	.66	.72	.83	.99	1.15	1.45	1.59	1.85
6-14	.59	.74	.83	.95	1.14	1.32	1.68	2.02	2.06	2.13
6-15	.60	.76	.87	1.08	1.74	2.32	2.56	2.82	3.17	3.45
6-16(1)	—	—	—	—	—	—	—	—	—	—
6-17	.70	.97	1.15	1.33	1.61	1.96	2.13	2.31	2.51	2.81
6-18	.62	.76	.91	1.08	1.30	1.72	2.38	2.82	3.19	3.45
6-19	.64	.83	.98	1.12	1.43	1.68	2.00	2.57	3.08	3.42
6-20	.63	.77	.86	.98	1.19	1.35	1.49	1.66	2.14	2.44
6-21	.63	.79	.93	1.11	1.70	2.41	2.87	3.06	3.24	3.42
6-22	.51	.62	.68	.76	.90	1.13	1.31	1.63	1.91	2.06
6-23	.55	.68	.78	.91	1.23	1.64	1.88	2.43	3.37	3.49
6-25	.55	.67	.76	.86	1.06	1.39	1.59	1.84	3.39	3.51
6-27	.57	.72	.84	1.01	1.27	1.57	1.92	2.52	2.78	3.47
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 201.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0940, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.46	0.54	0.59	0.63	0.70	0.80	0.89	1.02	1.27	1.68
5-16	.44	.54	.60	.66	.74	.83	.93	1.08	1.25	1.45
5-19	.49	.57	.62	.66	.75	.91	1.08	1.34	1.61	2.05
5-21	.54	.62	.66	.70	.77	.87	.95	1.10	1.28	1.54
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.49	.59	.64	.70	.79	.91	1.05	1.26	1.52	1.94
5-27	.52	.59	.63	.67	.73	.82	.91	1.02	1.13	1.31
5-28	.45	.55	.61	.66	.80	.95	1.11	1.37	1.68	2.25
5-29	.50	.58	.63	.67	.74	.83	.94	1.11	1.30	1.65
5-30	.46	.54	.58	.62	.67	.74	.82	.93	1.06	1.26
6- 1	.45	.53	.57	.61	.67	.74	.81	.89	.97	1.12
6- 3	.45	.52	.56	.60	.65	.72	.79	.89	1.02	1.26
6- 5	.50	.58	.62	.66	.72	.79	.86	1.02	1.16	1.47
6- 7	.47	.54	.59	.63	.68	.75	.80	.88	.97	1.10
6- 9	.46	.55	.59	.64	.70	.84	.96	1.21	1.47	2.14
6-10	.47	.54	.58	.62	.68	.77	.86	.99	1.14	1.39
6-11	.42	.51	.56	.61	.69	.82	.93	1.10	1.34	1.68
6-12	.45	.53	.58	.62	.69	.77	.86	.99	1.12	1.32
6-13	.48	.58	.64	.69	.79	.92	1.07	1.31	1.53	1.86
6-14	.47	.56	.61	.66	.75	.88	1.01	1.34	1.71	2.03
6-15	.53	.62	.66	.71	.83	1.00	1.14	1.38	1.56	1.96
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.47	.56	.61	.66	.75	.88	1.01	1.14	1.31	1.72
6-18	.49	.56	.59	.63	.68	.74	.80	.90	1.03	1.27
6-19	.48	.55	.59	.63	.69	.77	.85	.97	1.09	1.28
6-20	.47	.55	.60	.65	.72	.83	.94	1.11	1.29	1.65
6-21	.48	.56	.60	.65	.71	.81	.89	1.00	1.13	1.53
6-22	.46	.53	.58	.62	.68	.76	.84	1.02	1.16	1.41
6-23	.49	.56	.60	.64	.69	.77	.85	.97	1.09	1.29
6-25	.46	.55	.59	.64	.71	.86	1.05	1.27	1.49	1.84
6-27	.45	.53	.58	.62	.69	.79	.89	1.03	1.23	1.68
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.62	0.81	0.96	1.23	1.67	2.02	2.47	2.67	2.84	2.94
5-16	.61	.78	.88	1.01	1.26	1.48	1.71	1.99	2.36	2.82
5-19	.69	1.01	1.27	1.52	1.89	2.23	2.50	2.86	3.39	3.51
5-21	.66	.81	.92	1.07	1.37	1.70	1.94	2.61	2.84	2.94
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.69	.92	1.11	1.33	1.74	2.03	2.20	2.43	2.71	2.90
5-27	.62	.74	.83	.94	1.11	1.36	1.63	2.39	2.59	2.84
5-28	.80	1.20	1.54	1.89	2.56	3.03	3.30	3.43	3.50	3.60
5-29	.65	.82	.99	1.19	1.58	2.09	2.43	2.57	2.71	3.41
5-30	.55	.65	.71	.80	.94	1.13	1.27	1.44	1.67	2.38
6- 1	.53	.64	.71	.78	.89	1.02	1.19	1.46	1.55	1.68
6- 3	.55	.67	.75	.86	1.13	1.57	2.03	2.39	2.45	2.52
6- 5	.64	.79	.96	1.18	1.72	2.55	3.03	3.38	3.46	3.56
6- 7	.55	.65	.71	.77	.87	1.02	1.16	1.40	1.85	2.91
6- 9	.68	1.04	1.38	1.84	2.36	2.88	3.13	3.38	3.46	3.56
6-10	.58	.71	.84	.98	1.25	1.71	1.85	2.17	2.42	2.50
6-11	.59	.82	.97	1.18	1.52	1.80	2.01	2.26	2.48	2.77
6-12	.58	.72	.83	.97	1.20	1.71	1.98	2.21	2.45	2.85
6-13	.70	.96	1.19	1.43	1.73	2.13	2.46	2.71	3.40	3.52
6-14	.70	1.03	1.40	1.72	1.97	2.36	2.65	2.92	3.08	3.30
6-15	.71	1.01	1.19	1.43	1.66	2.19	2.53	2.86	3.05	3.31
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.64	.86	1.02	1.15	1.47	1.86	2.12	2.47	2.83	2.93
6-18	.58	.68	.76	.86	1.12	1.52	1.94	2.26	2.54	2.87
6-19	.58	.69	.78	.89	1.07	1.31	1.52	1.85	2.55	2.87
6-20	.63	.82	.98	1.19	1.53	1.94	2.32	2.94	3.17	3.42
6-21	.64	.82	.97	1.19	1.81	2.70	3.38	3.46	3.53	3.62
6-22	.57	.70	.81	.97	1.19	1.45	1.64	1.89	2.03	2.09
6-23	.58	.69	.77	.87	1.04	1.26	1.48	1.71	1.82	1.96
6-25	.65	.96	1.20	1.38	1.73	2.00	2.33	2.51	2.65	3.37
6-27	.61	.80	.97	1.21	1.71	2.07	2.43	2.66	2.84	2.94
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 202.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 0985, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.46	0.56	0.63	0.69	0.80	0.93	1.04	1.19	1.41	1.76
5-16	.49	.55	.59	.63	.68	.74	.81	.89	.98	1.07
5-19	.48	.57	.61	.66	.73	.83	.92	1.05	1.21	1.45
5-21	.51	.58	.62	.66	.71	.80	.87	.97	1.13	1.38
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.49	.60	.66	.72	.80	.92	1.04	1.20	1.44	1.81
5-27	.47	.55	.59	.63	.69	.78	.88	1.02	1.21	1.41
5-28	.50	.59	.63	.68	.78	.92	1.06	1.30	1.54	2.00
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.47	.55	.60	.65	.72	.83	.96	1.15	1.40	1.92
6- 1	.45	.56	.62	.68	.77	.90	1.04	1.30	1.75	2.34
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5	.45	.54	.59	.65	.73	.84	.97	1.16	1.33	1.63
6- 7	.46	.55	.60	.64	.71	.81	.89	.97	1.06	1.19
6- 9	.48	.57	.62	.67	.76	.89	1.04	1.29	1.54	1.90
6-10	.43	.51	.56	.60	.67	.76	.85	.99	1.22	1.38
6-11	.40	.47	.51	.55	.61	.68	.74	.83	.99	1.23
6-12	.47	.55	.59	.64	.70	.80	.90	1.06	1.24	1.56
6-13	.47	.56	.61	.66	.75	.87	1.01	1.21	1.42	1.71
6-14	.45	.53	.58	.62	.69	.79	.89	1.03	1.24	1.57
6-15	.46	.54	.59	.63	.70	.79	.88	1.01	1.16	1.45
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.44	.52	.56	.60	.66	.72	.79	.87	.96	1.11
6-18	.46	.54	.59	.64	.71	.80	.89	1.02	1.23	1.60
6-19	.45	.53	.58	.62	.68	.78	.87	.98	1.10	1.36
6-20	.39	.47	.52	.56	.63	.70	.77	.86	.96	1.16
6-21	.48	.56	.60	.64	.70	.80	.89	1.01	1.14	1.28
6-22	.48	.54	.57	.60	.64	.68	.73	.80	.90	1.08
6-23	.43	.51	.56	.60	.66	.75	.84	.98	1.17	1.68
6-25	.44	.52	.57	.62	.69	.81	.91	1.08	1.27	1.59
6-27	.47	.55	.59	.63	.69	.78	.87	1.02	1.14	1.34
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.68	0.91	1.06	1.24	1.61	1.90	2.35	2.58	2.77	2.91
5-16	.55	.64	.69	.75	.85	.97	1.05	1.14	1.25	1.69
5-19	.61	.76	.87	.98	1.22	1.49	1.73	2.04	2.41	2.49
5-21	.62	.75	.86	.99	1.33	1.88	2.76	3.05	3.27	3.45
5-22(1)	--	--	--	--	--	--	--	--	--	--
5-24(1)	--	--	--	--	--	--	--	--	--	--
5-26	.72	.96	1.15	1.42	1.86	2.52	2.83	3.16	3.39	3.51
5-27	.61	.78	.94	1.18	1.59	2.04	2.89	3.08	3.25	3.43
5-28	.70	.99	1.25	1.49	1.93	2.26	2.95	3.39	3.47	3.57
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.65	.87	1.08	1.34	1.80	2.35	2.60	2.88	3.11	3.39
6- 1	.74	1.07	1.43	1.85	2.26	2.59	2.93	3.42	3.50	3.59
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5	.65	.89	1.10	1.31	1.73	2.47	2.87	3.03	3.19	3.38
6- 7	.58	.70	.79	.87	.98	1.13	1.29	1.65	1.90	2.27
6- 9	.70	1.03	1.31	1.57	1.98	2.53	3.03	3.39	3.46	3.57
6-10	.56	.70	.82	.97	1.25	1.43	1.79	2.11	2.35	2.46
6-11	.49	.62	.70	.80	1.08	1.36	1.70	2.01	2.06	2.12
6-12	.61	.77	.92	1.10	1.44	1.76	1.99	2.41	2.68	3.44
6-13	.67	.91	1.13	1.35	1.66	2.11	2.85	3.02	3.17	3.37
6-14	.59	.75	.88	1.04	1.36	1.68	1.89	2.06	2.16	2.29
6-15	.58	.72	.82	.94	1.15	1.45	1.65	2.02	2.07	2.13
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.54	.66	.74	.82	1.00	1.35	2.32	3.17	3.40	3.52
6-18	.63	.81	.97	1.25	1.68	2.29	2.84	3.04	3.21	3.41
6-19	.58	.71	.84	.95	1.16	1.49	1.65	2.98	3.34	3.48
6-20	.49	.64	.73	.83	1.06	1.41	2.52	2.86	2.93	3.01
6-21	.58	.70	.79	.88	1.05	1.22	1.32	1.45	1.61	2.25
6-22	.53	.62	.67	.72	.85	1.10	1.34	1.65	2.34	2.92
6-23	.60	.83	1.05	1.40	2.00	2.48	2.99	3.37	3.45	3.56
6-25	.62	.86	1.06	1.29	1.78	2.35	3.07	3.37	3.45	3.55
6-27	.61	.76	.90	1.07	1.35	2.08	2.85	2.91	2.97	3.05
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 203.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1038, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.45	0.55	0.61	0.67	0.79	0.92	1.04	1.19	1.45	1.75
5-16	.49	.57	.61	.65	.71	.80	.88	1.02	1.19	1.33
5-19	.43	.51	.56	.60	.67	.74	.81	.92	1.08	1.43
5-21	.47	.56	.60	.65	.73	.84	1.02	1.28	1.53	1.80
5-22	.52	.61	.66	.71	.81	.91	.99	1.16	1.31	1.53
5-24	.45	.55	.60	.65	.74	.86	1.01	1.27	1.57	2.00
5-26(1)	---	---	---	---	---	---	---	---	---	---
5-27	.52	.61	.65	.69	.77	.87	.95	1.05	1.14	1.46
5-28	.45	.53	.58	.62	.68	.77	.85	.94	1.04	1.18
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.50	.57	.61	.64	.70	.77	.82	.91	.99	1.15
6- 1	.42	.50	.55	.59	.66	.73	.80	.90	1.02	1.25
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5(2)	---	---	---	---	---	---	---	---	---	---
6- 7(2)	---	---	---	---	---	---	---	---	---	---
6- 9	.42	.51	.57	.62	.69	.82	.96	1.18	1.40	2.04
6-10	.45	.52	.56	.60	.65	.71	.77	.85	.93	1.06
6-11	.45	.55	.61	.67	.77	.92	1.09	1.30	1.48	1.79
6-12	.49	.59	.65	.70	.82	.99	1.17	1.54	2.02	2.74
6-13	.46	.54	.58	.62	.68	.76	.82	.94	1.09	1.32
6-14	.51	.60	.65	.70	.80	.92	1.06	1.29	1.59	2.14
6-15	.47	.53	.57	.60	.64	.69	.74	.83	.97	1.21
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.44	.54	.59	.65	.73	.83	.94	1.11	1.28	1.47
6-18	.48	.56	.60	.64	.70	.84	.95	1.13	1.37	1.71
6-19	.47	.54	.58	.62	.67	.75	.82	.92	1.04	1.22
6-20	.46	.53	.57	.61	.67	.74	.82	.92	1.03	1.24
6-21	.53	.61	.65	.69	.77	.87	.97	1.09	1.20	1.35
6-22	.45	.51	.54	.57	.62	.67	.71	.80	.88	1.04
6-23	.46	.53	.57	.61	.67	.75	.82	.95	1.09	1.32
6-25	.45	.51	.55	.58	.63	.68	.74	.82	.89	.97
6-27	.46	.53	.57	.61	.67	.74	.81	.93	1.07	1.33
6-29(1)	---	---	---	---	---	---	---	---	---	---

