

DATA FOR CALIBRATING UNSTEADY-FLOW SEDIMENT-TRANSPORT MODELS,  
EAST FORK RIVER, WYOMING, 1975

---

U.S. GEOLOGICAL SURVEY

Open-File Report 76-22



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

DATA FOR CALIBRATING UNSTEADY-FLOW SEDIMENT-TRANSPORT MODELS,  
EAST FORK RIVER, WYOMING, 1975

By Holly A. Mahoney, Edmund D. Andrews, William W. Emmett,  
Luna B. Leopold, Robert H. Meade, Robert M. Myrick, and Carl F. Nordin

---

Open-File Report 76-22



Denver, Colorado

December 1976

UNITED STATES DEPARTMENT OF THE INTERIOR

Thomas S. Kleppe, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

---

For additional information write to:

U.S. Geological Survey  
Water Resources Division  
Box 25046, Denver Federal Center  
Denver, Colorado 80225

## Contents

	Page
Conversion factors. . . . .	IX
Abstract. . . . .	1
Introduction. . . . .	2
Physiography and hydrology. . . . .	2
Data collection . . . . .	10
References cited. . . . .	20

## Illustrations

	Page
Figure 1.--Watershed of the East Fork River upstream of the study reach . . . . .	3
2. Longitudinal profile of the East Fork River, Wyo. . . .	5
3. Annual flood-frequency curve for the East Fork River near Big Sandy, Wyo. . . . .	7
4. Flow duration curve, East Fork River near Big Sandy, Wyo., for the period of record, 1939-73 . . . . .	8
5. Mean monthly flow, East Fork River near Big Sandy, Wyo., for the period of record, 1939-73 . . . . .	9
6. Stage-record for section B-17, for a 5-day period in June, showing diurnal fluctuations in stage. . . .	11
7. Sketch map of the study reach showing locations of the cross sections . . . . .	13
8. Water-surface elevations for sections in the study reach. A. B-3 through B-17, May 23, 1975. B. B-2 through B-17, June 15, 1975 . . . . .	14
9. Rating curve for section B-1, East Fork River, Wyo. . .	15
10. Rating curve for section B-10, East Fork River, Wyo. .	16
11. Rating curve for section B-17, East Fork River, Wyo. .	17
12. Rating curve for the gage on Muddy Creek, Wyo. . . . .	18

# Tables

	Page
Table 1. Distances of cross sections from section B-1 and elevations of zero gage heights. . . . .	22
2. Cross-section measurements, East Fork River, section A-1. . . . .	23
3. Cross-section measurements, East Fork River, section B-1 (A-2). . . . .	33
4. Cross-section measurements, East Fork River, section A-3. . . . .	41
5. Cross-section measurements, East Fork River, section B-2. . . . .	52
6. Cross-section measurements, East Fork River, section B-3. . . . .	63
7. Cross-section measurements, East Fork River, section B-4. . . . .	73
8. Cross-section measurements, East Fork River, section B-5E . . . . .	86
9. Cross-section measurements, East Fork River, section B-5M . . . . .	94
10. Cross-section measurements, East Fork River, section B-6. . . . .	100
11. Cross-section measurements, East Fork River, section B-7. . . . .	109
12. Cross-section measurements, East Fork River, section B-8. . . . .	120

# Tables--Continued

	Page
Table 13. Cross-section measurements, East Fork River, section B-9. . . . .	128
14. Cross-section measurements, East Fork River, section B-10 . . . . .	142
15. Cross-section measurements, East Fork River, section B-11 . . . . .	158
16. Cross-section measurements, East Fork River, section B-12 . . . . .	168
17. Cross-section measurements, East Fork River, section B-13 . . . . .	178
18. Cross-section measurements, East Fork River, section B-14 . . . . .	191
19. Cross-section measurements, East Fork River, section B-15 . . . . .	202
20. Cross-section measurements, East Fork River, section B-16 . . . . .	213
21. Miscellaneous staff-gage readings for the period May 22 to June 18, 1975. . . . .	222
22. Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, section B-1. . . . .	225
23. Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, section B-10 . . . . .	230

# Tables--Continued

	Page
Table 24. Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, section B-17. . . . .	235
25. Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, Muddy Creek at gage . . . . .	241
26. Summary of water discharge measurements, East Fork River, section B-1. . . . .	246
27. Summary of water discharge measurements, East Fork River, section B-10 . . . . .	247
28. Summary of water discharge measurements, East Fork River, section B-17 . . . . .	248
29. Summary of water discharge measurements, Muddy Creek at gage . . . . .	250
30. Summary of instantaneous water temperature observations and suspended sediment concentration measurements, East Fork River . . . . .	252
31. Summary of instantaneous water temperature observations and suspended sediment concentration measurements, Muddy Creek at gage . . . . .	256
32. Particle-size distribution of bed material, East Fork River . . . . .	259
33. Particle-size distribution of bed material, Muddy Creek . . . . .	261



# Tables--Continued

	Page
Table 34. Summary of bedload transport, East Fork River, section B-1. . . . .	262
35. Summary of bedload transport, East Fork River, section B-17 . . . . .	267
36. Summary of bedload transport, Muddy Creek at gage. .	275
37. Particle-size distribution of bedload sediment, East Fork River section B-1. . . . .	281
38. Particle-size distribution of bedload sediment, East Fork River, section B-17 . . . . .	284
39. Particle-size distribution of bedload sediment, Muddy Creek at gage. . . . .	290

## Conversion factors

(Multiply English units by factor given to obtain metric units;

divide metric units by factor to obtain English units.)

### Length

inches (in)	25.4	millimeters (mm)
	.0254	meters (m)
feet (ft)	.3048	meters (m)
miles (mi)	1.609	kilometers (km)

### Area

square miles (mi <sup>2</sup> )	2.590	square kilometers (km <sup>2</sup> )
---------------------------------	-------	--------------------------------------

### Volume

cubic feet (ft <sup>3</sup> )	28.32	cubic decimeters (dm <sup>3</sup> )
	.02382	cubic meters (m <sup>3</sup> )

### Flow

cubic feet per		
second (ft <sup>3</sup> /s)	28.32	liters per second (l/s)
	28.32	cubic decimeters per second
		(dm <sup>3</sup> /s)
	.02832	cubic meters per second
		(m <sup>3</sup> /s)



# DATA FOR CALIBRATING UNSTEADY-FLOW SEDIMENT-TRANSPORT MODELS

EAST FORK RIVER, WYOMING, 1975

---

By Holly A. Mahoney, Edmund D. Andrews, William W. Emmett,  
Luna B. Leopold, Robert H. Meade, Robert M. Myrick, and Carl F. Nordin

---

## ABSTRACT

In 1975, data to calibrate a one-dimensional unsteady-flow and sediment-transport routing model were collected on a reach of the East Fork River of western Wyoming. The reach, 3.1 miles (5 kilometers) in length, was immediately upstream from a previously established bedload sampling station. Nineteen channel cross sections were sounded at regular intervals during the spring-runoff period. Four stage recorders provided continuous records of water-surface elevations. Samples of bed material at most of the cross sections were obtained prior to high water. Streamflow and sediment-discharge measurements were collected at four of the sections.

The physiography and hydrology of the contributing watershed, the study reach, and the equipment and techniques used in data collection are described briefly. The bulk of the report is a presentation of data for the several-week period of late May to early June 1975, for which concurrent water discharge data, bedload transport and size data, and cross-section depth measurements were collected. In addition, some data collected in 1973 and 1974 and before and after the calibration period in 1975 are included for completeness.

## INTRODUCTION

In 1975, data to calibrate a one-dimensional unsteady-flow and sediment-transport model were collected on a reach of the East Fork River near Boulder, Wyo. A bedload trap at the downstream end of the reach provided accurate sediment-discharge measurements for the model calibration and served as a control structure for both the stage-discharge relation and the streambed elevation for the downstream boundary conditions of the model. Leopold and Emmett (1976) describe the trap and bedload data collected through 1975.

This report presents the basic data collected for the model calibration. In addition, for completeness, some data collected before and after the calibration period are included.

In the following section, the river and the drainage basin are described briefly, and some background physiographic and hydrologic data are presented. This is followed by a description of the study reach, the instrumentation, and the data-collection procedures. Finally, the data are presented in figures and tables.

## PHYSIOGRAPHY AND HYDROLOGY

The East Fork River rises in the Wind River Range of Wyoming west of the Continental Divide and east and south of the multiple summits of Mt. Bonneville (fig. 1). From a series of small alpine lakes and an elevation of approximately 11,150 ft (3,399 m), the East Fork River descends more than 4,000 ft (1,219 m) in 33 river mi (53 km) to the study reach covered in this report. Downstream from the study reach, it continues another 30 mi (48 km) to its confluence with the New Fork River, tributary to the Green River. The longitudinal profile of the East Fork River is shown in