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.66	0.89	1.03	1.18	1.52	1.77	1.90	2.06	2.22	3.40
5-16	.59	.70	.79	.90	1.09	1.27	1.38	1.54	1.71	2.02
5-19	.56	.70	.81	.96	1.36	1.73	2.08	2.34	2.43	2.50
5-21	.64	.86	1.11	1.32	1.63	1.80	1.92	2.12	2.41	2.69
5-22	.66	.82	.92	1.02	1.24	1.45	1.61	1.82	2.02	2.21
5-24	.70	1.05	1.39	1.68	2.08	2.56	3.31	3.44	3.51	3.61
5-26(1)	---	---	---	---	---	---	---	---	---	---
5-27	.64	.77	.87	.96	1.10	1.44	1.63	1.91	2.03	2.10
5-28	.55	.66	.74	.82	.94	1.09	1.21	1.41	1.53	1.73
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.57	.67	.72	.79	.89	1.02	1.17	1.30	1.69	1.75
6- 1	.52	.64	.72	.80	.95	1.19	1.38	1.47	1.54	1.62
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5(2)	---	---	---	---	---	---	---	---	---	---
6- 7(2)	---	---	---	---	---	---	---	---	---	---
6- 9	.64	.95	1.21	1.48	2.07	2.31	2.48	2.66	2.84	3.37
6-10	.52	.62	.67	.74	.84	.97	1.11	1.34	1.52	2.40
6-11	.67	.93	1.16	1.32	1.55	1.90	2.11	2.29	2.46	2.69
6-12	.80	1.24	1.65	2.02	2.39	3.01	3.37	3.45	3.52	3.62
6-13	.58	.70	.80	.92	1.21	1.70	1.95	2.17	2.35	2.46
6-14	.74	1.01	1.30	1.66	2.14	2.58	2.89	3.02	3.14	3.31
6-15	.56	.67	.77	.97	1.47	2.44	2.68	3.01	3.36	3.49
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.60	.76	.87	1.00	1.22	1.43	1.53	1.65	1.87	2.05
6-18	.65	.90	1.11	1.40	1.81	2.32	2.86	3.03	3.18	3.38
6-19	.55	.66	.73	.81	.97	1.17	1.37	1.65	1.72	1.77
6-20	.55	.66	.73	.84	.99	1.23	1.46	1.71	1.82	1.98
6-21	.64	.77	.87	.98	1.14	1.32	1.53	1.91	2.23	2.44
6-22	.51	.61	.66	.73	.90	1.20	1.56	2.36	3.44	3.55
6-23	.56	.68	.78	.90	1.14	1.42	1.72	2.05	2.16	2.32
6-25	.51	.60	.65	.70	.82	.94	1.08	1.76	1.88	2.41
6-27	.57	.70	.81	.97	1.32	1.90	2.41	2.78	2.89	2.98
6-29(1)	---	---	---	---	---	---	---	---	---	---

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 204.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1077, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.52	0.60	0.65	0.69	0.77	0.88	0.99	1.16	1.39	1.77
5-16	.47	.55	.60	.64	.71	.80	.87	.99	1.06	1.15
5-19	.48	.56	.59	.63	.69	.76	.83	.91	.98	1.14
5-21	.52	.60	.65	.69	.77	.87	.98	1.11	1.23	1.46
5-22	.49	.56	.61	.65	.71	.80	.89	1.03	1.20	1.46
5-24	.48	.55	.59	.63	.69	.76	.83	.93	1.04	1.27
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.54	.61	.65	.68	.74	.83	.91	.99	1.08	1.22
5-28	.47	.55	.60	.64	.71	.78	.85	.96	1.05	1.16
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.51	.57	.60	.63	.68	.74	.81	.92	1.01	1.11
6- 1	.46	.54	.58	.62	.67	.73	.79	.85	.91	1.01
6- 3	.52	.60	.64	.68	.75	.86	1.00	1.25	1.55	2.00
6- 5	.45	.53	.57	.62	.68	.76	.85	.97	1.12	1.32
6- 7	.46	.55	.60	.66	.74	.85	.94	1.09	1.26	1.51
6- 9	.44	.52	.57	.61	.68	.75	.81	.90	1.00	1.27
6-10	.46	.54	.58	.62	.69	.77	.85	.98	1.13	1.38
6-11	.44	.53	.58	.62	.69	.79	.88	1.02	1.13	1.41
6-12	.46	.56	.62	.68	.77	.91	1.04	1.16	1.39	1.71
6-13	.51	.59	.64	.69	.77	.86	.98	1.16	1.35	1.64
6-14	.46	.53	.57	.61	.67	.73	.80	.88	.97	1.25
6-15	.47	.55	.60	.64	.70	.80	.91	1.07	1.26	1.62
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.46	.53	.58	.62	.67	.74	.81	.91	1.03	1.23
6-18	.47	.55	.59	.64	.70	.80	.88	.97	1.09	1.30
6-19	.47	.55	.59	.63	.68	.76	.84	.98	1.15	1.44
6-20	.45	.52	.56	.60	.66	.73	.80	.90	1.01	1.21
6-21	.49	.56	.59	.63	.68	.74	.82	.94	1.05	1.21
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.45	.52	.56	.60	.65	.70	.78	.89	1.01	1.34
6-25	.44	.52	.56	.61	.68	.75	.81	.93	1.08	1.33
6-27	.44	.52	.57	.61	.67	.75	.83	.93	1.04	1.21
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.66	0.84	0.98	1.16	1.50	1.81	1.99	2.28	2.42	2.50
5-16	.56	.68	.74	.81	.93	1.04	1.10	1.18	1.21	1.25
5-19	.56	.65	.71	.78	.88	.99	1.12	1.25	1.34	1.52
5-21	.65	.80	.92	1.05	1.25	1.58	1.85	2.27	3.12	3.43
5-22	.62	.76	.89	1.06	1.35	1.79	2.15	2.44	2.59	2.81
5-24	.57	.68	.75	.84	1.00	1.28	1.58	1.85	2.09	2.88
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.63	.74	.83	.91	1.05	1.31	2.01	2.11	2.20	2.31
5-28	.56	.67	.74	.80	.91	1.03	1.12	1.21	1.27	1.35
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.57	.65	.70	.78	.90	1.04	1.13	1.31	1.57	2.05
6- 1	.54	.65	.70	.76	.86	.99	1.23	1.88	3.43	3.54
6- 3	.68	.94	1.21	1.52	1.91	2.28	2.50	2.71	2.86	2.95
6- 5	.57	.71	.82	.96	1.22	1.54	2.01	2.35	2.79	3.48
6- 7	.62	.81	.93	1.08	1.35	1.67	1.96	2.40	2.85	2.95
6- 9	.56	.69	.78	.87	1.16	1.56	1.97	2.44	3.38	3.49
6-10	.57	.69	.79	.90	1.11	1.37	1.56	1.74	1.87	2.02
6-11	.59	.75	.88	1.03	1.29	1.81	2.11	2.35	2.56	2.83
6-12	.66	.89	1.05	1.18	1.52	1.89	2.29	2.58	2.80	2.92
6-13	.66	.82	.97	1.16	1.43	1.73	1.90	2.48	2.83	2.94
6-14	.56	.67	.75	.84	1.06	1.46	1.81	2.15	3.39	3.51
6-15	.64	.85	1.08	1.35	1.91	2.88	3.09	3.34	3.44	3.55
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.55	.67	.74	.82	1.00	1.24	1.50	1.84	2.01	2.08
6-18	.58	.70	.80	.90	1.06	1.31	1.53	1.92	2.12	2.31
6-19	.60	.75	.90	1.11	1.53	1.91	3.04	3.41	3.49	3.59
6-20	.53	.64	.71	.79	.93	1.14	1.29	1.45	1.63	1.85
6-21	.59	.69	.80	.94	1.17	2.00	2.38	2.98	3.34	3.48
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.55	.67	.78	.93	1.31	1.72	1.97	2.42	3.37	3.49
6-25	.57	.72	.82	.98	1.31	1.78	2.47	2.64	2.80	3.47
6-27	.54	.66	.74	.83	.98	1.17	1.33	1.69	1.78	1.90
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 205.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1120, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.50	0.59	0.63	0.68	0.77	0.90	1.02	1.16	1.29	1.44
5-16	.50	.58	.63	.68	.75	.85	1.01	1.36	1.68	2.04
5-19	.44	.51	.55	.59	.64	.71	.77	.84	.95	1.19
5-21	.47	.53	.56	.59	.64	.68	.74	.83	.92	1.10
5-22	.54	.61	.65	.69	.77	.85	.94	1.07	1.19	1.41
5-24	.47	.55	.59	.63	.69	.78	.87	.97	1.10	1.33
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.52	.60	.65	.69	.77	.87	.98	1.12	1.27	1.48
5-28	.51	.63	.71	.78	.90	1.05	1.16	1.33	1.52	1.77
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.47	.57	.63	.69	.78	.91	1.03	1.19	1.35	1.60
6- 1	.46	.53	.57	.61	.66	.73	.79	.87	.97	1.16
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5	.42	.51	.56	.61	.69	.77	.83	.93	1.07	1.37
6- 7	.46	.52	.56	.59	.63	.68	.73	.81	.90	1.03
6- 9	.44	.53	.58	.63	.70	.81	.92	1.12	1.31	1.63
6-10	.46	.54	.58	.63	.69	.79	.88	1.01	1.21	1.44
6-11	.45	.52	.56	.60	.65	.72	.80	.92	1.09	1.37
6-12	.47	.56	.62	.67	.76	.91	1.05	1.27	1.59	2.17
6-13	.48	.57	.62	.66	.73	.83	.95	1.07	1.16	1.41
6-14	.51	.59	.63	.68	.75	.85	.94	1.07	1.24	1.51
6-15	.47	.57	.63	.69	.81	.95	1.11	1.33	1.60	2.07
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.49	.56	.60	.63	.68	.77	.85	.98	1.13	1.45
6-18	.47	.54	.57	.61	.66	.72	.77	.84	.90	.99
6-19	.47	.53	.57	.61	.66	.71	.77	.84	.95	1.13
6-20	.48	.56	.60	.64	.69	.78	.86	1.00	1.17	1.36
6-21	.50	.57	.61	.65	.71	.81	.92	1.11	1.28	1.53
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.48	.56	.61	.65	.72	.83	.93	1.07	1.26	1.58
6-25	.45	.54	.58	.63	.69	.80	.89	1.03	1.19	1.43
6-27	.44	.52	.57	.61	.68	.78	.88	1.00	1.13	1.29
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.63	0.79	0.91	1.03	1.18	1.34	1.45	1.53	1.61	1.79
5-16	.70	1.04	1.38	1.67	1.97	2.42	2.57	2.74	2.93	3.27
5-19	.53	.66	.74	.83	1.13	1.67	2.15	2.33	2.60	2.88
5-21	.54	.64	.70	.82	1.07	1.66	2.82	3.18	3.40	3.52
5-22	.65	.77	.86	.97	1.15	1.41	1.64	2.07	2.20	2.83
5-24	.58	.71	.83	.93	1.16	1.67	1.89	2.06	2.17	2.31
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.64	.78	.88	1.00	1.18	1.42	1.54	1.68	2.00	2.08
5-28	.75	.97	1.09	1.22	1.46	1.72	1.90	2.12	2.32	2.61
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.66	.84	.99	1.13	1.35	1.62	1.83	2.05	2.23	3.42
6- 1	.53	.63	.69	.75	.86	1.04	1.20	1.32	1.45	1.69
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5	.56	.72	.82	.94	1.29	1.79	2.05	2.24	2.45	2.85
6- 7	.52	.60	.65	.69	.79	.93	1.06	1.36	1.54	1.70
6- 9	.60	.79	.96	1.17	1.43	1.78	2.03	2.19	2.34	2.75
6-10	.59	.73	.85	.98	1.26	1.56	1.81	2.01	2.06	2.12
6-11	.57	.71	.84	1.07	1.46	2.07	2.31	2.88	2.94	3.03
6-12	.73	1.10	1.40	1.80	2.50	2.90	3.04	3.20	3.35	3.48
6-13	.62	.77	.90	1.03	1.19	1.56	2.02	2.32	2.53	2.81
6-14	.65	.81	.94	1.10	1.44	1.86	2.48	2.67	2.84	2.94
6-15	.74	1.05	1.30	1.58	2.04	2.32	2.84	3.12	3.37	3.49
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.59	.70	.81	.94	1.18	1.51	1.72	1.91	2.02	2.09
6-18	.54	.62	.67	.73	.81	.92	1.03	1.32	1.53	2.40
6-19	.53	.62	.67	.72	.82	.97	1.11	1.23	1.29	1.37
6-20	.59	.71	.81	.95	1.19	1.41	1.62	2.26	2.43	2.51
6-21	.62	.77	.91	1.10	1.34	1.64	1.95	2.14	2.28	2.43
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.65	.86	1.04	1.31	1.81	2.70	3.02	3.34	3.44	3.55
6-25	.57	.71	.82	.94	1.14	1.37	1.51	1.66	2.03	2.27
6-27	.55	.69	.79	.90	1.07	1.25	1.39	1.65	1.89	2.25
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 206.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1155, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.46	0.53	0.58	0.62	0.68	0.77	0.86	0.99	1.15	1.58
5-16	.45	.53	.57	.61	.67	.73	.80	.87	.94	1.05
5-19	.44	.50	.54	.57	.62	.68	.73	.83	.94	1.11
5-21	.52	.59	.63	.67	.74	.86	.99	1.19	1.43	1.71
5-22	.50	.57	.61	.65	.71	.81	.91	1.04	1.15	1.41
5-24	.46	.55	.60	.64	.71	.79	.85	.96	1.09	1.32
5-26(1)	---	---	---	---	---	---	---	---	---	---
5-27	.45	.53	.58	.63	.70	.81	.89	1.00	1.10	1.29
5-28	.45	.53	.58	.62	.68	.77	.86	.98	1.11	1.33
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.54	.60	.64	.68	.73	.81	.88	.97	1.09	1.28
6- 1	.44	.50	.54	.58	.63	.68	.73	.80	.86	.97
6- 3	.50	.56	.59	.62	.66	.70	.74	.80	.85	.95
6- 5	.43	.50	.54	.58	.63	.69	.74	.80	.88	1.01
6- 7	.49	.57	.61	.65	.72	.84	.94	1.11	1.27	1.50
6- 9	.46	.54	.59	.63	.70	.80	.90	1.07	1.24	1.46
6-10	.50	.57	.62	.66	.73	.83	.93	1.05	1.16	1.32
6-11	.42	.52	.57	.63	.71	.82	.92	1.07	1.28	1.57
6-12	.47	.55	.61	.65	.74	.87	.97	1.10	1.25	1.59
6-13	.46	.56	.61	.66	.74	.83	.93	1.09	1.27	1.54
6-14	.52	.59	.63	.67	.74	.82	.92	1.06	1.23	1.60
6-15	.50	.59	.64	.68	.77	.90	1.06	1.29	1.47	1.74
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.46	.54	.59	.63	.69	.82	.95	1.18	1.46	1.84
6-18	.47	.54	.58	.61	.67	.73	.79	.87	.95	1.09
6-19	.49	.56	.61	.65	.71	.80	.88	.99	1.18	1.44
6-20	.45	.53	.57	.61	.68	.77	.87	1.07	1.33	1.68
6-21	.51	.58	.61	.65	.70	.81	.96	1.15	1.34	1.66
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.50	.59	.64	.68	.77	.88	.97	1.13	1.29	1.68
6-25	.42	.49	.54	.58	.65	.72	.82	.94	1.12	1.50
6-27	.44	.53	.57	.62	.69	.77	.83	1.00	1.18	1.40
6-29(1)	---	---	---	---	---	---	---	---	---	---

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.59	0.74	0.87	1.03	1.44	1.79	2.00	2.20	2.39	2.83
5-16	.53	.63	.69	.75	.84	.94	1.05	1.23	1.40	1.69
5-19	.50	.60	.66	.72	.87	1.08	1.26	1.52	1.70	1.76
5-21	.65	.83	1.00	1.19	1.48	1.73	1.86	2.05	2.38	2.46
5-22	.61	.74	.85	.99	1.16	1.47	1.66	2.24	2.42	2.50
5-24	.58	.71	.79	.88	1.07	1.37	1.57	1.88	2.38	2.46
5-26(1)	---	---	---	---	---	---	---	---	---	---
5-27	.57	.71	.81	.91	1.05	1.25	1.45	1.61	3.38	3.50
5-28	.57	.70	.80	.92	1.13	1.42	1.73	2.17	2.52	2.86
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.62	.72	.80	.88	1.02	1.28	1.48	1.96	2.50	2.86
6- 1	.50	.59	.64	.69	.78	.89	1.00	1.26	1.46	1.90
6- 3	.55	.61	.65	.69	.75	.82	.90	1.02	1.12	1.51
6- 5	.49	.59	.64	.69	.78	.90	1.03	1.21	1.40	1.54
6- 7	.62	.79	.92	1.08	1.32	1.61	1.97	2.28	2.51	2.79
6- 9	.59	.73	.86	1.00	1.24	1.46	1.60	1.86	2.07	2.26
6-10	.61	.73	.83	.95	1.10	1.28	1.44	1.73	2.11	2.85
6-11	.60	.79	.92	1.10	1.42	1.70	1.92	2.26	2.51	2.79
6-12	.63	.84	.97	1.12	1.43	1.90	2.27	2.42	2.47	2.54
6-13	.62	.78	.90	1.05	1.33	1.60	1.80	2.06	2.33	2.78
6-14	.64	.78	.91	1.08	1.46	1.85	2.11	2.36	2.43	2.51
6-15	.67	.90	1.12	1.31	1.55	1.85	2.14	2.44	2.56	2.73
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.65	.95	1.24	1.54	1.90	2.38	2.75	3.20	3.41	3.53
6-18	.56	.66	.72	.81	.95	1.29	1.87	2.41	2.46	2.53
6-19	.62	.77	.90	1.07	1.42	1.86	2.58	3.01	3.24	3.44
6-20	.63	.87	1.18	1.50	2.03	2.50	2.87	3.30	3.43	3.54
6-21	.64	.85	1.08	1.29	1.64	2.00	2.74	3.00	3.18	3.40
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.67	.88	1.02	1.25	1.75	2.30	2.57	2.85	3.08	3.38
6-25	.56	.74	.91	1.15	1.60	2.08	2.22	2.85	3.21	3.45
6-27	.60	.76	.90	1.13	1.45	2.12	2.59	3.41	3.49	3.59
6-29(1)	---	---	---	---	---	---	---	---	---	---

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 207.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1202, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.41	0.50	0.55	0.60	0.68	0.78	0.91	1.11	1.33	1.71
5-16	.46	.53	.57	.60	.66	.71	.77	.85	1.00	1.11
5-19	.45	.53	.58	.63	.70	.83	.95	1.18	1.37	1.89
5-21	.51	.58	.62	.65	.71	.79	.87	.99	1.09	1.23
5-22	.49	.57	.62	.66	.73	.83	.94	1.11	1.28	1.51
5-24	.47	.55	.59	.63	.69	.78	.86	.99	1.22	1.55
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.46	.52	.55	.59	.63	.68	.73	.81	.88	.98
5-28	.42	.49	.53	.57	.63	.69	.74	.80	.86	1.00
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.44	.52	.57	.62	.68	.77	.84	.96	1.10	1.27
6- 1	.45	.51	.55	.58	.63	.68	.74	.82	.90	1.01
6- 3	.49	.55	.58	.61	.65	.70	.75	.81	.87	.96
6- 5	.44	.53	.58	.62	.69	.78	.86	1.00	1.13	1.52
6- 7	.47	.55	.59	.64	.70	.78	.85	.93	1.01	1.22
6- 9	.46	.55	.60	.65	.72	.80	.88	1.01	1.14	1.35
6-10	.47	.57	.62	.68	.78	.91	1.05	1.27	1.52	1.85
6-11	.42	.51	.56	.61	.68	.77	.86	.98	1.17	1.49
6-12	.43	.51	.55	.60	.67	.76	.87	1.00	1.20	1.52
6-13	.47	.56	.60	.65	.71	.80	.88	1.06	1.28	1.60
6-14	.54	.61	.64	.68	.74	.83	.92	1.03	1.14	1.37
6-15	.46	.54	.58	.63	.69	.77	.83	.97	1.09	1.36
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.45	.51	.54	.58	.62	.68	.72	.81	.90	1.09
6-18	.48	.54	.57	.61	.65	.70	.78	.89	.99	1.13
6-19	.48	.56	.61	.65	.71	.81	.94	1.16	1.35	1.73
6-20	.45	.53	.57	.61	.67	.74	.83	1.00	1.16	1.37
6-21	.52	.60	.64	.68	.75	.85	.97	1.12	1.28	1.50
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.44	.52	.56	.59	.65	.71	.78	.87	.96	1.09
6-25	.47	.56	.61	.66	.75	.90	1.03	1.20	1.34	1.70
6-27	.47	.56	.61	.65	.72	.80	.89	1.03	1.21	1.62
6-29(1)	--	--	--	--	--	--	--	--	--	--

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.59	0.82	1.04	1.26	1.64	1.88	2.12	2.46	2.67	3.42
5-16	.54	.63	.69	.75	.89	1.07	1.17	1.38	1.91	2.06
5-19	.66	.98	1.27	1.64	2.26	2.67	3.04	3.41	3.48	3.58
5-21	.60	.70	.78	.87	1.03	1.18	1.39	1.73	2.00	2.07
5-22	.62	.76	.87	1.02	1.24	1.46	1.61	1.78	1.93	2.83
5-24	.60	.75	.87	1.06	1.41	1.80	2.26	2.51	2.64	2.82
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.51	.59	.63	.68	.75	.84	.92	1.02	1.10	1.20
5-28	.49	.59	.65	.71	.80	.95	1.13	1.72	1.82	1.95
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.56	.70	.79	.91	1.13	1.35	1.79	2.02	2.52	2.86
6- 1	.50	.59	.63	.68	.77	.88	.97	1.05	1.12	1.22
6- 3	.54	.61	.65	.68	.75	.83	.90	.98	1.05	1.15
6- 5	.57	.72	.83	.97	1.18	1.62	1.75	1.84	1.93	2.16
6- 7	.57	.68	.75	.83	.94	1.14	1.33	1.51	1.65	2.31
6- 9	.59	.74	.82	.93	1.13	1.38	1.65	2.00	2.18	2.85
6-10	.69	.95	1.16	1.39	1.73	2.04	2.35	2.60	2.82	3.35
6-11	.57	.75	.87	1.03	1.39	1.79	2.05	2.35	2.56	2.83
6-12	.57	.75	.91	1.10	1.45	1.84	2.33	2.51	2.64	2.82
6-13	.62	.77	.90	1.12	1.43	1.77	2.00	2.18	2.35	2.77
6-14	.64	.76	.86	.98	1.17	1.54	2.06	2.55	2.87	2.96
6-15	.58	.71	.81	.94	1.18	1.56	1.94	2.41	2.61	2.85
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.51	.60	.66	.71	.85	1.12	1.39	1.62	1.76	1.92
6-18	.55	.64	.69	.77	.93	1.11	1.28	1.61	1.91	2.91
6-19	.64	.83	1.06	1.28	1.66	1.95	2.20	2.58	2.99	3.40
6-20	.59	.76	.96	1.18	1.53	2.54	2.97	3.40	3.48	3.58
6-21	.65	.79	.92	1.07	1.30	1.56	1.80	2.16	2.54	3.44
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.52	.63	.69	.77	.90	1.07	1.25	1.72	2.03	2.39
6-25	.64	.86	1.03	1.17	1.39	1.76	1.98	2.13	2.25	2.41
6-27	.62	.78	.91	1.10	1.46	1.88	2.10	2.41	2.85	2.95
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 208.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1241, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	B4	90	95
5-14	0.47	0.55	0.59	0.63	0.69	0.80	0.90	1.02	1.16	1.41
5-16	.52	.60	.64	.68	.74	.82	.89	.99	1.15	1.35
5-19	.48	.55	.60	.64	.70	.78	.85	1.00	1.25	1.63
5-21	.52	.60	.65	.69	.77	.86	.96	1.11	1.28	1.63
5-22	.50	.58	.62	.66	.74	.88	1.01	1.19	1.40	1.66
5-24	.43	.51	.55	.59	.65	.72	.80	.91	1.02	1.21
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.47	.54	.58	.62	.67	.75	.83	.94	1.06	1.26
5-28	.43	.50	.54	.58	.63	.69	.75	.83	.96	1.14
5-29	.49	.56	.59	.62	.67	.72	.78	.86	.95	1.12
5-30	.48	.55	.59	.63	.68	.76	.82	.95	1.14	1.40
6- 1	.51	.57	.60	.63	.67	.72	.79	.86	.94	1.05
6- 3	.50	.56	.60	.63	.68	.75	.83	.94	1.07	1.29
6- 5	.46	.55	.60	.65	.73	.81	.90	1.02	1.17	1.34
6- 7	.45	.54	.60	.65	.73	.84	.95	1.11	1.28	1.57
6- 9	.43	.52	.58	.63	.71	.89	1.03	1.25	1.45	1.73
6-10	.42	.51	.55	.60	.66	.74	.82	.95	1.16	1.68
6-11	.42	.50	.54	.57	.63	.69	.75	.84	.94	1.15
6-12	.42	.50	.54	.58	.64	.71	.78	.90	1.05	1.31
6-13	.46	.53	.56	.60	.65	.70	.78	.91	1.04	1.19
6-14	.48	.54	.58	.61	.66	.72	.77	.84	.95	1.13
6-15	.41	.49	.54	.59	.66	.75	.87	1.04	1.29	1.71
6-16	.47	.54	.58	.61	.66	.73	.80	.91	1.03	1.14
6-17	.45	.52	.56	.59	.64	.70	.77	.86	.97	1.19
6-18	.50	.57	.61	.64	.69	.76	.82	.92	1.03	1.22
6-19	.49	.56	.60	.64	.70	.78	.86	.99	1.11	1.30
6-20	.50	.57	.61	.65	.71	.82	.92	1.08	1.31	1.63
6-21	.51	.59	.64	.68	.77	.90	1.04	1.23	1.39	1.65
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.44	.52	.56	.60	.66	.73	.82	.97	1.13	1.40
6-25	.43	.52	.57	.62	.69	.79	.90	1.07	1.39	1.87
6-27	.49	.57	.62	.66	.73	.84	.97	1.13	1.29	1.56
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.58	0.70	0.84	0.95	1.13	1.40	1.66	1.72	1.76	1.80
5-16	.62	.74	.81	.90	1.07	1.32	1.65	1.75	1.81	1.90
5-19	.60	.74	.85	1.04	1.44	1.73	1.93	2.16	2.38	2.83
5-21	.67	.83	.98	1.16	1.55	2.03	2.61	2.88	2.94	3.02
5-22	.66	.91	1.11	1.33	1.64	2.19	2.63	2.95	3.14	3.38
5-24	.56	.72	.87	1.06	1.57	3.37	3.44	3.51	3.57	3.65
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.60	.75	.90	1.08	1.87	2.63	2.85	2.91	2.97	3.05
5-28	.51	.62	.69	.76	.94	1.18	1.38	1.98	2.16	2.38
5-29	.55	.64	.68	.73	.83	.96	1.11	1.23	1.30	1.39
5-30	.60	.74	.86	1.09	1.45	2.18	2.85	2.92	2.97	3.05
6- 1	.56	.64	.68	.73	.82	.93	1.03	1.15	1.31	1.56
6- 3	.59	.68	.78	.90	1.13	1.43	1.75	2.43	3.37	3.49
6- 5	.60	.74	.83	.96	1.17	1.40	1.64	2.22	2.75	3.47
6- 7	.61	.79	.93	1.08	1.32	1.66	1.84	2.06	2.25	2.43
6- 9	.65	.95	1.16	1.36	1.64	2.03	2.27	2.96	3.14	3.38
6-10	.61	.84	1.15	1.70	2.51	3.36	3.43	3.50	3.56	3.65
6-11	.50	.61	.67	.75	.89	1.13	1.34	1.56	1.87	2.06
6-12	.54	.68	.79	.96	1.31	1.86	2.28	2.83	2.90	2.99
6-13	.55	.67	.77	.93	1.17	1.79	2.28	2.84	2.91	2.99
6-14	.55	.64	.70	.77	.91	1.16	1.47	1.72	1.92	2.91
6-15	.58	.80	.99	1.27	1.67	2.01	2.14	2.31	2.49	2.77
6-16	.56	.66	.73	.82	1.02	1.18	1.70	2.03	2.16	2.35
6-17	.53	.64	.70	.80	.98	1.28	1.58	1.93	2.13	2.36
6-18	.59	.69	.76	.84	1.03	1.31	1.80	2.17	2.38	2.47
6-19	.60	.72	.83	.97	1.20	1.68	2.15	2.69	2.88	2.98
6-20	.64	.81	.96	1.21	1.55	2.13	2.41	2.64	2.84	2.94
6-21	.66	.85	1.02	1.20	1.41	1.69	1.90	2.12	2.31	2.90
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.57	.73	.90	1.12	1.55	2.04	2.46	3.00	3.26	3.45
6-25	.64	.91	1.22	1.69	1.97	2.53	2.91	3.06	3.19	3.37
6-27	.63	.79	.93	1.08	1.32	1.59	1.80	2.05	2.27	2.44
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 209.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1284, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.46	0.54	0.59	0.63	0.69	0.80	0.90	1.04	1.28	1.68
5-16	.50	.59	.65	.70	.78	.88	.98	1.14	1.30	1.51
5-19	.46	.53	.57	.61	.66	.74	.83	.92	1.01	1.18
5-21	.47	.55	.59	.63	.69	.79	.89	1.06	1.34	1.90
5-22	.48	.56	.61	.65	.73	.85	.98	1.26	1.68	2.29
5-24	.46	.53	.56	.60	.66	.72	.79	.91	1.04	1.34
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.51	.57	.60	.62	.66	.71	.78	.86	.91	.99
5-28	.44	.52	.56	.60	.66	.74	.82	.92	1.02	1.25
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.49	.57	.62	.67	.75	.86	.95	1.08	1.22	1.46
6- 1	.43	.51	.55	.59	.65	.73	.82	.90	.97	1.17
6- 3	.49	.56	.61	.65	.72	.82	.92	1.08	1.24	1.49
6- 5	.50	.59	.63	.68	.76	.87	.96	1.10	1.28	1.52
6- 7	.46	.54	.59	.64	.71	.82	.93	1.11	1.31	1.61
6- 9	.43	.52	.57	.62	.70	.81	.94	1.12	1.33	1.68
6-10	.43	.51	.55	.60	.66	.75	.87	1.05	1.24	1.66
6-11	.42	.50	.54	.58	.64	.71	.78	.89	1.01	1.29
6-12	.40	.48	.53	.57	.64	.72	.79	.91	1.07	1.41
6-13	.46	.53	.56	.60	.65	.71	.77	.85	.98	1.19
6-14	.47	.53	.56	.60	.64	.69	.75	.83	.89	.98
6-15	.45	.52	.57	.61	.67	.75	.84	1.03	1.33	1.86
6-16	.46	.54	.60	.64	.72	.88	1.09	1.69	2.17	2.74
6-17	.47	.55	.59	.63	.69	.78	.85	.96	1.09	1.33
6-18	.51	.59	.64	.68	.77	.92	1.11	1.47	1.75	2.16
6-19	.46	.55	.59	.63	.70	.79	.88	1.03	1.19	1.56
6-20	.45	.52	.56	.59	.65	.71	.78	.88	1.00	1.20
6-21	.49	.57	.62	.67	.75	.87	1.01	1.26	1.52	2.03
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.48	.56	.61	.65	.72	.84	.99	1.27	1.68	2.17
6-25	.46	.54	.58	.63	.69	.77	.84	.94	1.06	1.34
6-27	.48	.55	.59	.63	.68	.75	.82	.93	1.05	1.29
6-29(1)	—	—	—	—	—	—	—	—	—	—