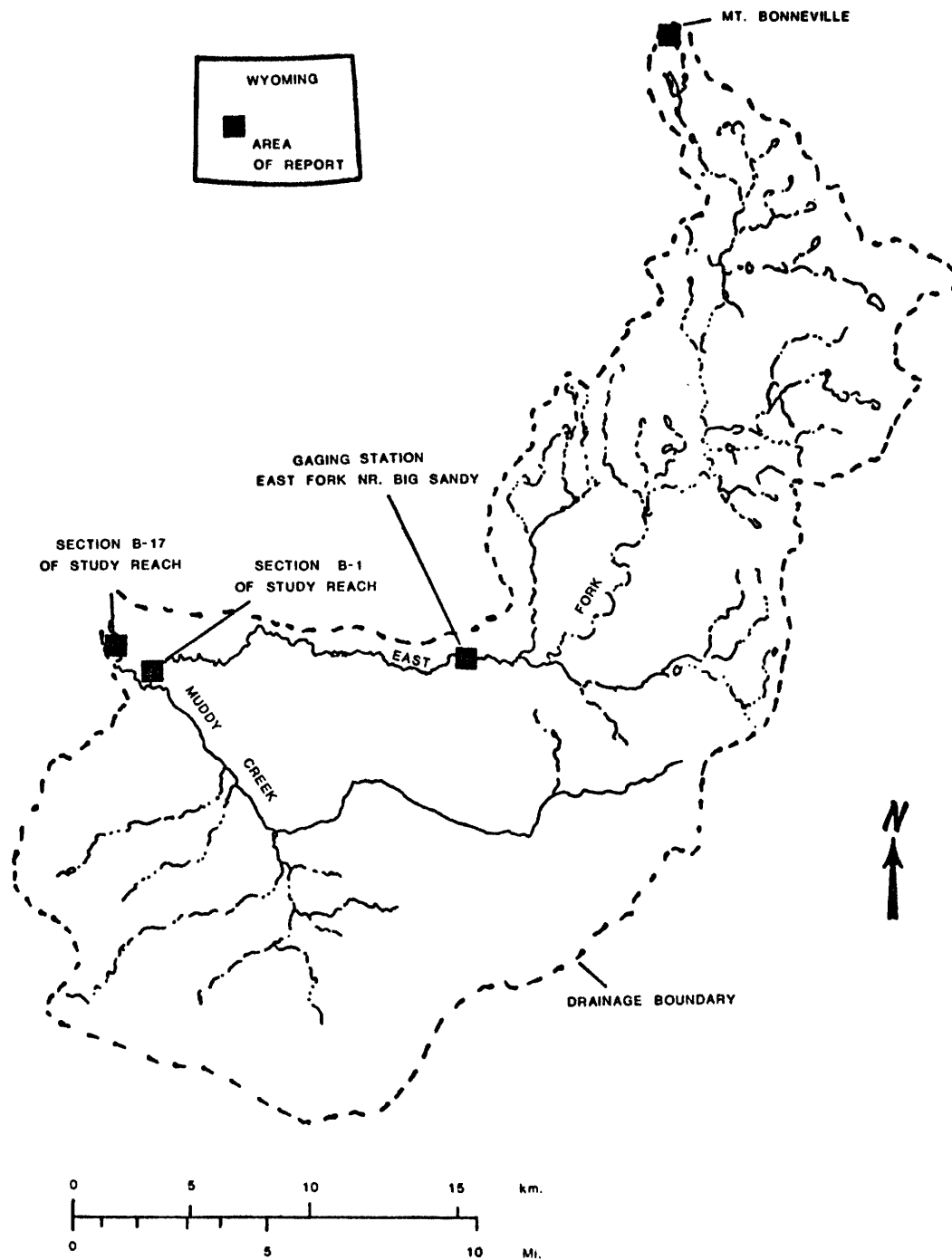


Figure 1.--Watershed of the East Fork River upstream of the study reach.

figure 2. Along its course, the East Fork River traverses several distinct geologic and topographic units and vegetation zones.

From its source to an elevation of approximately 8,000 ft (2,438 m), the East Fork River flows southward and westward, draining the rugged granitic and metamorphic terrain of the Wind River Range. From approximate elevations of 8,000 to 7,200 ft (2,438 to 2,195 m), the East Fork continues southwestward across morainal debris deposited during episodes of Pleistocene glaciation. These deposits abut the escarpment that bounds the mountains on the southwest and marks the eastern edge of the Bridger Basin, a structural and topographic intermontane depression. Southwestward from the distal margins of the moraines extends a succession of glacial-outwash terraces. These terraces blanket semiconsolidated fluvial and lacustrine sediments deposited during the Eocene epoch in the Bridger Basin (Moss, 1951; Holmes and Moss, 1955). Although several lower Tertiary formations have been identified in the Basin, only the oldest of these, the Wasatch Formation, is exposed in the study area, where it underlies Quaternary alluvial fill and forms some of the high terraces.

Mean annual precipitation in the drainage basin ranges from 12 in (.305 m) in the vicinity of the study reach to an estimated 48 in (1.22 m) in the headwaters of the watershed (National Oceanographic and Atmospheric Administration, 1974). Most of the precipitation occurs as snow. This can be compared to a mean annual runoff of 17.3 in (.439 m) at the East Fork River near Big Sandy gaging station, which is located approximately 14 river mi (22.5 km) upstream of the study area. In January, mean monthly temperatures range from a minimum of  $-20^{\circ}\text{C}$  and a maximum of  $-4^{\circ}\text{C}$  at lower elevations to an estimated minimum of  $-22^{\circ}\text{C}$  and a maximum of  $-7^{\circ}\text{C}$  near the mountain crest. Mean July temperatures vary from a  $4^{\circ}\text{C}$  minimum and a  $27^{\circ}\text{C}$

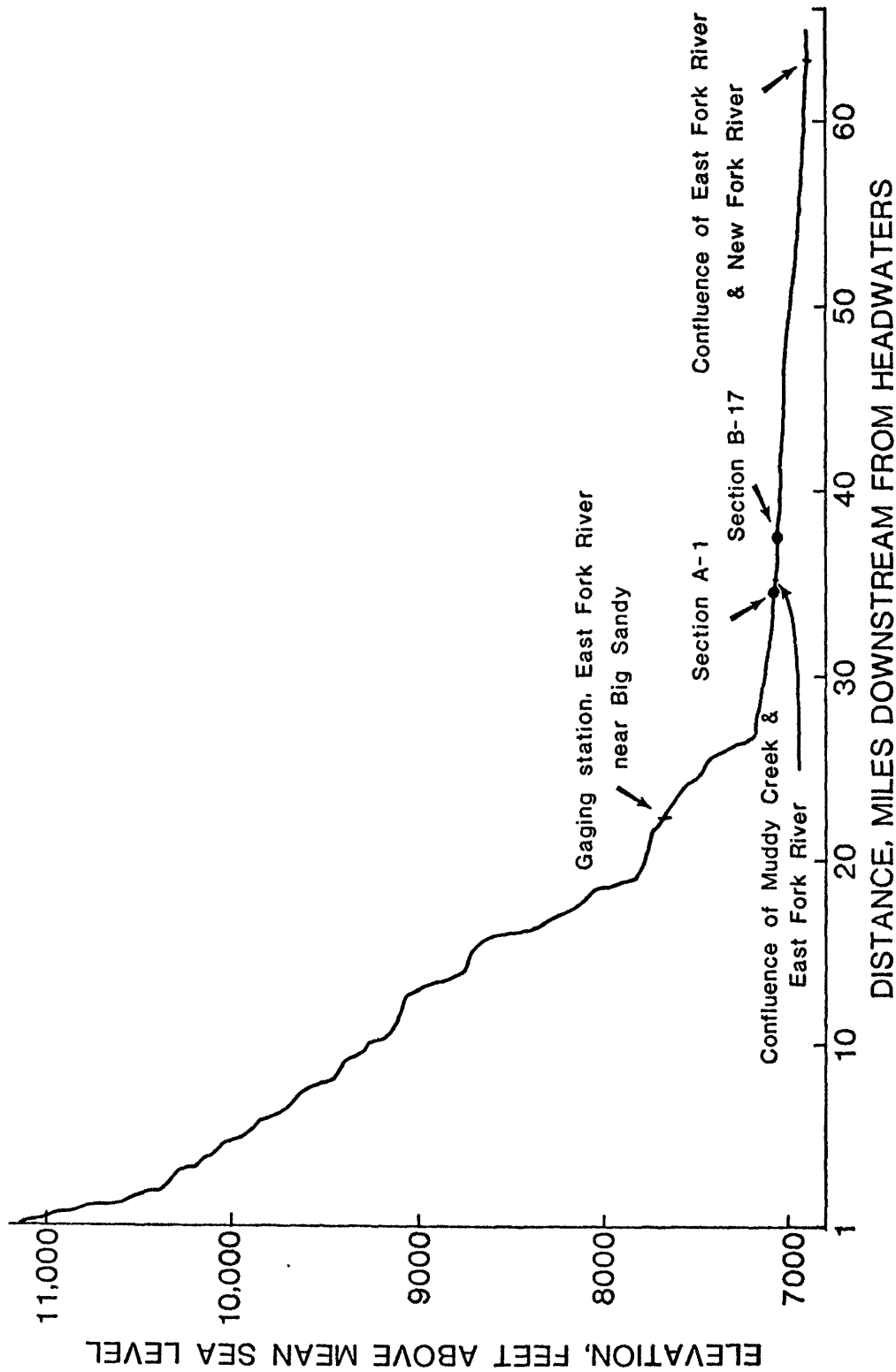


Figure 2.--Longitudinal profile of the East Fork River, Wyoming



maximum at lower elevations to an estimated 2°C minimum and a 22°C maximum along the divide (National Oceanographic and Atmospheric Administration, 1974). Vegetative cover in the area reflects the changes in moisture, temperature, and exposure that occur systematically from lower to higher elevations. In the area from the study reach east to the Continental Divide, Küchler (1964) has delimited four vegetation types: Sagebrush steppe, Douglas-fir forest, Western spruce-fir forest, and Alpine meadows and barren. A large number of plant species are included, ranging from desert shrubs, grasses and willows at lower elevations to alpine grasses, sedges, and herbaceous species in the vicinity of the headwaters. More detailed descriptions of the vegetative assemblages occurring in this part of Wyoming are given by Küchler (1964) and Moss (1951).