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.61	0.79	0.93	1.13	1.52	1.92	2.09	2.22	2.35	2.76
5-16	.65	.79	.90	1.02	1.24	1.45	1.61	1.81	2.00	2.07
5-19	.55	.66	.74	.85	.99	1.24	1.53	2.01	2.40	2.48
5-21	.65	.90	1.22	1.70	2.20	2.83	2.95	3.08	3.21	3.37
5-22	.71	1.15	1.60	2.01	2.43	2.84	3.06	3.33	3.44	3.54
5-24	.57	.70	.84	1.04	1.57	2.19	2.61	2.88	2.94	3.02
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.56	.63	.67	.70	.81	.90	.97	1.13	1.35	1.52
5-28	.55	.68	.77	.88	1.09	1.43	1.92	2.43	2.48	2.55
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.64	.81	.94	1.08	1.34	2.02	2.26	2.47	2.60	2.79
6- 1	.52	.64	.72	.82	.94	1.17	1.36	1.82	2.13	2.37
6- 3	.61	.76	.88	1.03	1.27	1.52	1.70	2.03	2.26	2.44
6- 5	.63	.78	.89	1.00	1.20	1.46	1.60	1.74	1.84	1.99
6- 7	.64	.86	1.07	1.32	1.70	2.34	2.91	3.35	3.44	3.55
6- 9	.61	.83	1.03	1.24	1.59	2.04	2.26	2.64	3.04	3.42
6-10	.60	.83	1.07	1.37	1.82	2.47	2.86	3.13	3.37	3.49
6-11	.52	.64	.72	.83	1.04	1.36	1.54	1.84	2.16	2.41
6-12	.52	.69	.80	.97	1.36	1.78	1.97	2.12	2.25	2.86
6-13	.55	.66	.73	.82	1.07	1.42	2.03	2.49	2.90	3.26
6-14	.53	.61	.66	.71	.82	.95	1.21	1.47	1.67	2.40
6-15	.63	.92	1.32	1.71	2.29	2.74	3.04	3.37	3.45	3.56
6-16	.80	1.62	2.00	2.27	2.60	2.95	3.22	3.41	3.49	3.59
6-17	.58	.70	.80	.90	1.11	1.42	1.63	1.96	2.34	3.41
6-18	.73	1.12	1.48	1.72	2.08	2.44	2.79	3.08	3.34	3.48
6-19	.62	.80	.96	1.18	1.68	2.21	2.54	2.92	3.23	3.45
6-20	.53	.65	.71	.81	1.02	1.35	1.63	1.85	2.05	2.38
6-21	.69	1.00	1.29	1.59	2.11	2.60	2.89	3.17	3.39	3.51
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.69	1.04	1.39	1.75	2.14	2.49	2.67	2.86	2.97	3.13
6-25	.59	.74	.86	1.00	1.44	2.34	2.59	2.87	3.20	3.45
6-27	.57	.68	.76	.86	1.06	1.36	1.64	1.98	2.38	2.50
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 210.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1315, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.48	0.56	0.60	0.64	0.70	0.78	0.86	0.95	1.06	1.26
5-16	.56	.64	.69	.75	.86	.99	1.10	1.25	1.46	1.74
5-19	.47	.55	.60	.64	.71	.83	.99	1.20	1.38	1.79
5-21	.46	.53	.58	.61	.67	.75	.82	.98	1.12	1.35
5-22	.48	.56	.60	.64	.70	.78	.84	1.05	1.23	1.80
5-24	.46	.53	.57	.61	.66	.74	.82	.95	1.08	1.28
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.46	.55	.61	.66	.73	.82	.90	1.01	1.13	1.35
5-28	.45	.51	.55	.59	.64	.69	.76	.87	.99	1.26
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.52	.60	.64	.68	.76	.86	.98	1.19	1.36	1.59
6- 1	.46	.54	.58	.63	.69	.78	.85	.96	1.08	1.28
6- 3	.52	.60	.65	.70	.78	.87	.95	1.05	1.15	1.29
6- 5	.52	.59	.63	.67	.73	.82	.92	1.05	1.21	1.50
6- 7	.47	.54	.57	.61	.66	.71	.76	.83	.90	1.00
6- 9	.41	.48	.52	.56	.61	.67	.73	.83	.90	.99
6-10	.45	.52	.56	.59	.65	.70	.77	.87	.98	1.28
6-11	.43	.51	.55	.59	.66	.73	.82	.94	1.09	1.33
6-12	.42	.51	.55	.60	.67	.75	.82	.92	1.03	1.21
6-13	.46	.54	.59	.63	.70	.81	.91	1.09	1.31	1.62
6-14	.47	.53	.57	.60	.65	.70	.76	.83	.92	1.07
6-15	.44	.51	.56	.60	.66	.74	.83	.98	1.18	1.50
6-16	.46	.52	.56	.60	.65	.71	.79	.89	1.02	1.27
6-17	.49	.57	.62	.66	.73	.83	.93	1.08	1.25	1.65
6-18	.44	.53	.58	.63	.70	.79	.88	1.03	1.26	1.87
6-19	.47	.54	.58	.62	.68	.75	.83	.94	1.07	1.29
6-20	.41	.51	.56	.62	.70	.82	.91	1.05	1.22	1.45
6-21	.50	.57	.61	.65	.70	.79	.88	1.00	1.15	1.40
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.46	.56	.61	.66	.75	.88	1.04	1.27	1.55	2.28
6-25	.45	.54	.59	.64	.71	.84	.95	1.13	1.37	1.76
6-27	.46	.53	.58	.62	.68	.75	.81	.91	1.01	1.34
6-29(1)	—	—	—	—	—	—	—	—	—	—

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.57	0.68	0.75	0.84	0.96	1.15	1.32	1.48	1.59	1.71
5-16	.70	.90	1.02	1.14	1.38	1.65	1.79	1.95	2.13	2.39
5-19	.65	.90	1.13	1.33	1.74	2.00	2.31	2.86	2.93	3.01
5-21	.60	.76	.94	1.16	1.65	2.85	2.98	3.14	3.28	3.44
5-22	.66	.87	1.19	1.72	2.56	2.94	3.11	3.30	3.42	3.53
5-24	.56	.67	.76	.88	1.09	1.35	1.65	1.94	2.04	2.10
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.60	.74	.83	.94	1.11	1.41	1.69	1.99	2.17	2.85
5-28	.54	.65	.73	.86	1.14	1.59	1.90	2.28	2.60	2.88
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.65	.80	.94	1.12	1.36	1.57	1.76	2.00	2.05	2.11
6- 1	.57	.69	.78	.87	1.04	1.27	1.48	1.80	2.06	2.30
6- 3	.63	.75	.83	.91	1.03	1.18	1.30	1.45	1.60	1.86
6- 5	.63	.75	.86	.99	1.23	1.54	1.75	1.97	2.10	2.26
6- 7	.54	.63	.68	.73	.82	.94	1.10	1.70	1.80	1.93
6- 9	.48	.58	.65	.71	.85	.98	1.16	1.61	2.83	2.93
6-10	.55	.66	.75	.87	1.21	1.77	1.99	2.19	2.38	2.52
6-11	.56	.71	.83	1.01	1.33	1.84	2.39	2.74	3.16	3.45
6-12	.54	.67	.76	.85	1.03	1.32	1.73	2.07	2.19	2.34
6-13	.61	.78	.94	1.14	1.45	1.73	1.89	2.20	2.51	2.83
6-14	.53	.62	.68	.73	.85	1.02	1.26	1.58	1.75	1.91
6-15	.58	.74	.91	1.15	1.54	1.99	2.38	2.74	3.37	3.49
6-16	.55	.67	.77	.91	1.23	1.72	2.45	2.79	3.01	3.30
6-17	.65	.82	1.00	1.19	1.67	2.24	2.57	2.94	3.29	3.47
6-18	.63	.83	1.02	1.37	1.96	2.37	2.84	3.14	3.38	3.50
6-19	.56	.67	.75	.86	1.04	1.29	1.47	1.71	2.03	2.16
6-20	.58	.77	.90	1.04	1.30	1.63	1.94	2.27	2.62	3.03
6-21	.60	.71	.81	.93	1.14	1.41	1.69	1.82	1.94	2.12
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.70	1.06	1.33	1.71	2.34	2.88	3.03	3.22	3.37	3.49
6-25	.63	.87	1.03	1.29	1.70	1.98	2.32	2.63	2.92	3.37
6-27	.56	.68	.76	.85	1.05	1.45	1.61	2.00	2.50	2.95
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 211.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1360, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.46	0.55	0.61	0.66	0.75	0.88	0.98	1.10	1.24	1.76
5-16	.53	.61	.66	.70	.78	.87	.95	1.08	1.25	1.44
5-19	.44	.52	.57	.62	.68	.77	.85	.96	1.11	1.45
5-21	.43	.51	.55	.59	.65	.72	.79	.88	.97	1.14
5-22	.45	.51	.55	.59	.64	.70	.76	.83	.94	1.08
5-24	.46	.53	.57	.61	.66	.73	.81	.92	1.05	1.36
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.45	.53	.58	.62	.69	.78	.87	1.03	1.17	1.44
5-28	.43	.51	.56	.61	.67	.76	.84	.96	1.13	1.53
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.52	.60	.64	.68	.75	.87	.97	1.11	1.25	1.45
6- 1	.46	.54	.58	.62	.68	.76	.83	.91	1.00	1.14
6- 3	.48	.57	.63	.68	.76	.86	.95	1.12	1.25	1.38
6- 5	.51	.58	.62	.66	.71	.78	.84	.96	1.08	1.26
6- 7	.42	.49	.54	.58	.65	.72	.78	.85	.94	1.08
6- 9	.43	.51	.55	.59	.65	.72	.79	.87	.96	1.11
6-10	.44	.52	.57	.61	.67	.76	.87	1.07	1.31	1.65
6-11	.44	.52	.56	.60	.66	.74	.82	.95	1.12	1.58
6-12	.44	.51	.55	.59	.64	.70	.75	.83	.93	1.10
6-13	.47	.55	.60	.64	.70	.78	.85	.95	1.06	1.23
6-14	.45	.52	.56	.59	.65	.70	.76	.84	.93	1.11
6-15	.45	.53	.58	.62	.68	.77	.86	1.03	1.23	1.72
6-16	.49	.56	.60	.63	.69	.77	.84	.94	1.05	1.25
6-17	.47	.56	.61	.65	.72	.81	.89	1.02	1.22	1.51
6-18	.45	.52	.57	.60	.66	.73	.80	.90	1.01	1.19
6-19	.48	.55	.59	.62	.67	.75	.82	.93	1.06	1.36
6-20	.45	.54	.59	.64	.71	.84	.99	1.16	1.33	1.59
6-21	.47	.55	.60	.64	.71	.79	.88	1.04	1.24	1.67
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.47	.54	.58	.61	.67	.73	.81	.92	1.04	1.32
6-25	.45	.53	.57	.61	.67	.74	.82	.94	1.06	1.24
6-27	.47	.53	.56	.60	.65	.70	.75	.82	.90	1.04
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.68	0.93	1.10	1.37	2.11	2.87	2.97	3.10	3.21	3.36
5-16	.64	.77	.85	.94	1.11	1.33	1.45	1.54	1.62	1.71
5-19	.58	.75	.87	1.02	1.44	1.93	2.18	2.58	2.87	2.97
5-21	.52	.64	.71	.79	.92	1.13	1.32	1.59	2.10	2.47
5-22	.52	.62	.68	.75	.88	1.09	1.29	2.00	2.05	2.11
5-24	.56	.69	.80	.94	1.29	1.72	1.98	2.29	2.84	2.94
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.60	.77	.92	1.11	1.45	2.05	2.51	2.71	3.07	3.45
5-28	.58	.76	.91	1.14	1.66	2.25	2.53	2.80	3.13	3.43
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.64	.80	.92	1.05	1.26	1.51	1.83	2.40	2.67	3.44
6- 1	.55	.66	.73	.80	.91	1.06	1.21	1.41	1.74	2.05
6- 3	.62	.76	.86	.96	1.18	1.31	1.41	1.66	1.75	1.86
6- 5	.60	.69	.76	.83	.99	1.18	1.38	1.58	1.72	1.87
6- 7	.50	.62	.70	.77	.88	1.07	1.38	1.78	2.03	2.10
6- 9	.52	.64	.70	.78	.92	1.11	1.36	1.70	1.90	3.43
6-10	.59	.78	.99	1.22	1.57	1.87	2.10	2.34	2.52	2.74
6-11	.60	.79	.99	1.37	2.03	2.57	2.89	3.12	3.34	3.48
6-12	.51	.61	.67	.74	.86	1.07	1.27	1.54	1.80	2.08
6-13	.58	.70	.78	.87	1.03	1.26	1.55	2.01	2.19	2.40
6-14	.53	.64	.70	.79	.96	1.35	1.86	2.42	2.67	2.89
6-15	.61	.81	1.02	1.30	1.85	2.36	2.72	2.99	3.18	3.41
6-16	.58	.69	.78	.88	1.07	1.42	1.75	2.41	2.73	2.93
6-17	.61	.75	.85	.98	1.29	1.57	1.77	1.99	2.17	2.43
6-18	.55	.67	.75	.86	1.08	1.53	1.86	2.14	2.36	2.67
6-19	.58	.69	.78	.91	1.18	1.56	1.81	2.11	2.42	2.95
6-20	.62	.82	1.00	1.16	1.38	1.67	1.91	2.14	2.32	2.73
6-21	.63	.79	.96	1.20	1.69	2.14	2.70	3.18	3.41	3.52
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.57	.69	.80	.93	1.27	1.62	2.38	2.67	3.35	3.48
6-25	.56	.68	.78	.90	1.12	1.48	2.05	2.30	2.51	2.79
6-27	.52	.61	.66	.70	.79	.92	1.05	1.21	1.33	1.58
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 212.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1396, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.47	0.55	0.60	0.65	0.72	0.83	0.95	1.13	1.33	1.66
5-16	.49	.56	.60	.64	.70	.77	.84	.92	1.00	1.16
5-19	.47	.56	.61	.66	.73	.83	.96	1.14	1.32	1.68
5-21	.46	.53	.57	.60	.66	.72	.80	.90	1.00	1.16
5-22	.45	.53	.57	.61	.67	.75	.82	.93	1.04	1.24
5-24	.47	.54	.58	.62	.67	.75	.83	.94	1.10	1.35
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.47	.55	.60	.64	.71	.81	.90	1.05	1.22	1.48
5-28	.46	.53	.57	.61	.66	.73	.82	.93	1.05	1.28
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.46	.55	.61	.66	.74	.82	.93	1.09	1.28	1.53
6- 1	.48	.57	.63	.68	.75	.83	.92	1.04	1.16	1.34
6- 3	.53	.63	.69	.75	.85	1.01	1.17	1.34	1.51	1.72
6- 5	.49	.57	.61	.66	.73	.83	.92	1.03	1.15	1.34
6- 7	.43	.52	.57	.62	.69	.77	.84	.97	1.09	1.29
6- 9	.41	.49	.53	.58	.65	.72	.79	.88	.97	1.13
6-10	.45	.53	.57	.62	.68	.76	.85	.99	1.15	1.52
6-11	.43	.51	.56	.60	.67	.75	.82	.93	1.07	1.36
6-12	.46	.54	.58	.63	.69	.77	.84	.99	1.18	1.57
6-13	.48	.55	.59	.64	.69	.78	.85	.96	1.09	1.31
6-14	.46	.53	.58	.62	.67	.75	.83	.97	1.12	1.36
6-15	.46	.54	.58	.62	.68	.76	.84	.96	1.14	1.42
6-16	.50	.57	.62	.66	.72	.82	.91	1.04	1.22	1.54
6-17	.48	.56	.60	.64	.71	.79	.87	.98	1.15	1.48
6-18	.45	.53	.57	.61	.67	.74	.82	.95	1.11	1.47
6-19	.48	.55	.60	.63	.69	.77	.85	.98	1.16	1.53
6-20	.44	.51	.55	.59	.65	.71	.78	.87	.98	1.18
6-21	.46	.54	.58	.62	.68	.75	.81	.92	1.06	1.27
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.47	.53	.57	.61	.66	.72	.79	.88	.97	1.18
6-25	.43	.50	.55	.59	.65	.72	.79	.90	1.06	1.51
6-27	.48	.54	.58	.62	.67	.73	.79	.90	1.03	1.26
6-29(1)	—	—	—	—	—	—	—	—	—	—

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.62	0.80	0.96	1.15	1.43	1.74	1.93	2.11	2.26	2.42
5-16	.57	.67	.74	.80	.91	1.05	1.21	1.38	1.70	1.76
5-19	.64	.83	1.02	1.21	1.54	1.91	2.64	3.38	3.46	3.56
5-21	.54	.64	.70	.79	.94	1.12	1.28	1.49	1.77	2.31
5-22	.55	.66	.73	.82	.96	1.17	1.31	1.48	1.64	1.84
5-24	.58	.70	.81	.95	1.27	1.71	1.99	2.32	2.57	2.85
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.62	.78	.92	1.10	1.42	1.84	2.44	2.65	2.83	2.93
5-28	.56	.67	.75	.86	1.07	1.36	1.57	1.91	2.14	2.44
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.64	.81	.97	1.17	1.50	1.92	2.85	3.04	3.22	3.42
6- 1	.62	.75	.83	.94	1.11	1.33	1.57	2.01	2.12	2.29
6- 3	.72	.93	1.09	1.25	1.44	1.68	1.79	1.93	2.19	2.91
6- 5	.60	.72	.81	.91	1.05	1.23	1.37	1.55	1.70	1.84
6- 7	.54	.68	.76	.83	.99	1.15	1.31	1.46	1.54	1.66
6- 9	.50	.63	.71	.80	.93	1.13	1.37	1.63	1.89	2.41
6-10	.62	.82	1.03	1.37	2.20	2.63	2.86	3.01	3.15	3.34
6-11	.57	.72	.85	1.01	1.45	2.11	2.52	2.85	2.99	3.17
6-12	.61	.77	.93	1.18	1.67	2.19	2.48	2.75	2.93	3.12
6-13	.58	.70	.80	.90	1.11	1.41	1.80	2.07	2.19	2.36
6-14	.58	.71	.83	1.01	1.29	1.75	2.19	2.66	3.06	3.43
6-15	.58	.71	.82	.96	1.28	1.66	1.90	2.24	2.53	2.85
6-16	.63	.79	.92	1.08	1.44	1.86	2.16	2.48	2.79	3.23
6-17	.60	.72	.82	.93	1.21	1.53	1.72	1.91	2.08	2.31
6-18	.59	.74	.89	1.11	1.67	2.14	2.51	2.85	3.08	3.38
6-19	.61	.75	.88	1.08	1.51	2.01	2.30	2.68	2.87	2.97
6-20	.55	.68	.79	.94	1.29	2.50	2.88	3.38	3.46	3.57
6-21	.56	.67	.75	.82	1.04	1.29	1.51	1.73	1.87	2.12
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.55	.66	.73	.83	1.00	1.37	1.64	2.38	2.63	3.42
6-25	.57	.74	.89	1.23	1.80	2.38	2.66	2.93	3.12	3.37
6-27	.57	.68	.76	.88	1.16	1.67	1.94	2.87	3.05	3.30
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 213.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1425, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	B4	90	95
5-14	0.47	0.57	0.62	0.67	0.78	0.93	1.05	1.17	1.33	1.65
5-16	.47	.55	.60	.64	.71	.79	.86	.95	1.05	1.22
5-19	.43	.53	.59	.65	.74	.87	.98	1.17	1.41	1.89
5-21	.43	.50	.55	.59	.65	.73	.81	.94	1.10	1.40
5-22	.46	.55	.60	.65	.73	.86	.97	1.18	1.41	1.64
5-24	.47	.55	.59	.64	.70	.81	.89	1.01	1.25	1.66
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.46	.54	.59	.63	.70	.79	.88	1.02	1.16	1.42
5-28	.45	.53	.57	.61	.67	.75	.84	.96	1.09	1.31
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.48	.56	.61	.65	.72	.81	.90	1.04	1.19	1.43
6- 1	.48	.57	.61	.66	.73	.82	.91	1.02	1.11	1.24
6- 3	.49	.56	.60	.63	.68	.74	.80	.87	.94	1.06
6- 5	.49	.58	.63	.67	.75	.84	.92	1.05	1.20	1.40
6- 7	.42	.51	.56	.61	.69	.77	.85	.95	1.08	1.36
6- 9	.42	.51	.56	.61	.68	.76	.83	.94	1.05	1.25
6-10	.44	.51	.55	.58	.64	.69	.76	.85	1.00	1.25
6-11	.44	.51	.55	.59	.64	.70	.78	.87	.96	1.13
6-12	.45	.53	.57	.61	.66	.73	.80	.91	1.06	1.36
6-13	.48	.56	.60	.64	.70	.77	.84	.94	1.03	1.19
6-14	.46	.53	.58	.61	.67	.74	.82	.92	1.05	1.28
6-15	.47	.54	.58	.62	.67	.74	.80	.90	1.04	1.31
6-16	.49	.55	.59	.63	.68	.74	.81	.90	.98	1.15
6-17	.47	.56	.60	.65	.72	.79	.87	.98	1.18	1.55
6-18	.45	.53	.57	.61	.67	.75	.85	1.02	1.25	1.93
6-19	.49	.56	.59	.63	.67	.73	.79	.87	.96	1.13
6-20	.44	.51	.55	.59	.65	.71	.78	.87	.97	1.13
6-21	.46	.54	.58	.62	.68	.74	.80	.89	1.02	1.20
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.47	.54	.57	.61	.66	.72	.79	.89	.99	1.21
6-25	.44	.50	.54	.58	.63	.68	.74	.82	.91	1.11
6-27	.46	.53	.57	.60	.65	.71	.77	.85	.96	1.15
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.65	0.88	1.03	1.14	1.37	1.72	1.92	2.32	2.52	2.74
5-16	.57	.68	.75	.82	.93	1.08	1.22	1.33	1.43	1.53
5-19	.67	.93	1.16	1.47	1.90	2.38	2.61	2.85	2.91	3.00
5-21	.56	.72	.88	1.08	1.69	2.20	2.43	2.56	2.68	2.83
5-22	.64	.87	1.05	1.28	1.56	1.99	2.32	2.79	3.38	3.50
5-24	.62	.81	.95	1.22	1.69	2.03	2.35	2.89	3.11	3.39
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.60	.77	.90	1.07	1.39	2.03	2.44	2.68	2.85	2.95
5-28	.56	.68	.79	.91	1.12	1.43	1.65	2.06	2.18	2.35
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.61	.75	.85	1.00	1.23	1.52	1.79	2.12	2.40	2.83
6- 1	.59	.71	.79	.88	1.02	1.14	1.27	1.44	1.63	1.91
6- 3	.56	.64	.69	.74	.83	.93	1.03	1.18	1.38	1.46
6- 5	.63	.77	.87	.98	1.22	1.47	1.66	2.86	3.22	3.46
6- 7	.59	.77	.90	1.08	1.72	2.42	2.53	2.65	2.77	3.44
6- 9	.53	.67	.75	.84	.99	1.21	1.42	1.68	1.76	1.87
6-10	.53	.65	.72	.84	1.16	1.50	1.86	2.65	2.90	3.09
6-11	.54	.66	.76	.89	1.16	1.89	2.47	2.86	3.00	3.19
6-12	.56	.69	.79	.93	1.27	1.73	1.96	2.35	2.63	2.88
6-13	.58	.69	.77	.85	.99	1.22	1.57	2.02	2.09	2.18
6-14	.56	.67	.76	.86	1.07	1.36	1.67	1.98	2.19	2.44
6-15	.57	.68	.76	.86	1.16	1.48	1.82	2.15	2.49	2.85
6-16	.57	.67	.73	.81	.96	1.20	1.50	1.87	2.57	2.87
6-17	.60	.74	.83	.96	1.33	1.61	1.76	1.92	2.07	2.26
6-18	.64	.94	1.35	1.87	2.37	2.83	3.16	3.41	3.48	3.58
6-19	.57	.66	.71	.78	.91	1.13	1.44	1.70	1.94	2.35
6-20	.52	.64	.70	.79	.95	1.18	1.47	2.12	2.44	2.68
6-21	.55	.66	.72	.79	.95	1.17	1.35	1.69	1.78	1.92
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.56	.67	.75	.85	1.08	1.43	2.10	2.64	3.38	3.49
6-25	.51	.63	.69	.78	.99	1.47	1.89	2.42	2.64	2.87
6-27	.54	.64	.69	.76	.90	1.13	1.30	1.58	1.88	2.58
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 214.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1481, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.42	0.49	0.53	0.57	0.63	0.69	0.76	0.84	0.93	1.08
5-16	.43	.50	.55	.59	.65	.72	.80	.92	1.05	1.25
5-19	.51	.58	.63	.67	.73	.81	.88	1.00	1.09	1.24
5-21	.43	.52	.57	.61	.68	.77	.84	1.00	1.16	1.35
5-22	.43	.50	.54	.58	.63	.70	.77	.87	1.01	1.25
5-24	.47	.55	.59	.64	.70	.79	.89	1.03	1.21	1.74
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.51	.58	.62	.66	.72	.81	.90	1.00	1.13	1.44
5-28	.42	.50	.55	.59	.66	.73	.80	.89	.99	1.24
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.50	.57	.61	.64	.69	.78	.85	.97	1.06	1.17
6- 1	.51	.59	.64	.68	.76	.87	.97	1.13	1.31	1.59
6- 3	.49	.57	.61	.65	.71	.80	.87	.94	1.02	1.25
6- 5	.50	.58	.62	.66	.73	.84	.92	1.04	1.23	1.49
6- 7	.49	.56	.60	.64	.70	.77	.84	.94	1.05	1.22
6- 9	.45	.53	.58	.62	.69	.79	.88	1.04	1.24	1.58
6-10	.45	.54	.59	.63	.70	.80	.89	1.02	1.19	1.48
6-11	.47	.56	.62	.67	.76	.89	1.02	1.21	1.44	1.82
6-12	.44	.52	.57	.61	.67	.76	.85	.98	1.16	1.42
6-13	.48	.55	.60	.64	.70	.79	.88	1.02	1.19	1.46
6-14	.47	.54	.59	.63	.69	.77	.84	.97	1.12	1.41
6-15	.49	.56	.60	.65	.70	.81	.93	1.10	1.33	1.66
6-16	.50	.58	.63	.67	.74	.85	.96	1.22	1.48	2.00
6-17	.47	.55	.59	.63	.70	.78	.87	.99	1.14	1.39
6-18	.46	.54	.58	.63	.69	.78	.87	1.00	1.14	1.40
6-19	.49	.59	.64	.69	.79	.95	1.12	1.37	1.64	2.01
6-20	.47	.56	.61	.66	.74	.86	.98	1.13	1.29	1.59
6-21	.45	.53	.57	.62	.68	.78	.87	.99	1.15	1.41
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.47	.55	.59	.63	.69	.77	.85	.97	1.13	1.37
6-25	.45	.53	.58	.63	.70	.81	.94	1.13	1.34	1.64
6-27	.46	.53	.58	.62	.67	.75	.82	.91	1.00	1.17
6-29(1)	—	—	—	—	—	—	—	—	—	—