A continuous stage recorder has been operated at the bedload project for only 3 years. Consequently, neither flood-frequency nor flow-duration relations can be computed directly for the study reach. However, the U.S. Geological Survey gaging station on the East Fork River near Big Sandy (fig.1) has operated continuously since 1939. Flood-frequency and flow-duration curves and a plot of mean monthly flow have been constructed using data from this gage (figs. 3-5). The same type of plots constructed for flow at the bedload trap would reflect contributions in discharge from Muddy Creek. Muddy Creek's influence is discussed briefly later in the text.

The major source of runoff is spring snowmelt in the mountains. Figure 5 indicates that the highest volume of flow occurs from May to July, and that approximately 86 percent of the total annual flow is discharged during this period. Continuous stage records collected at three stations in the study reach indicate that during the period of spring runoff, a diurnal

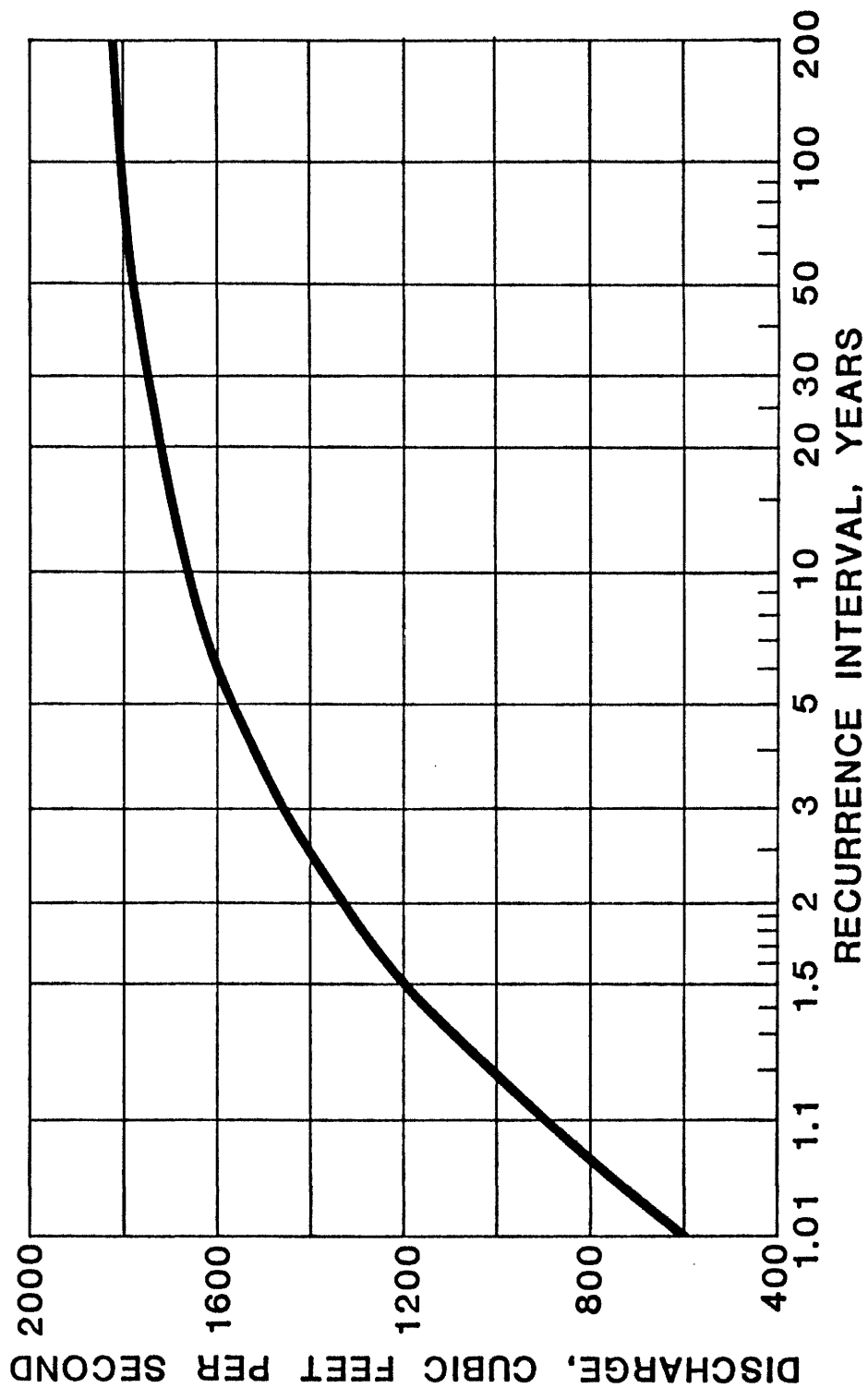


Figure 3.--Annual flood frequency curve for the East Fork River near Big Sandy, Wyoming. The curve is a log-Pearson type III distribution fitted to the 37-year record of data (1939-1975) from the gaging station.

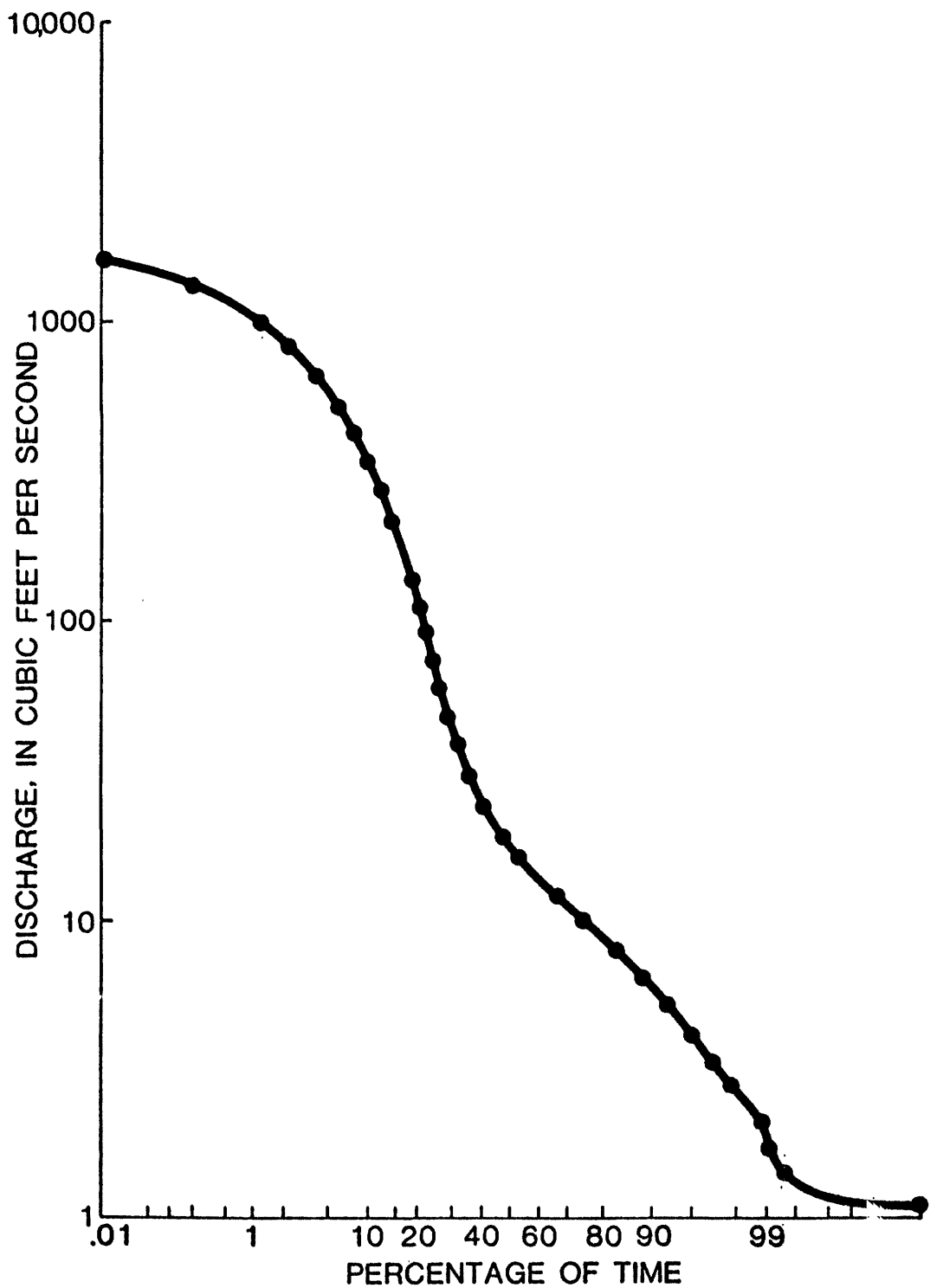


Figure 4.--Flow duration curve, East Fork River near Big Sandy, Wyoming, for the period of record, 1939-1973.