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.52	0.65	0.75	0.87	1.16	2.31	2.48	2.61	2.73	2.88
5-16	.53	.65	.73	.83	1.04	1.28	1.59	1.79	1.91	2.04
5-19	.61	.72	.79	.87	1.03	1.19	1.36	1.58	3.38	3.50
5-21	.56	.70	.79	.91	1.14	1.34	1.53	1.74	1.86	2.06
5-22	.52	.65	.74	.87	1.18	1.51	2.10	2.34	2.50	2.70
5-24	.64	.83	1.04	1.38	1.91	2.48	2.90	3.06	3.21	3.40
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.62	.74	.84	.95	1.16	1.53	1.72	1.95	2.88	2.97
5-28	.52	.65	.72	.80	.95	1.22	1.43	1.56	1.67	2.36
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.58	.67	.74	.82	.95	1.08	1.18	1.42	1.48	1.56
6- 1	.65	.82	.95	1.13	1.41	1.73	1.95	2.45	2.66	3.42
6- 3	.59	.70	.78	.86	.97	1.25	1.51	1.73	1.88	2.88
6- 5	.62	.77	.87	.98	1.27	1.55	1.76	2.02	2.26	2.44
6- 7	.58	.68	.75	.82	.96	1.14	1.30	1.49	1.67	2.04
6- 9	.61	.80	.97	1.22	1.63	2.15	2.50	3.05	3.38	3.50
6-10	.60	.77	.90	1.07	1.39	1.83	2.18	2.63	2.90	3.14
6-11	.68	.94	1.14	1.38	1.76	2.26	2.71	3.07	3.35	3.48
6-12	.58	.74	.88	1.07	1.41	1.95	2.38	2.86	3.01	3.22
6-13	.60	.73	.85	1.00	1.27	1.58	1.82	2.15	2.48	2.83
6-14	.59	.72	.83	.98	1.30	1.74	2.06	2.40	2.65	3.07
6-15	.63	.81	.99	1.21	1.56	1.93	2.20	2.50	2.75	3.10
6-16	.70	.99	1.36	1.70	2.22	2.92	3.41	3.49	3.55	3.64
6-17	.60	.75	.87	1.03	1.37	1.98	2.44	2.86	2.97	3.11
6-18	.59	.73	.84	.98	1.23	1.63	1.90	2.21	2.51	2.85
6-19	.72	1.04	1.28	1.53	1.87	2.26	2.51	2.77	2.94	3.16
6-20	.64	.82	.97	1.12	1.38	1.73	1.98	2.36	2.55	2.79
6-21	.58	.73	.86	1.00	1.30	1.67	2.12	2.66	3.16	3.45
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.60	.76	.89	1.09	1.50	2.20	2.63	3.17	3.42	3.53
6-25	.61	.81	.99	1.19	1.49	1.81	2.08	2.35	2.48	2.63
6-27	.55	.65	.72	.80	.93	1.09	1.27	1.50	1.70	1.81
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 215.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1533, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.47	0.54	0.57	0.61	0.66	0.72	0.78	0.88	0.99	1.11
5-16	.46	.53	.57	.61	.67	.75	.83	.94	1.05	1.24
5-19	.45	.52	.56	.59	.64	.70	.78	.89	1.02	1.33
5-21	.47	.55	.60	.65	.71	.82	.93	1.06	1.18	1.45
5-22	.42	.51	.56	.61	.68	.79	.90	1.04	1.18	1.44
5-24	.49	.56	.60	.64	.69	.78	.88	1.09	1.29	1.55
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.52	.59	.63	.67	.73	.84	.94	1.09	1.28	1.75
5-28	.47	.57	.63	.69	.81	.97	1.14	1.39	1.65	2.12
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.49	.57	.61	.65	.71	.77	.83	.92	1.02	1.17
6- 1	.47	.54	.58	.62	.68	.75	.82	.93	1.04	1.19
6- 3	.47	.55	.60	.65	.71	.80	.88	1.01	1.12	1.30
6- 5	.48	.56	.61	.65	.72	.82	.93	1.08	1.23	1.41
6- 7	.46	.55	.59	.64	.70	.83	.95	1.12	1.36	1.66
6- 9	.43	.51	.55	.60	.66	.74	.83	.95	1.09	1.37
6-10	.48	.56	.61	.65	.72	.82	.92	1.08	1.28	1.67
6-11	.45	.55	.61	.66	.76	.89	1.02	1.26	1.53	1.92
6-12	.42	.51	.56	.62	.69	.81	.96	1.16	1.41	1.87
6-13	.50	.57	.61	.65	.72	.80	.89	.99	1.14	1.37
6-14	.48	.56	.61	.65	.71	.82	.93	1.12	1.36	1.77
6-15	.49	.57	.62	.67	.75	.86	1.00	1.25	1.49	1.96
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.47	.55	.59	.63	.69	.77	.84	.97	1.13	1.38
6-18	.47	.56	.61	.65	.73	.85	.99	1.22	1.47	1.98
6-19	.46	.54	.58	.62	.68	.77	.86	.97	1.10	1.34
6-20	.45	.52	.57	.61	.67	.76	.86	.99	1.11	1.30
6-21	.48	.56	.60	.64	.70	.80	.89	1.03	1.23	1.63
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.50	.58	.62	.67	.76	.91	1.06	1.33	1.60	2.06
6-25	.47	.56	.61	.65	.74	.89	1.04	1.26	1.47	1.83
6-27	.48	.56	.61	.65	.71	.81	.92	1.08	1.25	1.49
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.55	0.65	0.71	0.79	0.96	1.14	1.52	2.05	2.27	2.90
5-16	.55	.66	.74	.83	.97	1.16	1.38	1.58	1.70	1.76
5-19	.55	.68	.79	.95	1.35	1.98	2.23	3.02	3.37	3.49
5-21	.60	.76	.88	1.01	1.22	1.52	2.01	2.13	2.24	2.83
5-22	.58	.77	.93	1.09	1.37	1.87	2.21	2.83	3.19	3.45
5-24	.63	.82	1.07	1.31	1.68	2.43	2.62	3.37	3.45	3.56
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.67	.88	1.09	1.35	1.99	2.33	3.23	3.43	3.50	3.60
5-28	.74	1.06	1.31	1.56	2.03	2.25	2.44	2.74	2.88	2.97
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.58	.69	.75	.81	.95	1.13	1.42	1.57	2.01	2.08
6- 1	.56	.66	.73	.80	.94	1.10	1.25	1.45	1.61	1.80
6- 3	.60	.74	.83	.97	1.16	1.55	2.09	2.38	2.58	2.84
6- 5	.62	.77	.90	1.06	1.29	1.59	1.91	2.47	3.42	3.53
6- 7	.64	.89	1.09	1.38	1.72	2.29	2.99	3.39	3.47	3.57
6- 9	.55	.70	.83	.97	1.28	1.73	2.04	2.34	3.00	3.36
6-10	.63	.79	.93	1.14	1.46	1.85	2.11	2.42	2.64	2.94
6-11	.68	.96	1.20	1.47	1.82	2.18	2.47	2.83	2.98	3.17
6-12	.64	.95	1.20	1.49	1.97	2.37	2.65	2.94	3.15	3.41
6-13	.61	.73	.83	.94	1.17	1.49	1.80	2.07	2.34	2.49
6-14	.65	.86	1.07	1.35	1.80	2.22	2.52	2.91	3.15	3.42
6-15	.69	.98	1.27	1.55	2.03	2.58	3.01	3.38	3.46	3.56
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.59	.71	.81	.95	1.21	1.55	1.81	2.13	2.52	2.89
6-18	.68	.99	1.28	1.61	2.14	2.80	3.03	3.29	3.42	3.53
6-19	.58	.71	.83	.95	1.20	1.59	2.05	2.43	2.79	2.92
6-20	.56	.69	.80	.93	1.12	1.37	1.71	2.00	2.19	2.41
6-21	.63	.81	.97	1.22	1.68	2.21	2.58	2.90	3.04	3.23
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.68	.98	1.23	1.50	1.86	2.23	2.55	2.88	3.04	3.25
6-25	.67	.96	1.19	1.41	1.76	2.20	2.56	2.97	3.34	3.48
6-27	.62	.77	.91	1.08	1.34	1.67	2.01	2.34	2.72	2.91
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 216.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1573, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	B4	90	95
5-14	0.42	0.50	0.54	0.58	0.64	0.71	0.79	0.94	1.10	1.39
5-16	.46	.53	.58	.62	.67	.75	.84	.94	1.07	1.34
5-19	.42	.50	.54	.58	.64	.70	.77	.87	.98	1.11
5-21	.45	.53	.57	.61	.67	.76	.84	.95	1.08	1.28
5-22	.49	.57	.62	.67	.75	.85	.95	1.11	1.27	1.48
5-24	.51	.59	.64	.68	.76	.89	1.04	1.24	1.42	1.65
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.45	.56	.62	.68	.77	.87	.96	1.09	1.23	1.45
5-28	.49	.56	.59	.63	.68	.74	.80	.93	1.09	1.29
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.47	.54	.59	.63	.69	.77	.84	.95	1.08	1.29
6- 1	.46	.54	.58	.63	.69	.80	.91	1.05	1.18	1.38
6- 3	.50	.59	.63	.68	.75	.84	.92	1.02	1.15	1.35
6- 5	.47	.57	.62	.67	.75	.85	.96	1.10	1.24	1.44
6- 7	.46	.53	.58	.62	.67	.75	.83	.99	1.12	1.33
6- 9	.47	.54	.58	.61	.67	.74	.83	.95	1.15	1.53
6-10	.47	.54	.59	.62	.68	.77	.86	.98	1.15	1.45
6-11	.44	.53	.58	.62	.69	.79	.90	1.07	1.27	1.66
6-12	.42	.50	.55	.60	.67	.77	.89	1.11	1.37	1.79
6-13	.48	.55	.59	.63	.69	.76	.84	.96	1.08	1.26
6-14	.48	.56	.61	.65	.72	.83	.96	1.15	1.38	1.77
6-15	.48	.57	.63	.68	.78	.91	1.03	1.23	1.50	2.10
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.48	.56	.61	.65	.72	.82	.93	1.11	1.32	1.65
6-18	.48	.57	.62	.67	.77	.91	1.06	1.28	1.48	1.82
6-19	.48	.56	.61	.66	.74	.84	.94	1.06	1.19	1.35
6-20	.45	.53	.57	.61	.67	.75	.83	.95	1.07	1.31
6-21	.46	.55	.60	.65	.73	.86	1.00	1.23	1.44	1.77
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.48	.55	.59	.63	.69	.78	.87	1.00	1.14	1.50
6-25	.46	.55	.60	.64	.72	.81	.90	1.03	1.15	1.35
6-27	.47	.55	.60	.65	.72	.82	.93	1.08	1.24	1.52
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.54	0.68	0.81	1.00	1.29	1.67	1.87	2.39	3.37	3.49
5-16	.56	.68	.77	.88	1.08	1.40	1.59	1.78	1.93	2.25
5-19	.51	.62	.69	.78	.93	1.11	1.30	1.79	2.02	2.39
5-21	.55	.68	.78	.88	1.07	1.31	1.48	1.70	3.39	3.50
5-22	.63	.79	.91	1.04	1.28	1.53	1.79	2.17	2.40	2.48
5-24	.66	.84	1.02	1.19	1.41	1.62	1.83	2.08	2.28	2.66
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.63	.80	.90	1.00	1.21	1.49	1.77	1.98	2.40	2.49
5-28	.57	.67	.74	.83	1.07	1.30	1.55	1.87	2.08	2.32
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.57	.69	.79	.89	1.10	1.39	1.64	2.15	2.38	2.47
6- 1	.58	.72	.85	.98	1.16	1.38	1.53	1.93	2.16	2.84
6- 3	.62	.75	.84	.93	1.09	1.33	1.69	1.84	1.99	2.24
6- 5	.63	.78	.89	1.03	1.23	1.46	1.75	2.01	2.24	2.43
6- 7	.56	.69	.78	.91	1.12	1.38	1.71	1.85	1.98	2.18
6- 9	.59	.74	.90	1.16	1.63	2.14	2.58	2.90	3.02	3.18
6-10	.60	.77	.92	1.13	1.54	2.16	2.86	3.39	3.47	3.57
6-11	.62	.82	1.02	1.26	1.75	2.24	2.47	2.67	2.85	3.06
6-12	.61	.88	1.17	1.46	1.91	2.40	2.61	2.87	3.10	3.39
6-13	.58	.69	.77	.87	1.06	1.29	1.54	1.93	2.26	2.45
6-14	.65	.87	1.08	1.32	1.71	2.11	2.45	2.74	3.00	3.36
6-15	.71	.99	1.24	1.58	2.12	2.52	2.83	3.39	3.47	3.57
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.64	.82	.99	1.20	1.56	1.93	2.26	2.68	2.92	3.12
6-18	.68	.94	1.17	1.37	1.67	2.07	2.42	2.77	3.11	3.43
6-19	.60	.74	.84	.95	1.11	1.29	1.43	1.65	2.03	2.36
6-20	.57	.69	.81	.93	1.18	1.59	1.98	2.39	2.80	3.08
6-21	.64	.88	1.08	1.29	1.56	1.88	2.09	2.28	2.41	2.49
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.61	.77	.93	1.11	1.68	2.15	2.52	2.89	3.04	3.26
6-25	.59	.74	.84	.95	1.14	1.37	1.71	2.00	2.17	2.40
6-27	.62	.79	.94	1.11	1.42	1.85	2.28	2.56	2.77	2.91
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 217.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1610, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.42	0.50	0.54	0.57	0.63	0.69	0.75	0.83	0.92	1.06
5-16	.46	.54	.58	.62	.67	.75	.84	.94	1.12	1.43
5-19	.45	.53	.57	.61	.67	.73	.80	.91	1.08	1.44
5-21	.48	.56	.61	.65	.72	.81	.89	1.01	1.15	1.34
5-22	.42	.50	.55	.60	.67	.76	.85	1.01	1.10	1.29
5-24	.45	.52	.56	.60	.66	.73	.80	.90	1.01	1.15
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.48	.55	.59	.63	.69	.77	.84	.98	1.11	1.37
5-28	.50	.58	.63	.67	.74	.86	.98	1.13	1.30	1.68
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.50	.58	.62	.65	.71	.81	.91	1.03	1.15	1.46
6- 1	.49	.56	.60	.64	.70	.79	.90	1.05	1.18	1.43
6- 3	.48	.56	.60	.64	.69	.78	.87	1.08	1.28	1.59
6- 5	.50	.57	.61	.65	.71	.79	.87	.99	1.12	1.33
6- 7	.53	.62	.67	.72	.82	.96	1.08	1.25	1.49	1.78
6- 9	.47	.55	.59	.63	.69	.78	.86	.98	1.10	1.29
6-10	.47	.56	.61	.66	.75	.86	.97	1.12	1.28	1.51
6-11	.46	.55	.61	.66	.75	.89	1.03	1.22	1.43	1.80
6-12	.45	.56	.62	.69	.81	.95	1.12	1.32	1.52	1.90
6-13	.50	.57	.60	.64	.69	.75	.82	.93	1.03	1.17
6-14	.46	.54	.59	.64	.70	.79	.89	1.08	1.27	1.59
6-15	.48	.56	.61	.65	.72	.82	.91	1.03	1.16	1.43
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.48	.55	.59	.62	.68	.75	.83	.94	1.08	1.26
6-18	.49	.57	.62	.66	.74	.86	.96	1.13	1.29	1.56
6-19	.47	.55	.60	.64	.71	.83	.97	1.17	1.40	1.68
6-20	.44	.52	.56	.60	.66	.73	.80	.88	.98	1.12
6-21	.47	.54	.58	.62	.67	.74	.81	.93	1.10	1.38
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.49	.57	.61	.65	.72	.82	.93	1.07	1.22	1.45
6-25	.45	.52	.56	.59	.65	.70	.81	.93	1.08	1.34
6-27	.47	.56	.60	.65	.72	.84	.99	1.16	1.37	1.70
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.49	0.59	0.65	0.71	0.82	0.95	1.07	1.22	1.42	1.47
5-16	.57	.69	.79	.91	1.20	1.49	1.67	1.86	2.04	2.28
5-19	.57	.70	.80	.96	1.39	1.76	2.02	2.20	2.36	3.48
5-21	.60	.73	.82	.93	1.13	1.37	1.55	1.94	2.79	3.48
5-22	.54	.68	.78	.91	1.08	1.27	1.60	1.76	1.85	1.96
5-24	.54	.66	.73	.82	1.00	1.20	1.70	1.91	3.41	3.52
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.58	.70	.79	.92	1.14	1.45	1.66	1.91	2.14	2.86
5-28	.64	.81	.97	1.12	1.38	1.77	2.01	2.21	2.39	2.47
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.62	.76	.88	1.02	1.28	1.75	2.08	2.28	2.41	2.49
6- 1	.60	.73	.84	1.01	1.20	1.49	1.71	2.07	2.30	2.45
6- 3	.62	.78	.99	1.23	1.55	1.90	2.43	2.85	2.91	3.00
6- 5	.59	.70	.78	.88	1.05	1.27	1.45	1.62	1.77	1.95
6- 7	.69	.91	1.06	1.21	1.53	1.79	1.93	2.33	2.50	2.69
6- 9	.58	.70	.79	.89	1.06	1.29	1.58	1.85	2.05	2.29
6-10	.63	.80	.93	1.07	1.30	1.56	1.82	2.22	2.68	3.13
6-11	.67	.93	1.13	1.34	1.70	2.13	2.51	2.85	2.94	3.06
6-12	.71	.99	1.21	1.38	1.72	2.20	2.53	2.83	2.90	2.99
6-13	.57	.67	.72	.79	.93	1.09	1.23	1.45	1.65	1.75
6-14	.62	.81	1.01	1.25	1.63	2.20	2.55	2.87	3.06	3.33
6-15	.60	.74	.85	.96	1.16	1.46	1.69	1.94	2.10	2.27
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.57	.67	.75	.85	1.03	1.25	1.38	1.73	2.06	2.30
6-18	.64	.82	.96	1.12	1.38	1.72	2.05	2.39	2.61	2.86
6-19	.63	.84	1.04	1.24	1.53	1.80	2.02	2.53	2.79	2.92
6-20	.53	.64	.70	.78	.91	1.07	1.23	1.53	2.02	2.09
6-21	.58	.70	.81	.98	1.34	1.78	1.97	2.85	2.97	3.13
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.62	.76	.89	1.03	1.27	1.52	1.80	2.22	2.56	3.44
6-25	.54	.66	.75	.89	1.13	1.40	1.71	1.79	1.87	1.97
6-27	.64	.86	1.05	1.24	1.57	1.89	2.18	2.55	2.85	3.15
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 218.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1662, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.44	0.52	0.56	0.61	0.67	0.76	0.86	0.96	1.07	1.23
5-16	.45	.54	.59	.64	.72	.81	.90	1.02	1.13	1.29
5-19	.45	.52	.57	.61	.67	.74	.81	.92	1.04	1.25
5-21	.44	.52	.57	.61	.67	.75	.83	1.01	1.22	1.55
5-22	.47	.57	.63	.69	.80	.93	1.08	1.29	1.50	2.02
5-24	.45	.53	.57	.61	.67	.75	.84	.94	1.06	1.27
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.47	.55	.59	.63	.70	.79	.91	1.09	1.25	1.53
5-28	.50	.58	.62	.66	.72	.79	.86	.97	1.07	1.22
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.49	.57	.61	.66	.72	.82	.92	1.04	1.15	1.39
6- 1	.43	.53	.59	.65	.74	.87	.99	1.15	1.38	1.64
6- 3	.47	.55	.60	.64	.70	.79	.86	.94	1.04	1.24
6- 5	.45	.54	.58	.63	.69	.79	.88	.98	1.10	1.30
6- 7	.46	.53	.58	.62	.68	.76	.84	.98	1.16	1.33
6- 9	.46	.53	.57	.61	.66	.72	.78	.85	.94	1.08
6-10	.41	.48	.52	.56	.62	.68	.74	.82	.94	1.17
6-11	.43	.51	.56	.61	.68	.77	.83	.95	1.08	1.27
6-12	.45	.53	.57	.61	.67	.75	.82	.98	1.12	1.36
6-13	.49	.55	.59	.63	.67	.74	.80	.91	1.02	1.15
6-14	.48	.56	.60	.65	.71	.80	.88	1.00	1.16	1.45
6-15	.48	.56	.61	.65	.71	.80	.89	1.02	1.15	1.31
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.48	.55	.59	.63	.69	.77	.85	.98	1.11	1.27
6-18	.48	.55	.60	.64	.70	.82	.95	1.12	1.32	1.74
6-19	.46	.52	.56	.59	.64	.70	.77	.91	1.10	1.39
6-20	.47	.54	.57	.61	.66	.71	.78	.89	1.06	1.29
6-21	.47	.54	.59	.63	.69	.77	.84	.93	1.04	1.27
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.46	.54	.59	.63	.69	.77	.84	.97	1.12	1.34
6-25	.48	.56	.60	.65	.71	.84	.95	1.15	1.37	1.76
6-27	.45	.52	.56	.60	.66	.72	.78	.87	.95	1.10
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.55	0.67	0.77	0.89	1.04	1.24	1.52	1.77	1.90	2.88
5-16	.57	.71	.79	.88	1.03	1.19	1.30	1.44	1.56	1.70
5-19	.54	.66	.74	.82	.99	1.23	1.44	1.66	1.86	2.04
5-21	.58	.74	.89	1.12	1.47	1.83	2.07	2.23	2.37	2.82
5-22	.71	.97	1.20	1.41	1.84	2.22	2.43	2.62	2.79	3.29
5-24	.55	.67	.76	.88	1.05	1.30	1.72	1.87	2.01	2.08
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.62	.80	1.01	1.19	1.54	2.12	2.40	2.72	3.07	3.42
5-28	.59	.69	.76	.83	.97	1.13	1.27	1.48	1.73	1.87
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.62	.76	.87	1.00	1.19	1.65	1.91	2.16	2.38	2.83
6- 1	.63	.85	1.01	1.17	1.50	1.80	2.12	2.44	2.58	2.76
6- 3	.58	.69	.78	.86	.98	1.22	1.42	1.76	2.39	2.47
6- 5	.58	.71	.83	.93	1.13	1.39	1.79	2.14	2.49	2.86
6- 7	.56	.68	.77	.88	1.11	1.30	1.44	1.66	1.89	2.25
6- 9	.53	.62	.68	.73	.82	.95	1.07	1.23	1.37	1.52
6-10	.51	.65	.75	.91	1.37	2.43	3.39	3.47	3.54	3.63
6-11	.55	.70	.79	.89	1.10	1.33	1.59	2.39	2.44	2.52
6-12	.56	.68	.78	.90	1.13	1.40	1.69	1.82	1.94	2.24
6-13	.56	.65	.70	.77	.90	1.06	1.17	1.31	1.47	1.77
6-14	.59	.71	.81	.91	1.11	1.42	1.53	1.65	1.81	2.02
6-15	.59	.71	.80	.91	1.09	1.27	1.41	1.85	2.03	2.10
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.57	.68	.76	.86	1.03	1.22	1.35	1.53	1.77	2.28
6-18	.64	.89	1.11	1.35	1.81	2.45	2.63	2.86	3.09	3.39
6-19	.55	.67	.78	.98	1.32	1.75	1.93	2.08	2.18	2.32
6-20	.56	.66	.72	.82	1.08	1.35	1.65	1.86	2.01	2.08
6-21	.57	.69	.78	.88	1.07	1.40	1.78	2.08	2.38	2.47
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.58	.71	.81	.93	1.19	1.48	1.77	2.41	2.47	2.54
6-25	.68	1.01	1.33	1.70	2.68	3.23	3.41	3.48	3.55	3.64
6-27	.53	.63	.69	.75	.87	1.02	1.17	1.46	1.63	1.73
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 219.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1695, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.44	0.52	0.57	0.61	0.68	0.76	0.85	0.95	1.09	1.30
5-16	.43	.52	.57	.62	.69	.77	.85	.96	1.06	1.24
5-19	.44	.51	.55	.59	.65	.72	.80	.90	.99	1.09
5-21	.46	.53	.57	.61	.66	.73	.80	.92	1.06	1.27
5-22	.45	.53	.57	.62	.68	.77	.86	.98	1.12	1.39
5-24	.48	.55	.59	.63	.68	.76	.84	.92	1.00	1.12
5-26(1)	---	---	---	---	---	---	---	---	---	---
5-27	.50	.57	.60	.64	.69	.77	.86	.98	1.09	1.35
5-28	.46	.54	.59	.63	.69	.79	.89	1.04	1.18	1.50
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.51	.58	.62	.66	.72	.82	.93	1.09	1.24	1.49
6- 1	.45	.53	.57	.61	.67	.74	.80	.88	.98	1.08
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5	.45	.53	.58	.62	.69	.78	.88	1.02	1.20	1.44
6- 7	.48	.54	.57	.60	.65	.69	.75	.86	1.00	1.15
6- 9	.43	.51	.55	.60	.66	.74	.82	.95	1.10	1.31
6-10	.42	.50	.54	.59	.65	.73	.81	.94	1.07	1.27
6-11	.44	.51	.55	.59	.64	.70	.78	.89	.99	1.17
6-12	.45	.52	.57	.61	.67	.74	.81	.95	1.14	1.37
6-13	.49	.57	.62	.66	.73	.83	.94	1.07	1.19	1.54
6-14	.50	.57	.61	.65	.71	.79	.87	1.01	1.14	1.37
6-15	.43	.51	.56	.60	.66	.74	.84	.96	1.10	1.37
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.47	.54	.59	.63	.69	.78	.87	.97	1.16	1.38
6-18	.44	.51	.55	.59	.64	.70	.77	.86	.96	1.13
6-19	.44	.51	.55	.58	.64	.70	.77	.88	.99	1.14
6-20	.45	.53	.57	.62	.68	.77	.86	.95	1.06	1.26
6-21	.48	.57	.62	.67	.75	.86	.97	1.15	1.30	1.64
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.48	.56	.60	.64	.70	.80	.88	.98	1.19	1.45
6-25	.48	.56	.60	.65	.71	.82	.92	1.05	1.19	1.45
6-27	.45	.52	.57	.61	.66	.73	.80	.92	1.08	1.34
6-29(1)	---	---	---	---	---	---	---	---	---	---