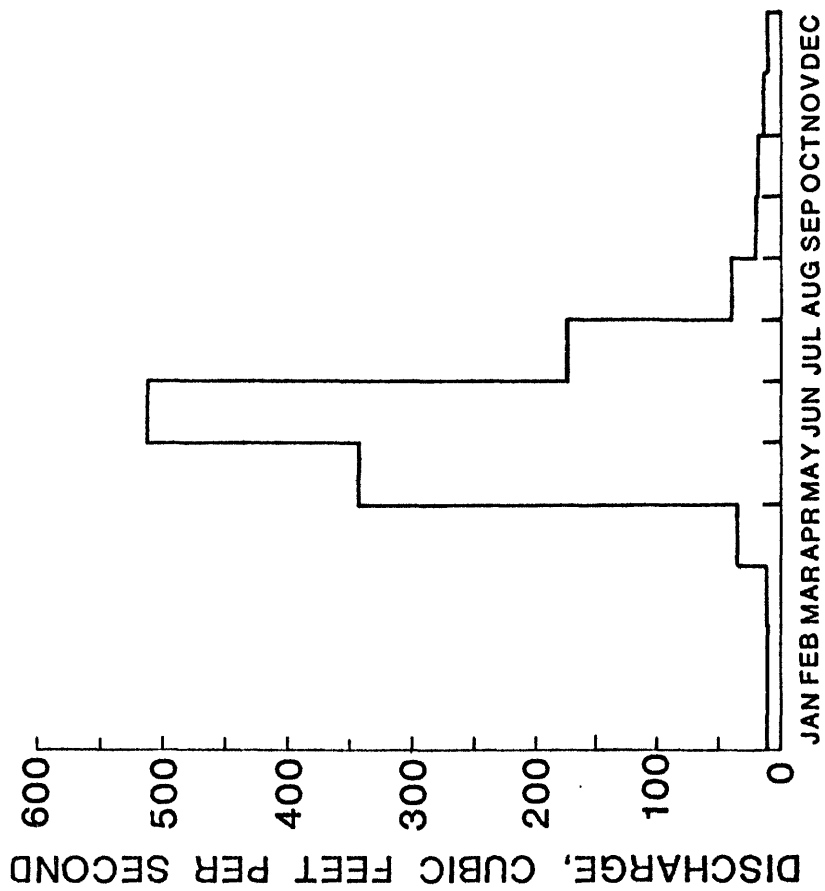


Figure 5.--Mean monthly flow, East Fork River near Big Sandy, Wyoming, for the period of record, 1939-1973.

fluctuation in stage occurs. Typical daily flows are characterized by a rising stage during the morning, a peak stage at mid-day, and a falling stage during the afternoon (fig. 6). During the spring-runoff season, discharge in the study reach reflects snowmelt in the mountains from the previous day.

The study reach is approximately 3.1 mi (5 km) in length; its downstream limit coincides with the bedload trap established on the East Fork River in 1973 and described by Leopold and Emmett (1976). Average topographic slope in the vicinity of the bedload trap is about 0.0007. Drainage area for the river basin upstream from the bedload trap is 180 mi<sup>2</sup> (466 km<sup>2</sup>). About half of this area is drained by Muddy Creek, which joins the East Fork River within the study reach about 2.5 mi (4 km) above the bedload trap. Data collected by Andrews (personal communication) indicate Muddy Creek peaks in late April or early May and contributes less than 5 percent of the discharge recorded during the peak-flow period at the bedload trap. This is attributable to the fact that Muddy Creek drains an area of low rolling hills that, compared to the higher elevations drained by the East Fork above the study reach, receives smaller amounts of annual precipitation and has an earlier spring snowmelt runoff.

#### DATA COLLECTION

In late May of 1975, 19 channel cross sections were selected for study upstream of the bedload trap. The sections represent typical conditions within the reach. Channel sections were marked with metal posts driven into the ground shoreward from each bank. A bench mark for lateral stationing was established near the left bank of each section with a piece of steel reinforcing bar driven into the ground in line with the section. A staff gage installed at each section was referenced to mean sea level.

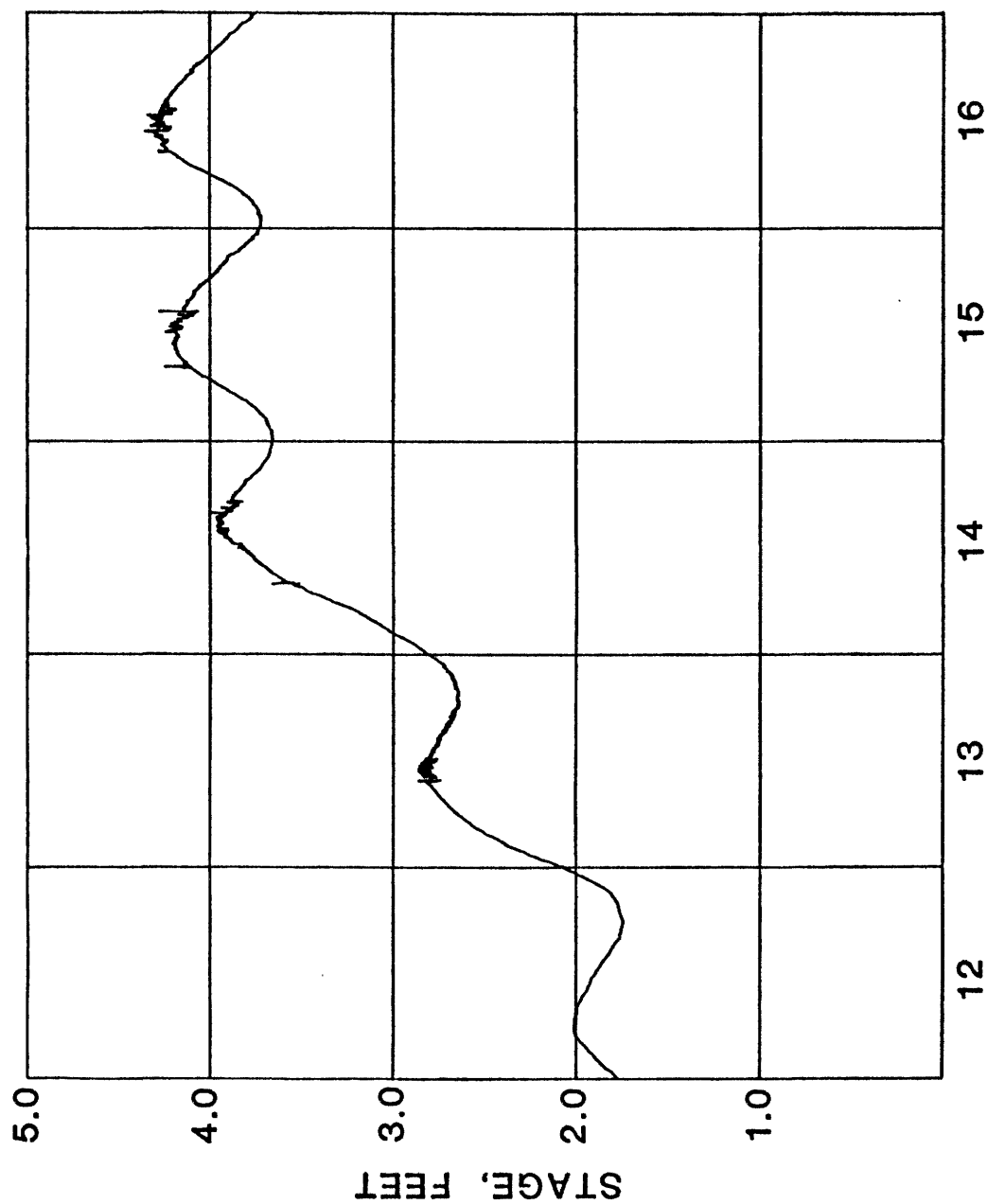


Figure 6.--Stage record for section B-17 for a five-day period in June, showing diurnal fluctuations in stage. The apparent surge around mid-day resulted from operation of the bedload trap, and the higher spikes in the record are indicators for time checks.

A sketch of the reach (fig. 7) shows the locations of the cross sections. Distances between cross sections and the elevation of zero gage height for each section are listed in table 1.

Between May 29 and June 17, 1975, depth measurements were made at each cross section on a regular (usually every other day) basis. Measurements were made from a boat attached to a beaded cable stretched between the section end points. The beaded cable enabled cross-channel positioning, and depths were measured with a rod scribed at 0.1-foot increments. Wherever possible, visual observations were made of the bed material and bed form. Gage heights were recorded for each section at time of measurement. The data collected in this manner are presented in tables 2-20.

On days for which no cross-section measurements were made, staff-gage readings were collected at the cross sections. These data are summarized in table 21. Figures 8A and 8B show water-surface elevations plotted from data collected on May 23 and June 15, 1975. These figures do not represent instantaneous water-surface profiles, as the data have not been corrected for changes in river stage corresponding to the time differences between staff-gage readings at consecutive sections.

Stage recorders were installed at sections B-1, B-10, B-17, and the Muddy Creek footbridge, which is approximately 2,060 ft (628 m) upstream from B-6 on Muddy Creek (fig. 7). These provided continuous records of stage at several points along the reach. Gage heights at half-hour intervals are listed in tables 22-25. Discharge measurements at these same four sections are summarized in tables 26-29. The discharge measurements were made with a Price type AA current meter using techniques described by Buchanan and Somers (1969). Rating curves for these four sections are shown in figures 9-12.