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.55	0.68	0.77	0.87	1.03	1.27	1.43	1.63	1.83	2.03
5-16	.57	.72	.82	.94	1.14	1.59	2.44	2.81	2.89	2.98
5-19	.52	.62	.68	.75	.87	1.00	1.08	1.18	1.28	1.46
5-21	.56	.68	.77	.90	1.14	1.50	1.95	2.38	2.44	2.52
5-22	.58	.72	.86	.99	1.29	1.65	2.19	2.40	2.46	2.53
5-24	.56	.67	.73	.82	.94	1.09	1.27	1.74	1.91	2.90
5-26(1)	---	---	---	---	---	---	---	---	---	---
5-27	.61	.75	.88	1.05	1.50	2.44	2.58	2.75	2.86	2.96
5-28	.59	.75	.88	1.05	1.34	1.62	1.99	2.19	2.38	2.83
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.62	.76	.88	1.04	1.28	1.57	1.78	1.99	2.35	2.81
6- 1	.53	.63	.69	.75	.84	.99	1.07	1.16	1.33	1.51
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5	.59	.75	.88	1.04	1.32	1.77	2.11	2.31	2.67	3.46
6- 7	.55	.63	.68	.77	.97	1.18	1.48	1.76	1.92	2.05
6- 9	.54	.67	.77	.89	1.12	1.36	1.55	1.91	2.39	2.47
6-10	.53	.67	.77	.90	1.12	1.41	1.68	1.98	3.39	3.50
6-11	.52	.63	.69	.79	.96	1.18	1.37	1.68	2.00	2.38
6-12	.56	.68	.78	.90	1.20	1.43	1.68	1.92	2.03	2.10
6-13	.63	.80	.93	1.07	1.43	1.74	2.13	2.41	2.57	2.79
6-14	.61	.73	.83	.97	1.19	1.54	1.84	2.27	2.88	2.97
6-15	.56	.71	.86	1.01	1.34	1.86	2.21	2.51	2.78	3.47
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.59	.72	.85	.96	1.27	1.68	1.95	2.20	2.43	2.84
6-18	.51	.62	.67	.75	.88	1.06	1.23	1.43	1.62	1.73
6-19	.52	.63	.70	.81	.99	1.20	1.61	1.90	2.20	2.90
6-20	.55	.67	.75	.84	.97	1.15	1.32	1.45	1.52	1.61
6-21	.64	.81	.95	1.12	1.35	1.73	1.92	2.08	2.19	2.34
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.62	.78	.91	1.13	1.56	2.14	2.48	2.85	2.92	3.00
6-25	.61	.77	.91	1.05	1.30	1.66	2.08	2.28	2.60	3.45
6-27	.55	.67	.76	.87	1.16	1.42	1.62	1.84	2.39	2.47
6-29(1)	---	---	---	---	---	---	---	---	---	---

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 220.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1730, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.42	0.50	0.54	0.58	0.64	0.70	0.77	0.86	0.92	1.03
5-16	.43	.52	.56	.61	.68	.76	.85	.97	1.09	1.26
5-19	.44	.51	.56	.60	.66	.73	.81	.92	1.06	1.27
5-21	.46	.54	.58	.62	.68	.76	.84	.95	1.09	1.41
5-22	.45	.53	.58	.63	.70	.81	.92	1.05	1.16	1.53
5-24	.47	.54	.58	.62	.67	.74	.81	.90	.99	1.16
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.54	.61	.65	.69	.78	.89	1.00	1.11	1.24	1.55
5-28	.39	.48	.53	.59	.66	.75	.83	.92	1.01	1.18
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.50	.57	.61	.64	.69	.76	.82	.92	1.02	1.19
6- 1(2)	--	--	--	--	--	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5(2)	--	--	--	--	--	--	--	--	--	--
6- 7	.46	.53	.56	.59	.64	.69	.75	.83	.92	1.09
6- 9	.45	.52	.56	.59	.64	.69	.76	.86	.96	1.12
6-10	.40	.48	.53	.58	.66	.75	.83	.95	1.12	1.44
6-11	.46	.55	.59	.64	.71	.82	.92	1.05	1.22	1.47
6-12	.46	.53	.57	.61	.67	.74	.81	.96	1.15	1.41
6-13	.53	.62	.66	.71	.80	.94	1.08	1.27	1.48	2.02
6-14	.49	.56	.61	.65	.71	.83	.93	1.09	1.31	1.60
6-15	.44	.51	.55	.58	.64	.69	.75	.83	.94	1.15
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.45	.52	.55	.59	.65	.70	.76	.83	.92	1.10
6-18	.47	.55	.59	.63	.70	.79	.89	1.02	1.16	1.45
6-19	.47	.55	.60	.64	.70	.80	.89	1.03	1.23	1.56
6-20	.50	.58	.62	.66	.72	.80	.88	.99	1.14	1.39
6-21	.51	.58	.62	.66	.71	.80	.88	.97	1.11	1.34
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.49	.56	.60	.64	.70	.78	.86	.95	1.09	1.37
6-25	.45	.53	.57	.61	.68	.76	.84	.96	1.09	1.30
6-27	.49	.57	.62	.66	.74	.85	1.01	1.23	1.42	1.66
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.51	0.62	0.68	0.76	0.89	1.04	1.30	1.65	3.44	3.55
5-16	.54	.67	.76	.86	1.02	1.20	1.33	1.50	1.66	2.04
5-19	.55	.69	.79	.92	1.21	1.61	2.07	2.84	2.90	2.99
5-21	.58	.71	.81	.94	1.25	1.62	1.92	2.11	2.24	2.85
5-22	.59	.76	.89	1.02	1.22	1.70	1.85	2.01	2.05	2.12
5-24	.58	.70	.80	.91	1.19	2.88	3.03	3.20	3.36	3.48
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.65	.80	.93	1.05	1.21	1.55	1.73	1.89	2.19	2.75
5-28	.51	.65	.74	.83	.96	1.15	1.38	1.67	1.87	2.04
5-29(1)	--	--	--	--	--	--	--	--	--	--
5-30	.58	.67	.73	.81	.95	1.14	1.31	1.54	2.40	2.48
6- 1(2)	--	--	--	--	--	--	--	--	--	--
6- 3(2)	--	--	--	--	--	--	--	--	--	--
6- 5(2)	--	--	--	--	--	--	--	--	--	--
6- 7	.54	.65	.70	.81	1.06	1.73	2.21	2.86	2.93	3.01
6- 9	.52	.62	.67	.74	.88	1.05	1.21	1.39	1.95	2.92
6-10	.54	.70	.82	.96	1.29	1.65	1.81	1.98	2.48	2.86
6-11	.60	.77	.89	1.03	1.30	1.61	1.84	2.17	2.63	3.45
6-12	.57	.70	.81	.99	1.29	1.60	1.88	2.19	2.47	2.85
6-13	.72	.99	1.21	1.46	2.02	2.35	2.88	3.02	3.15	3.32
6-14	.62	.79	.92	1.09	1.42	1.67	1.83	2.04	2.32	2.76
6-15	.53	.65	.72	.82	1.11	1.77	2.38	2.44	2.49	2.56
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.51	.61	.67	.72	.82	.97	1.14	1.27	1.37	1.57
6-18	.60	.75	.88	1.02	1.32	1.68	2.13	2.39	2.45	2.52
6-19	.62	.80	.95	1.18	1.57	2.30	2.45	2.56	2.66	2.80
6-20	.63	.77	.89	1.06	1.45	2.06	2.84	2.90	2.96	3.04
6-21	.62	.76	.86	.99	1.32	1.84	2.72	3.04	3.26	3.45
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.60	.71	.81	.92	1.20	1.54	1.85	2.19	2.47	2.85
6-25	.57	.71	.82	.96	1.22	1.62	2.24	2.51	2.66	2.85
6-27	.66	.87	1.08	1.28	1.54	2.01	2.23	2.40	2.46	2.53
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

TABLE 221.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1766, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.50	0.56	0.60	0.63	0.68	0.75	0.85	0.97	1.07	1.25
5-16	.43	.51	.55	.59	.64	.70	.79	.90	.99	1.18
5-19	.40	.49	.55	.60	.68	.78	.88	1.03	1.24	1.53
5-21	.48	.56	.61	.65	.72	.80	.89	1.00	1.20	1.39
5-22	.44	.51	.56	.60	.66	.75	.86	.97	1.09	1.38
5-24	.52	.60	.65	.69	.77	.89	1.02	1.23	1.45	1.80
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.45	.52	.57	.61	.67	.75	.83	.94	1.07	1.29
5-28	.47	.56	.62	.67	.75	.85	.96	1.07	1.16	1.38
5-29	.50	.57	.60	.63	.68	.74	.79	.87	.96	1.08
5-30	.45	.53	.57	.61	.67	.76	.84	.96	1.12	1.41
6- 1	.41	.49	.53	.56	.62	.68	.76	.89	.99	1.20
6- 3	.46	.53	.57	.60	.66	.72	.79	.88	.98	1.16
6- 5	.46	.52	.56	.59	.64	.69	.75	.86	1.03	1.22
6- 7	.44	.53	.58	.63	.70	.81	.89	.97	1.16	1.37
6- 9	.42	.51	.56	.60	.67	.76	.83	.93	1.07	1.32
6-10	.40	.48	.52	.56	.62	.69	.75	.83	.90	1.01
6-11	.43	.52	.58	.63	.71	.80	.89	1.01	1.17	1.48
6-12	.50	.57	.61	.65	.71	.81	.90	1.05	1.25	1.68
6-13	.49	.58	.62	.67	.73	.82	.92	1.07	1.27	1.68
6-14	.47	.55	.60	.64	.70	.78	.86	.97	1.13	1.42
6-15	.44	.53	.58	.62	.69	.78	.84	.98	1.15	1.35
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.48	.55	.60	.64	.70	.79	.89	1.04	1.18	1.38
6-18	.45	.52	.57	.61	.67	.74	.81	.89	.97	1.17
6-19	.49	.57	.61	.66	.72	.80	.89	1.02	1.16	1.33
6-20	.48	.56	.60	.64	.71	.80	.88	.97	1.09	1.31
6-21	.50	.59	.64	.69	.76	.85	.95	1.11	1.28	1.68
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.48	.55	.58	.62	.67	.73	.80	.91	1.02	1.17
6-25	.47	.55	.60	.65	.73	.85	1.02	1.19	1.40	1.89
6-27	.49	.57	.61	.66	.72	.81	.88	.97	1.10	1.33
6-29(1)	--	--	--	--	--	--	--	--	--	--

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.58	0.68	0.77	0.89	1.06	1.37	1.58	1.98	2.13	2.32
5-16	.53	.65	.74	.87	1.07	1.49	1.79	2.55	3.40	3.51
5-19	.58	.78	.94	1.17	1.47	2.04	2.20	2.38	2.44	2.51
5-21	.61	.75	.85	.98	1.26	1.61	2.02	2.17	2.32	2.44
5-22	.57	.72	.87	1.01	1.38	1.89	2.18	2.65	2.88	2.97
5-24	.68	.90	1.10	1.32	1.65	2.07	2.30	3.15	3.42	3.53
5-26(1)	--	--	--	--	--	--	--	--	--	--
5-27	.57	.70	.80	.94	1.18	1.58	2.03	2.57	3.36	3.48
5-28	.60	.75	.84	.95	1.08	1.23	1.43	1.58	1.69	1.75
5-29	.57	.65	.69	.75	.84	.99	1.10	1.32	1.53	1.80
5-30	.57	.70	.82	.96	1.25	1.58	1.84	2.41	2.61	2.85
6- 1	.51	.65	.76	.91	1.19	1.53	3.40	3.48	3.54	3.63
6- 3	.55	.67	.75	.85	1.07	1.63	1.98	2.49	2.68	2.88
6- 5	.54	.65	.72	.85	1.14	1.51	1.87	2.51	2.70	2.88
6- 7	.58	.73	.85	.94	1.20	1.43	1.66	2.11	2.46	2.85
6- 9	.55	.70	.80	.92	1.20	1.53	1.87	2.44	2.63	2.86
6-10	.47	.58	.64	.70	.80	.92	1.01	1.17	1.39	1.54
6-11	.59	.77	.89	1.05	1.37	1.82	2.18	2.65	2.87	2.96
6-12	.65	.85	1.08	1.40	2.08	2.68	2.99	3.31	3.43	3.54
6-13	.66	.85	1.05	1.34	1.91	2.55	2.83	2.90	2.96	3.04
6-14	.59	.72	.81	.93	1.19	1.50	1.72	1.94	2.40	2.81
6-15	.58	.73	.83	.98	1.26	1.64	2.07	2.52	2.78	3.47
6-16(1)	--	--	--	--	--	--	--	--	--	--
6-17	.61	.76	.92	1.08	1.35	1.95	2.64	2.86	2.93	3.01
6-18	.54	.65	.72	.80	.93	1.16	1.36	1.62	2.13	2.37
6-19	.60	.71	.79	.89	1.06	1.25	1.38	1.52	1.65	1.82
6-20	.59	.71	.80	.90	1.05	1.32	1.58	1.89	2.03	2.10
6-21	.66	.82	.96	1.15	1.50	1.97	2.37	2.43	2.49	2.55
6-22(1)	--	--	--	--	--	--	--	--	--	--
6-23	.56	.66	.72	.82	.99	1.19	1.65	1.87	2.02	2.09
6-25	.66	.95	1.15	1.39	1.86	2.16	2.35	3.22	3.42	3.53
6-27	.60	.73	.81	.91	1.09	1.39	1.66	2.01	2.33	2.46
6-29(1)	--	--	--	--	--	--	--	--	--	--

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 222.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1800, EAST FORK RIVER, WYOMING, 1980

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
	5	16	25	35	50	65	75	84	90	95
5-14	0.40	0.49	0.55	0.60	0.68	0.79	0.88	0.99	1.12	1.44
5-16	.42	.51	.56	.61	.69	.76	.82	.95	1.15	1.41
5-19	.46	.53	.57	.60	.65	.70	.77	.88	1.01	1.16
5-21	.47	.54	.58	.62	.67	.74	.80	.88	.95	1.12
5-22	.44	.50	.53	.57	.62	.67	.71	.80	.90	1.06
5-24	.48	.57	.62	.67	.76	.87	.96	1.09	1.22	1.37
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.45	.53	.57	.61	.67	.75	.85	1.02	1.23	1.49
5-28	.46	.52	.56	.59	.64	.69	.75	.83	.96	1.14
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.45	.53	.57	.61	.67	.77	.89	1.03	1.17	1.41
6- 1	.44	.50	.54	.57	.62	.68	.73	.82	.91	1.07
6- 3	.44	.50	.54	.57	.63	.68	.74	.82	.96	1.17
6- 5	.45	.52	.56	.60	.65	.71	.78	.87	.98	1.13
6- 7	.48	.55	.59	.63	.69	.76	.83	.94	1.07	1.41
6- 9	.40	.47	.51	.55	.61	.67	.73	.83	.93	1.08
6-10	.47	.55	.59	.63	.69	.77	.86	.99	1.15	1.37
6-11	.45	.53	.57	.62	.68	.77	.87	.99	1.17	1.44
6-12	.48	.56	.60	.63	.69	.79	.90	1.04	1.22	1.62
6-13	.52	.59	.64	.68	.75	.85	.99	1.14	1.33	1.62
6-14	.47	.53	.56	.59	.63	.68	.72	.81	.90	1.04
6-15	.44	.51	.55	.59	.65	.71	.79	.92	1.09	1.41
6-16(1)	—	—	—	—	—	—	—	—	—	—
6-17	.44	.52	.56	.60	.66	.74	.81	.91	1.01	1.13
6-18	.47	.55	.59	.63	.69	.78	.88	1.02	1.15	1.35
6-19	.42	.50	.55	.59	.66	.73	.78	.86	.97	1.20
6-20	.46	.53	.56	.60	.65	.71	.77	.84	.91	1.00
6-21	.53	.62	.67	.72	.81	.92	1.02	1.17	1.34	1.58
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.47	.54	.58	.61	.66	.73	.79	.87	.95	1.21
6-25	.45	.53	.57	.62	.68	.77	.86	1.02	1.18	1.52
6-27	.48	.55	.59	.62	.67	.74	.82	.93	1.05	1.23
6-29(1)	—	—	—	—	—	—	—	—	—	—

DATE	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
	5	16	25	35	50	65	75	84	90	95
5-14	0.56	0.74	0.86	0.99	1.26	1.60	1.84	2.69	2.88	2.98
5-16	.56	.72	.81	.95	1.28	1.67	1.93	2.15	2.34	2.45
5-19	.54	.63	.69	.77	.94	1.13	1.29	1.59	1.88	2.05
5-21	.55	.65	.71	.78	.90	1.09	1.43	1.62	1.86	2.05
5-22	.49	.58	.64	.69	.81	.99	1.17	1.37	1.68	1.74
5-24	.62	.78	.88	.98	1.16	1.34	1.69	1.84	1.97	2.21
5-26(1)	—	—	—	—	—	—	—	—	—	—
5-27	.59	.74	.92	1.16	1.43	1.83	2.41	2.87	2.93	3.02
5-28	.53	.62	.67	.74	.87	1.10	1.27	1.50	1.76	2.39
5-29(1)	—	—	—	—	—	—	—	—	—	—
5-30	.59	.76	.93	1.09	1.40	2.06	2.29	2.42	2.47	2.54
6- 1	.50	.59	.64	.69	.81	.95	1.12	1.27	1.37	1.45
6- 3	.50	.60	.65	.71	.84	1.07	1.21	1.30	1.39	1.52
6- 5	.53	.63	.69	.77	.91	1.10	1.33	1.52	1.64	2.05
6- 7	.60	.73	.85	.99	1.51	1.91	2.45	2.73	2.87	2.97
6- 9	.47	.59	.66	.74	.92	1.13	1.47	1.69	1.97	2.92
6-10	.58	.70	.81	.93	1.16	1.40	1.73	1.92	2.03	2.09
6-11	.58	.73	.87	1.00	1.32	1.70	2.11	2.40	2.46	2.53
6-12	.63	.84	1.02	1.28	1.82	2.43	2.73	2.88	2.94	3.02
6-13	.65	.81	.98	1.14	1.44	1.75	2.02	2.45	2.66	3.42
6-14	.52	.61	.66	.71	.86	1.08	1.45	1.78	1.99	2.93
6-15	.55	.70	.82	1.05	1.46	1.94	2.33	2.95	3.31	3.47
6-16(1)	—	—	—	—	—	—	—	—	—	—
6-17	.53	.64	.70	.78	.91	1.05	1.16	1.34	1.57	1.72
6-18	.58	.70	.81	.94	1.12	1.34	1.54	1.79	1.98	2.07
6-19	.55	.69	.78	.90	1.25	1.98	3.38	3.46	3.53	3.62
6-20	.52	.61	.66	.71	.79	.88	.95	1.05	1.15	1.26
6-21	.68	.87	.98	1.13	1.40	1.72	2.08	2.37	2.89	2.98
6-22(1)	—	—	—	—	—	—	—	—	—	—
6-23	.56	.66	.73	.82	.99	1.43	1.73	2.24	2.62	2.89
6-25	.58	.74	.88	1.07	1.39	1.76	1.94	2.25	2.87	2.97
6-27	.56	.66	.73	.81	.99	1.18	1.35	1.52	1.65	2.33
6-29(1)	—	—	—	—	—	—	—	—	—	—

(1) NO SAMPLE COLLECTED AT THIS SECTION.

TABLE 223.- SUMMARY OF STATISTICAL DATA, GRAIN-SIZE DISTRIBUTION OF BEDLOAD, SECTION 1830, EAST FORK RIVER, WYOMING, 1980

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY NUMBER OF PARTICLES									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.46	0.54	0.58	0.62	0.67	0.75	0.84	0.97	1.11	1.41
5-16	.46	.53	.57	.62	.67	.77	.88	1.04	1.29	1.75
5-19	.43	.50	.54	.59	.65	.71	.80	.90	.99	1.19
5-21	.39	.47	.51	.55	.61	.68	.74	.81	.89	1.01
5-22	.46	.53	.57	.61	.67	.74	.81	.90	1.01	1.18
5-24	.54	.63	.68	.74	.83	.96	1.10	1.30	1.56	1.97
5-26(1)	---	---	---	---	---	---	---	---	---	---
5-27	.45	.52	.56	.59	.64	.70	.76	.84	1.01	1.18
5-28	.43	.50	.53	.57	.62	.68	.74	.82	.92	1.08
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.41	.51	.56	.61	.69	.79	.89	1.03	1.23	1.68
6- 1	.38	.45	.49	.54	.60	.67	.73	.82	.92	1.09
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5	.47	.54	.58	.62	.67	.75	.83	.93	1.05	1.29
6- 7	.45	.51	.54	.58	.62	.67	.71	.80	.89	1.01
6- 9	.45	.51	.54	.57	.61	.65	.68	.73	.79	.89
6-10	.45	.51	.55	.59	.64	.70	.76	.85	.97	1.14
6-11	.47	.56	.61	.66	.73	.82	.91	1.06	1.23	1.52
6-12	.46	.54	.58	.63	.69	.79	.89	1.00	1.20	1.49
6-13	.47	.54	.57	.61	.65	.71	.77	.84	.98	1.17
6-14	.46	.53	.56	.60	.64	.69	.76	.86	.99	1.25
6-15	.45	.53	.57	.61	.67	.74	.81	.92	1.04	1.22
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.49	.55	.59	.62	.67	.73	.81	.92	1.05	1.31
6-18	.47	.54	.58	.61	.66	.72	.81	.92	1.06	1.35
6-19	.48	.56	.61	.65	.72	.80	.86	.95	1.06	1.25
6-20	.46	.55	.60	.64	.71	.80	.89	1.02	1.17	1.44
6-21	.48	.56	.61	.66	.73	.83	.92	1.04	1.17	1.31
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.49	.56	.60	.64	.69	.76	.83	.93	1.04	1.25
6-25	.45	.53	.58	.63	.69	.79	.88	1.03	1.27	1.59
6-27	.47	.53	.57	.60	.65	.70	.77	.87	.97	1.13
6-29(1)	---	---	---	---	---	---	---	---	---	---

	GRAIN SIZE, IN MILLIMETERS, AT GIVEN PERCENT FINER BY WEIGHT									
DATE	5	16	25	35	50	65	75	84	90	95
5-14	0.57	0.70	0.81	0.95	1.20	1.58	1.79	2.02	2.34	2.46
5-16	.60	.79	.98	1.22	1.66	2.03	2.20	2.40	2.56	2.78
5-19	.52	.64	.71	.82	.96	1.20	1.41	1.60	2.20	2.90
5-21	.46	.57	.63	.69	.79	.91	1.03	1.18	1.45	1.63
5-22	.57	.69	.79	.91	1.17	2.03	2.29	2.58	3.37	3.49
5-24	.73	.96	1.14	1.35	1.74	2.10	2.38	2.66	2.85	2.95
5-26(1)	---	---	---	---	---	---	---	---	---	---
5-27	.52	.62	.68	.75	.90	1.11	1.24	1.38	1.53	1.80
5-28	.50	.60	.67	.74	.89	1.12	1.40	2.02	2.18	2.39
5-29(1)	---	---	---	---	---	---	---	---	---	---
5-30	.60	.81	.97	1.22	1.72	2.12	2.36	2.50	2.62	2.78
6- 1	.44	.56	.63	.70	.82	.98	1.13	1.27	1.37	1.45
6- 3(2)	---	---	---	---	---	---	---	---	---	---
6- 5	.57	.68	.77	.89	1.09	1.45	1.74	1.95	2.18	2.87
6- 7	.50	.59	.64	.68	.80	.95	1.13	1.33	2.00	2.08
6- 9	.49	.57	.61	.66	.73	.87	1.10	2.40	2.46	2.53
6-10	.51	.61	.67	.73	.86	1.03	1.17	1.30	1.42	1.54
6-11	.62	.77	.88	1.03	1.30	1.67	1.99	2.15	2.30	2.43
6-12	.59	.73	.87	.99	1.30	1.57	1.81	2.14	2.42	2.84
6-13	.54	.64	.69	.76	.92	1.17	1.43	1.65	1.77	1.91
6-14	.55	.66	.75	.90	1.26	1.88	2.16	2.84	2.91	3.00
6-15	.57	.71	.82	.98	1.29	2.17	2.79	3.44	3.51	3.61
6-16(1)	---	---	---	---	---	---	---	---	---	---
6-17	.58	.68	.77	.90	1.15	1.56	1.84	2.19	2.53	2.87
6-18	.56	.66	.74	.85	1.06	1.40	1.51	1.64	2.01	2.08
6-19	.59	.71	.79	.88	1.03	1.29	1.63	2.06	2.38	2.46
6-20	.59	.73	.82	.94	1.14	1.42	1.58	1.74	1.86	2.01
6-21	.61	.75	.85	.96	1.15	1.34	1.55	2.29	2.88	2.98
6-22(1)	---	---	---	---	---	---	---	---	---	---
6-23	.58	.69	.78	.87	1.06	1.43	1.68	2.20	2.54	2.87
6-25	.61	.78	.94	1.20	1.55	1.94	2.39	2.52	2.64	2.80
6-27	.55	.65	.72	.85	1.07	1.58	2.43	2.58	2.73	2.88
6-29(1)	---	---	---	---	---	---	---	---	---	---

(1) NO SAMPLE COLLECTED AT THIS SECTION.
(2) SIZE DATA NOT DETERMINED FOR SAMPLE COLLECTED AT THIS SECTION.

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