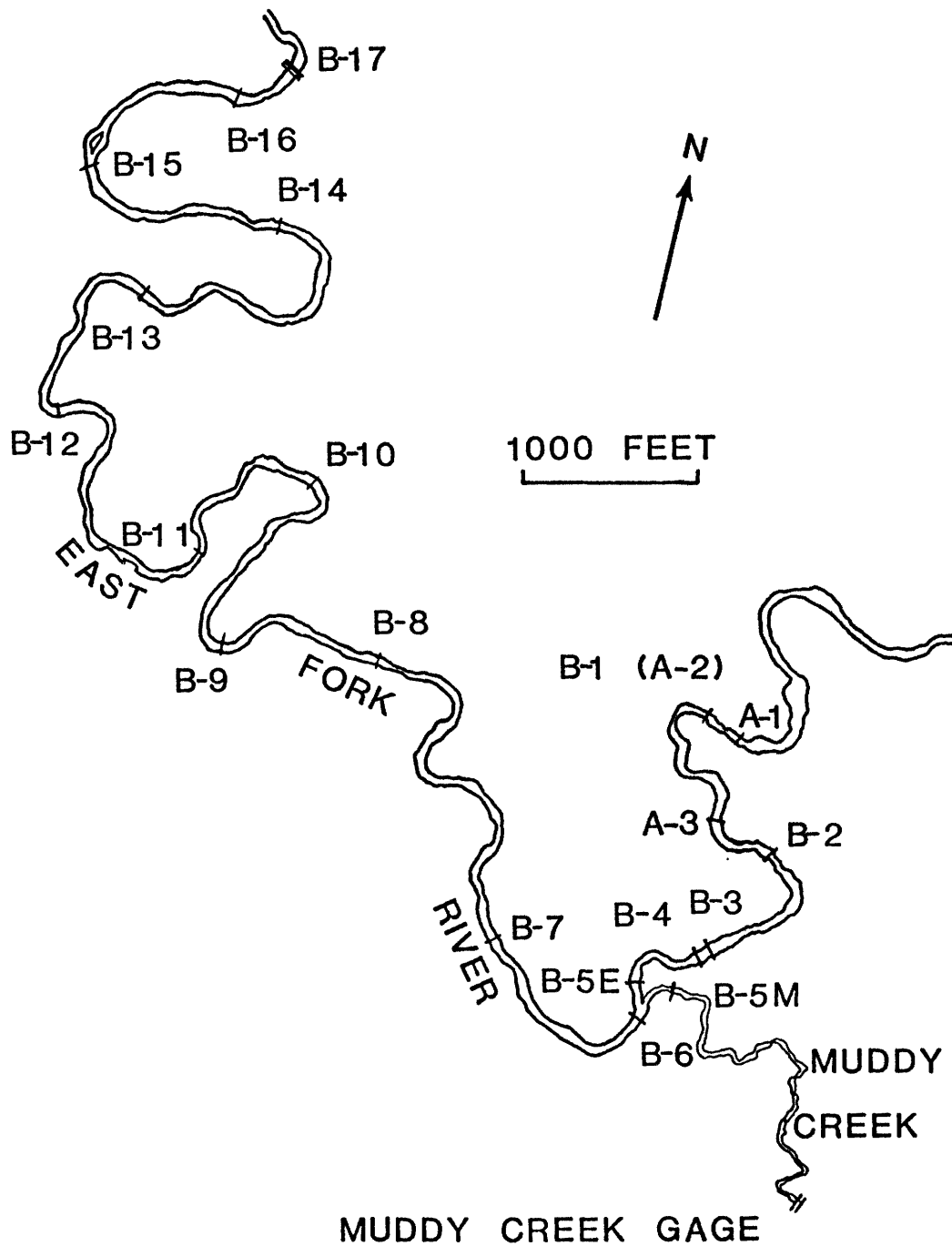
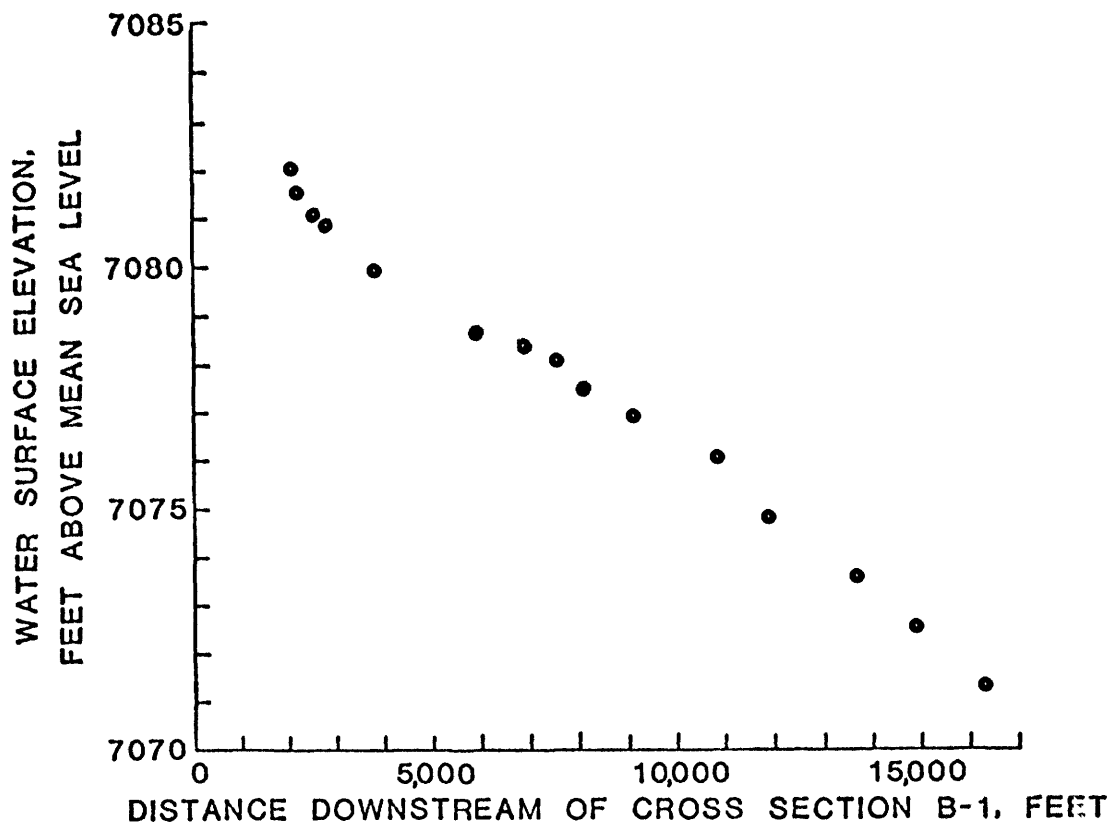
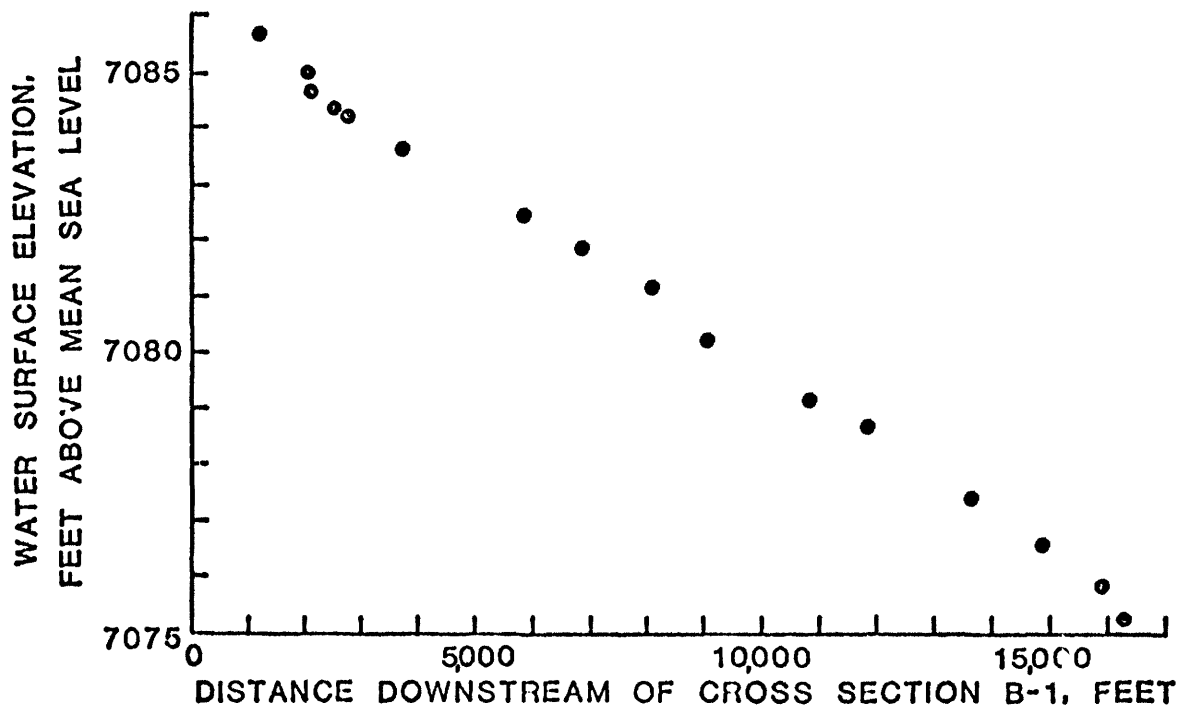


Figure 7.--Sketch map of the study reach showing locations of the cross sections.





A. May 23, 1975.



B. June 15, 1975.

Figure 8.--Water-surface elevations for sections in the study reach.  
A. B-3 through B-17, May 23, 1975. B. B-2 through B-17, June 15, 1975.

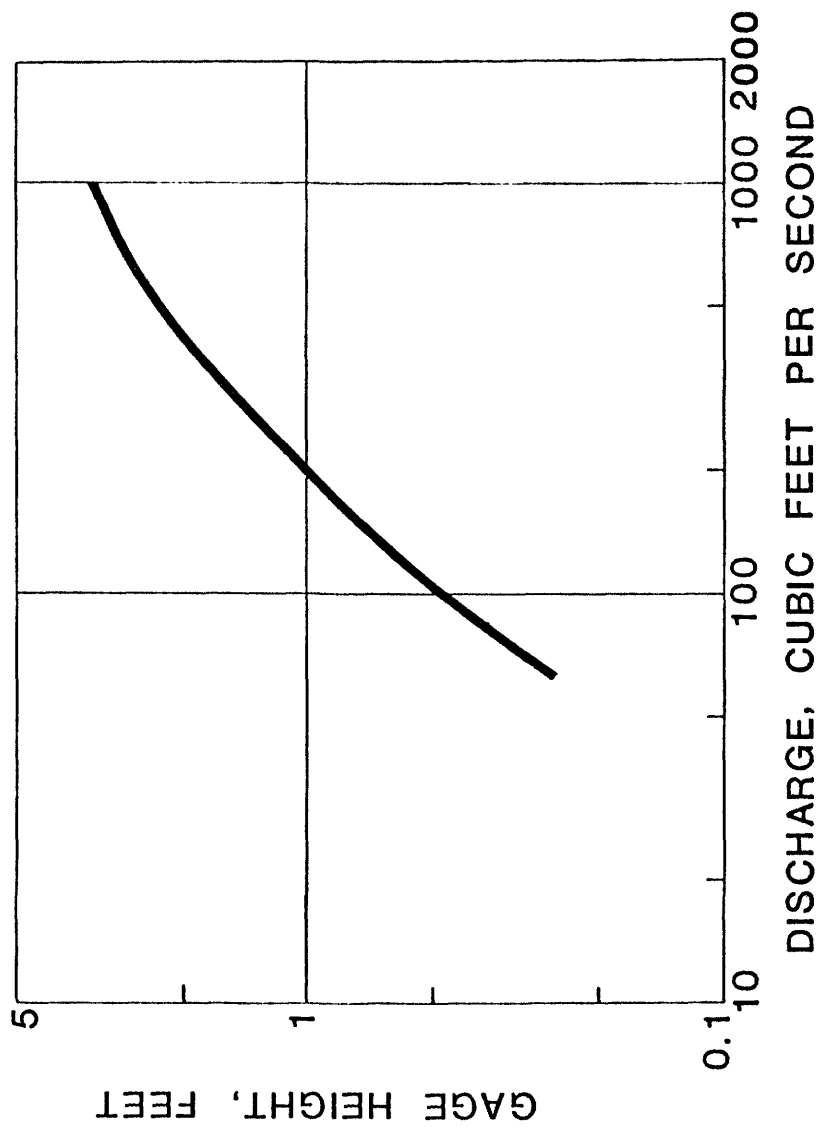


Figure 9.--Rating curve for section B-1, East Fork River, Wyoming.

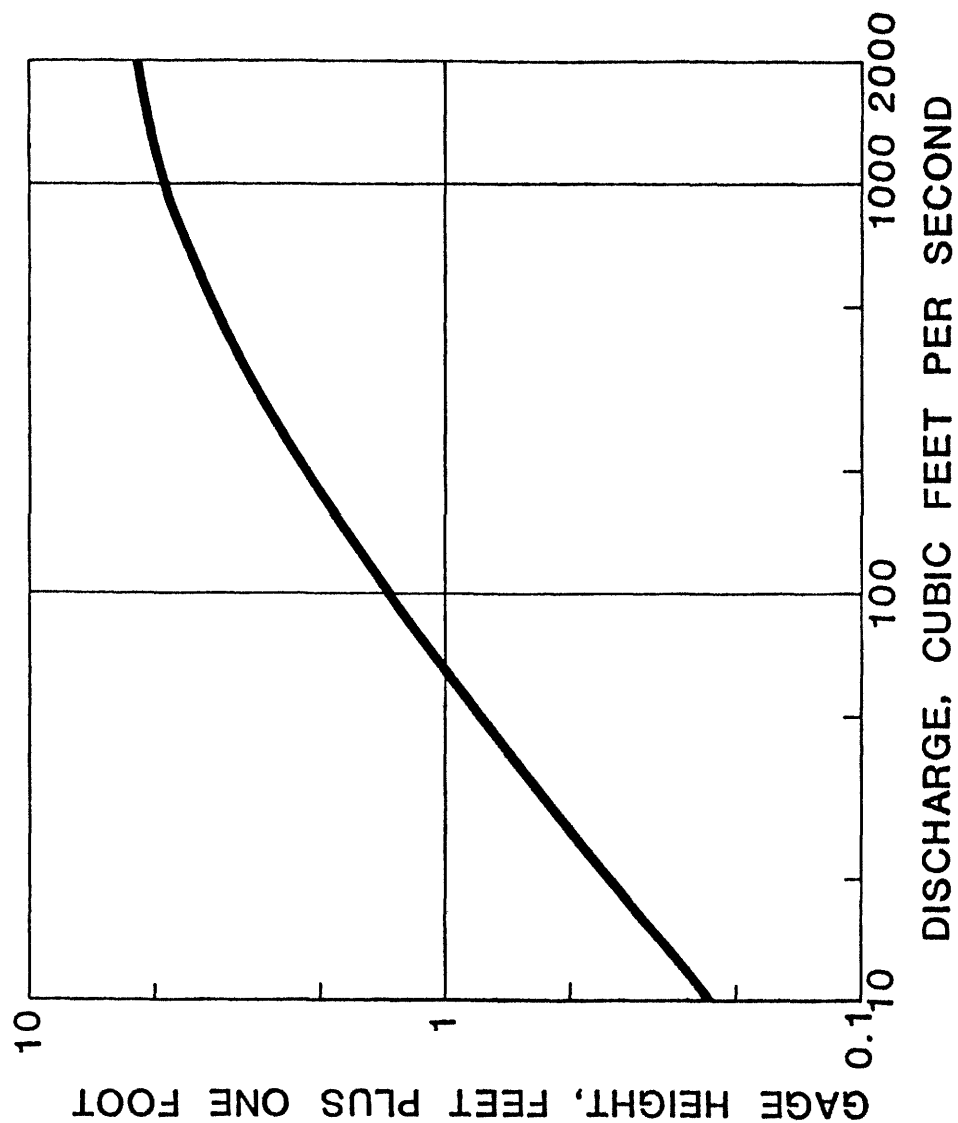


Figure 10.--Rating curve for section B-10, East Fork River, Wyoming. The value of each element of gage height was increased by one foot to accommodate the plotting of a negative value of gage height (-0.36 ft, recorded 08-29-75).

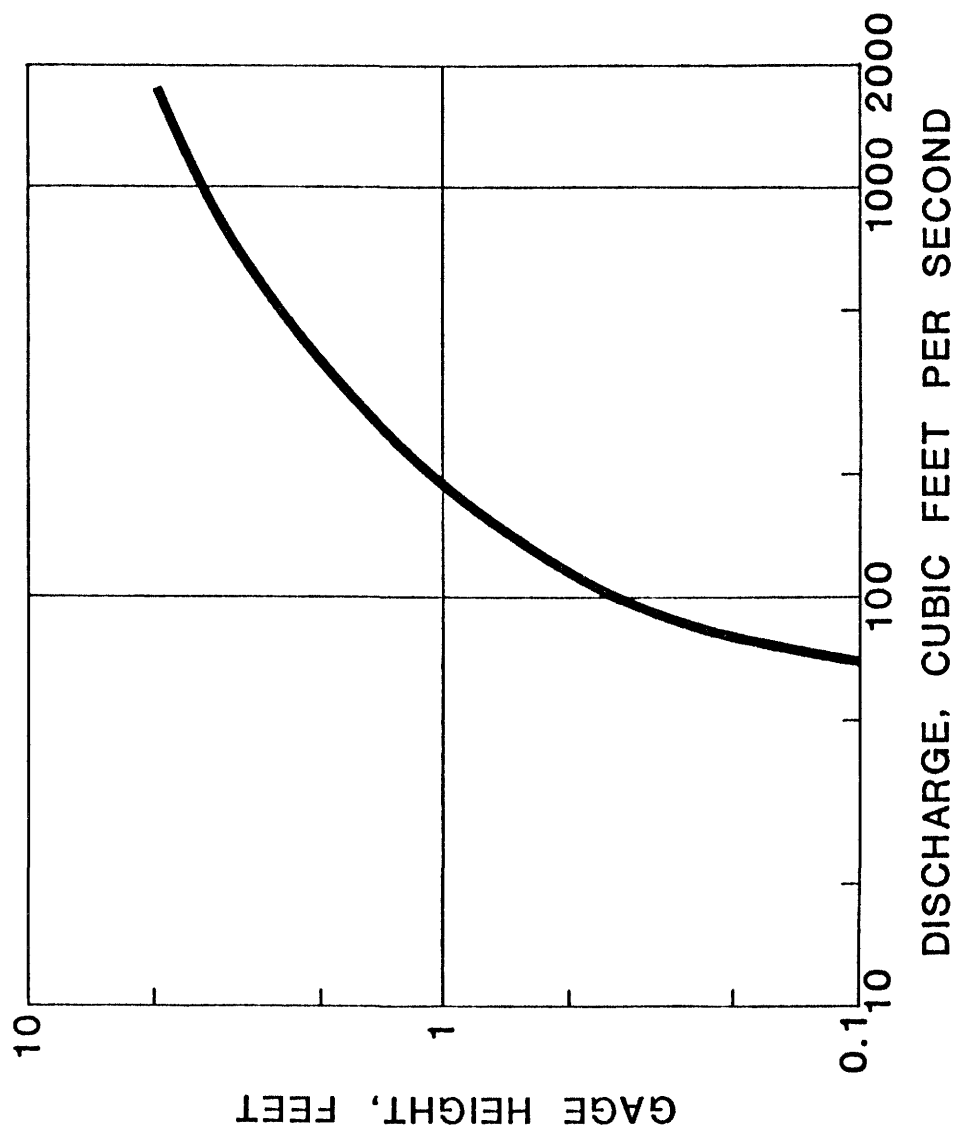


Figure 11.--Rating curve for section B-17, East Fork River, Wyoming.

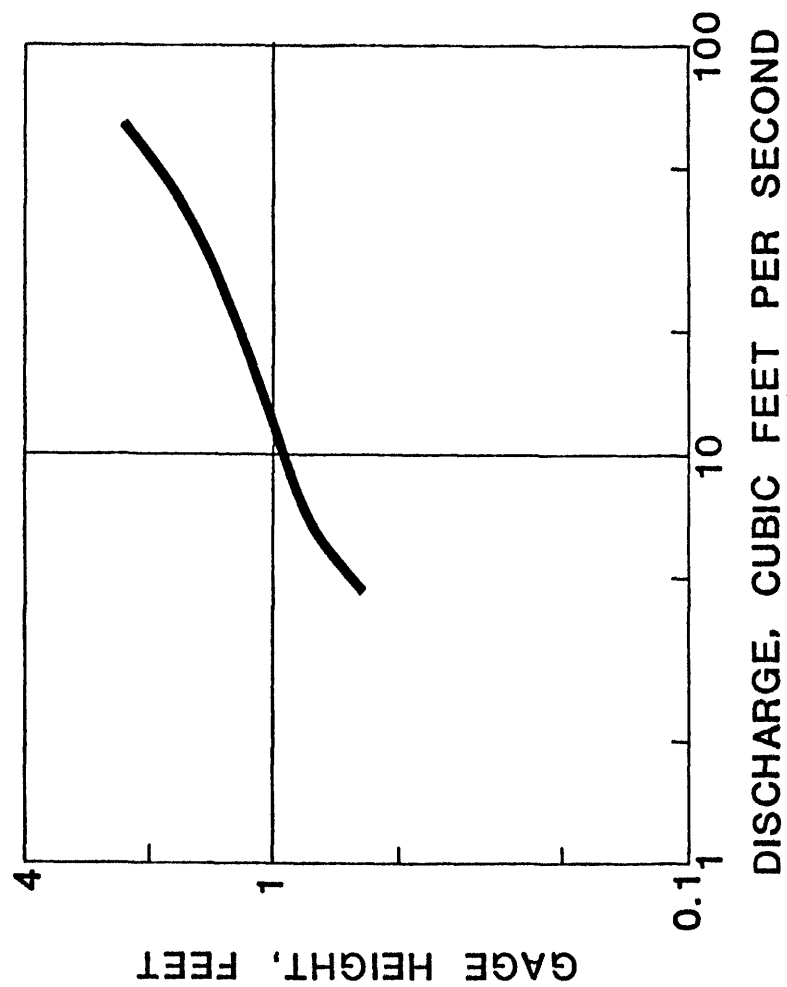


Figure 12.--Rating curve for the gage on Muddy Creek, Wyoming.

Streamwater samples for suspended-sediment concentration, conductivity, and turbidity analyses were collected with US DH-48 or D-49 samplers in accordance with procedures discussed by Guy and Norman (1970). Analyses for turbidity and specific conductance were carried out in laboratories operated by the U.S. Geological Survey. Instantaneous temperature measurements were made with a thermometer. Miscellaneous records of water temperatures, suspended-sediment concentrations, and conductivities for the East Fork River and Muddy Creek are compiled in tables 30 and 31.

Bed-material samples were collected on May 28, 1975, from most sections. A visual assessment of variation in size of bed material was made, lateral distribution by stationing across the channel of each type of bed material was determined, and a composite sample of each bed-material type was collected for size analysis. Samples were scooped from the top 0.2-0.4 ft (.06-.12 m) of the bed with a cylindrical container 0.4 ft (.12 m) in diameter and 0.6 ft (.18 m) high. Depths and velocities were low and the bed was clearly visible, so if observable amounts of fine material washed from the sampler as it was lifted to the water surface, the top few inches of the sample were discarded. Sieve-size analyses of the bed-material samples are presented in tables 32 and 33.

Tables 34, 35, and 36 summarize the measured bed-load transport rates. Helley-Smith-type samplers (Helley and Smith, 1971) were used to collect bedload samples at sections B-1, B-17, and the Muddy Creek gage. Sampling techniques were comparable to those described by Emmett (1976), who also discusses briefly the sampling efficiency of the Helley-Smith sampler. A large number of additional bedload samples were collected at B-17 with the conveyor-belt bedload trap. The bedload trap and bedload-measurement techniques using the bedload trap are discussed by Leopold and

Emmett (1976), and the data in tables 35 and 38 were extracted from tables 1 and 2 of their report. Size analyses of bedload samples are compiled in tables 37-39.

#### REFERENCES CITED

- Buchanan, Thomas J., and Somers, William P., 1969, Discharge measurements at gaging stations: U.S. Geol. Survey Techniques Water-Resources Inv., book 3, chap. A8, 65 p.
- Emmett, William W., 1976, Bedload transport in two large, gravel-bed rivers, Idaho and Washington: Third Federal Inter-Agency Sedimentation Conf. Proc., Water Resources Council Sedimentation Comm., Denver, Colo., 1976, p. 4-101 to 4-114.
- Guy, H. P., and Norman, V. W., 1970, Field methods for measurement of fluvial sediment: U.S. Geol. Survey Techniques Water-Resources Inv., book 3, chap. C2, 59 p.
- Helley, E. J., and Smith, Winchell, 1971, Development and calibration of a pressure-difference bedload sampler: U.S. Geol. Survey Open-File Rept., 18 p.
- Holmes, G. W., and Moss, J. H., 1955, Pleistocene geology of the Southwestern Wind River Mountains, Wyoming: Geol. Soc. America Bull., v. 66, p. 629-654.
- Kuchler, A. W., 1964, Map of the potential natural vegetation of the conterminous United States: Am. Geog. Soc. Spec. Pub. 36.
- \_\_\_\_\_, 1964, Potential natural vegetation of the conterminous United States--a manual to accompany the map: Am. Geog. Soc. Spec. Pub. 36, 39 p., appendix.

Leopold, L. B., and Emmett, W. W., 1976, Bedload measurements, East Fork River, Wyoming: Nat. Acad. Sci. Proc., v. 73, no. 4, p. 1000-1004.

Moss, John H., 1951, Early man in the Eden Valley: Univ. Pa. Mus., Mus. Mon. 6, 124 p.

National Oceanographic and Atmospheric Administration, 1974, Climates of the States: Port Washington, New York, Water Inf. Center, Inc., p. 970-974.



Table 1.--Distances of cross sections from section B-1 and elevations  
of zero gage heights

Cross section	Distance downstream of cross section B-1 (ft)	Elevation of zero gage height (ft above MSL)
A-1	- 189.0	7,084.094
B-1 (A-2)	0	7,083.892
A-3	951	7,082.444
B-2	1,175	7,082.818
B-3	2,054	7,082.107
B-4	2,129	7,081.399
B-5E	2,516	7,081.070
B-5M	(1)	7,080.519
B-6	2,779	7,080.748
B-7	3,773	7,079.742
B-8	5,893	7,078.526
B-9	6,880	7,078.307
B-10	8,091	7,077.387
B-11	9,075	7,076.516
B-12	10,804	7,075.499
B-13	11,850	7,074.957
B-14	13,645	7,073.711
B-15	14,875	7,072.620
B-16	15,846	7,071.776
B-17 (Bedload Sampler)	16,280	7,071.139
Muddy Creek gage	(2)	7,087.290

<sup>1</sup> Cross section is on Muddy Creek approximately 255 ft upstream  
of cross section B-6; see sketch map, figure 8.

<sup>2</sup> Cross section approximately 2,060 ft upstream of cross section  
B-6, see figure 8.

Table 2.--Cross-section measurements, East Fork River, section A-1

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 3, 1975; time: 0945; gage height: 1.60 ft]					
7.0	0.00	Left edge water	--Continued		
8.0	1.15	-----	44.0	2.18	-----
10.0	3.65	-----	45.0	0.00	Right edge water
12.0	3.71	-----			
14.0	3.88	-----	[Date: June 4, 1975; time: 0950; gage height: 1.70 ft]		
16.0	3.88	-----	7.0	0.00	Left edge water
18.0	3.98	-----	8.0	1.40	-----
20.0	3.90	-----	10.0	3.90	Gravel
22.0	3.79	-----	12.0	4.02	Gravel
24.0	3.70	-----	14.0	4.00	Gravel
26.0	3.49	-----	16.0	4.06	Gravel
28.0	3.38	-----	18.0	4.00	Gravel
30.0	3.35	-----	20.0	4.08	Gravel
32.0	3.05	-----	22.0	3.96	Gravel
34.0	2.74	-----	24.0	3.73	Gravel
36.0	2.72	-----	26.0	3.58	Gravel
38.0	2.49	-----	28.0	3.50	Gravel
40.0	2.29	-----	30.0	3.36	Gravel
42.0	2.34	-----			

Table 2.--Cross-section measurements, East Fork River, section A-1--Continued

Station	Depth	Remarks	Station	Depth	Remarks
(ft)	(ft)		(ft)	(ft)	
[Date: June 4, 1975; time: 0950; gage height: 1.70 ft]					
--Continued					
32.0	3.05	Gravel			
34.0	2.91	Sand	20.0	4.14	Gravel
36.0	2.78	Sand	22.0	4.02	Gravel
38.0	2.66	Sand with a little gravel	24.0	3.90	Gravel
40.0	2.30	Soft sand	26.0	3.74	Gravel
42.0	2.14	Soft sand	28.0	3.64	Gravel
44.0	2.14	Soft sand	30.0	3.46	Gravel
45.0	1.80	Soft sand	32.0	3.20	Sand
45.7	0.00	Right edge water	34.0	3.00	Sand
[Date: June 5, 1975; time: 0957; gage height: 1.82 ft]					
7.0	0.00	Left edge water	36.0	2.84	Sand
8.0	3.60	--	38.0	2.65	Sand
10.0	3.92	Gravel	40.0	2.40	Sand
12.0	4.07	Gravel	42.0	2.36	Sand
14.0	4.10	Gravel	44.0	2.35	Sand
16.0	4.14	Gravel	45.0	0.40	Sand
18.0	4.20	Gravel	45.5	0.00	Right edge water
[Date: June 6, 1975; time: 0815; gage height: 2.71 ft]					
			3.0	0.00	Left edge water

Table 2.--Cross-section measurements, East Fork River, section A-1--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 0815; gage height: 2.71 ft] [Date: June 6, 1975; time: 0815; gage height: 2.71 ft]					
--Continued					
4.0	0.10	Flood plain	38.0	3.74	Sand
6.0	0.48	Flood plain	40.0	3.18	Sand
8.0	4.60	Gravel	42.0	2.86	Sand
10.0	4.90	Gravel	44.0	2.90	Sand
12.0	5.04	Gravel	45.0	2.90	Bank edge
14.0	5.00	Gravel	46.0	0.80	Flood plain
16.0	5.10	Gravel	48.0	0.26	Flood plain
18.0	5.20	Gravel	50.0	0.00	Right edge water
20.0	5.14	Gravel	-----	-----	Backwater behind measured section--no
22.0	4.96	Gravel			appreciable velocity
24.0	4.88	Gravel	[Date: June 7, 1975; time: 0815; gage height: 2.90 ft]		
26.0	4.60	Gravel	0.0	0.20	Flood plain; flow on flood plain to
28.0	4.54	Gravel			left of section, over wide area
30.0	4.44	Gravel			0.1 ft deep
32.0	4.18	Gravel	2.0	0.16	Flood plain
34.0	4.00	Gravel	4.0	0.25	Flood plain
36.0	3.92	Sand and gravel	6.0	0.76	Flood plain
			8.0	4.80	Bank edge
			10.0	5.05	--

Table 2.--Cross-section measurements, East Fork River, section A-1--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 0815; gage height: 2.90 ft] [Date: June 7, 1975; time: 0815; gage height: 2.90 ft]					
---Continued					
12.0	5.24	-----	42.0	3.60	Sand
14.0	5.30	Gravel	44.0	3.36	Sand
16.0	5.41	Gravel	45.3	3.15	Bank edge
18.0	5.00	Gravel	46.0	1.02	-----
20.0	5.40	Gravel	48.0	0.50	Flood plain
22.0	5.34	Gravel	50.0	0.22	Flood plain
24.0	5.10	Gravel	57.0	0.60	Flood plain
26.0	4.92	Gravel	60.5	0.72	Flood plain
28.0	4.75	Gravel	67.5	0.70	Flood plain
30.0	4.60	Gravel	74.5	0.70	Flood plain
32.0	4.45	Gravel	81.5	0.70	Flood plain
34.0	4.20	Gravel	88.5	1.05	Flood plain
36.0	4.12	Gravel	95.5	1.00	Flood plain
38.0	3.64	Sand	102.5	0.30	Flood plain
40.0	3.32	Sand	106.5	0.00	Right edge water

Table 2.--Cross-section measurements, East Fork River, section A-1--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 8, 1975; time: 0830; gage height: 2.93 ft] [Date: June 8, 1975; time: 0830; gage height: 2.93 ft]					
0.0	0.23	Some flow on flood plain to left	-- Continued		
		of measured section			
2.0	0.20	Flood plain	32.0	4.44	Gravel
4.0	0.32	Flood plain	34.0	4.25	Gravel
6.0	0.75	Flood plain	36.0	4.15	Gravel
			38.0	3.90	Gravel
8.0	2.70	Bank edge	40.0	3.60	Sand
10.0	5.14	Gravel	42.0	3.43	Sand
12.0	5.27	Gravel	44.0	3.30	Sand
14.0	5.26	Gravel	45.0	3.20	Sand
16.0	5.40	Gravel	46.0	0.96	Flood plain
18.0	5.52	Gravel	48.0	0.42	Flood plain
20.0	5.40	Gravel	50.0	0.25	Flood plain
22.0	5.26	Gravel	60.0	0.62	Flood plain
24.0	5.20	Gravel	-----	-----	Water on flood plain to right of
26.0	4.92	Gravel			measured section
28.0	4.73	Gravel			
30.0	4.65	Gravel			

Table 2.--Cross-section measurements, East Fork River, section A-1--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1120-1133; gage height: 2.07 ft] [Date: June 10, 1975; time: 1120-1133; gage height: 2.07 ft]					
6.1	0.00	Left edge water	--Continued		
7.0	0.25	-----	36.0	3.30	Gravel
8.0	1.55	-----	38.0	3.10	Coarse sand
9.0	4.00	-----	40.0	3.65	Sand
10.0	4.15	Fine-medium gravel	42.0	3.65	Sand
12.0	4.45	Fine-medium gravel	44.0	2.60	Soft sand
14.0	4.40	Gravel	45.0	2.15	Soft sand
16.0	4.50	Gravel	46.0	0.05	Top of bank
18.0	4.50	Gravel over sand	46.2	0.00	Right edge water
20.0	4.50	Gravel over sand	[Date: June 12, 1975; time: 1115-1127; gage height: 1.52 ft]		
22.0	4.50	Fine-medium gravel	7.0	0.00	Left edge water
24.0	4.45	Gravel	8.0	3.30	-----
26.0	4.20	Gravel	10.0	3.64	Gravel
28.0	3.85	Hard-packed gravel	12.0	3.70	Gravel
30.0	3.80	Gravel	14.0	3.92	Gravel
32.0	3.60	Gravel	15.0	3.94	Gravel
34.0	3.40	Gravel	18.0	3.90	Gravel

Table 2.--Cross-section measurements, East Fork River, section A-1--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1115-1127; gage height: 1.52 ft] [Date: June 14, 1975; time: 1015; gage height: 2.94 ft]					
--Continued			---	----	Some flow to left of measured section
20.0	3.81	Gravel			
22.0	3.82	Gravel	0.0	0.25	Flood plain
24.0	3.64	Gravel	2.0	0.20	Flood plain
26.0	3.40	Gravel	4.0	0.26	Flood plain
28.0	3.30	Gravel	6.0	0.70	Flood plain
30.0	3.22	Gravel	8.0	4.80	Gravel
32.0	2.98	Gravel	10.0	5.12	Gravel
34.0	2.83	Gravel	12.0	5.25	Gravel
36.0	2.65	Sand	14.0	5.30	Gravel
38.0	2.50	Sand	16.0	5.40	Gravel
40.0	1.92	Sand	18.0	5.38	Gravel
42.0	1.80	Sand	20.0	5.25	Gravel
44.0	1.98	Sand	22.0	5.30	Gravel
45.0	1.76	Bank	24.0	5.20	Gravel
45.5	0.00	Right edge water	26.0	5.00	Gravel
			28.0	4.85	Gravel
			30.0	4.70	Gravel



Table 2.---Cross-section measurements, East Fork River, section A-1--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1015; gage height: 2.94 ft] [Date: June 15, 1975; time: 1130; gage height: 3.02 ft]					
---Continued					
32.0	4.46	Gravel	0.0	0.30	Flood plain
34.0	4.32	Gravel	2.0	0.30	Flood plain
36.0	4.20	Gravel	4.0	0.35	Flood plain
38.0	4.00	Gravel	6.0	0.62	Flood plain
40.0	3.60	Sand	8.0	4.75	Gravel
42.0	3.25	Sand	10.0	5.20	Gravel
44.0	3.42	Sand	12.0	5.35	Gravel
46.0	0.92	Flood plain	14.0	5.50	Gravel
48.0	0.50	Flood plain	16.0	5.50	Gravel
50.0	0.25	Flood plain	18.0	5.42	Gravel
60.0	0.75	Flood plain	20.0	5.45	Gravel
----	----	Some flow to right of measured section	22.0	5.43	Gravel
			24.0	5.40	Gravel
			26.0	5.14	Gravel
[Date: June 15, 1975; time: 1130; gage height: 3.02 ft]					
----	----	Appreciable flow on flood plain to left of measured section	28.0	4.95	Gravel
			30.0	4.73	Gravel
			32.0	4.45	Gravel

Table 2.--Cross-section measurements, East Fork River, section A-1--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 15, 1975; time: 1130; gage height: 3.02 ft; [Date: June 16, 1975; time: 1150; gage height: 3.04 ft]					
--Continued					
34.0	4.20	Gravel	8.0	4.92	Gravel
36.0	4.22	Gravel	10.0	5.25	Gravel
38.0	4.03	Gravel	12.0	5.50	Gravel
40.0	3.85	Sand and gravel	14.0	5.70	Gravel
42.0	3.35	Sand	16.0	5.60	Gravel
44.0	3.60	Sand	18.0	5.50	Gravel
46.0	0.90	Flood plain	20.0	5.45	Gravel
48.0	0.45	Flood plain	22.0	5.50	Gravel
50.0	0.35	Flood plain	24.0	5.70	Gravel
60.0	0.82	Flood plain	26.0	5.55	Gravel
----	----	Some flow to right of measured section	28.0	5.78	Gravel
			30.0	5.60	Gravel
			32.0	5.00	Gravel
[Date: June 16, 1975; time: 1150; gage height: 3.04 ft]					
0.0	0.25	Flood plain	34.0	4.20	Gravel
2.0	0.20	Flood plain	36.0	4.10	Gravel
4.0	0.45	Flood plain	38.0	4.00	Gravel
6.0	0.92	Flood plain	40.0	3.65	Sand
			42.0	3.60	Sand

Table 2.--Cross-section measurements, East Fork River, section A-1--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 16, 1975; time: 1150; gage height: 3.04 ft]					
--Continued 44.0	3.00	Sand	[Date: June 17, 1975; time: 0750; gage height: 2.83 ft]		
			--Continued		
46.0	0.90	Flood plain	22.0	5.22	Gravel
48.0	0.40	Flood plain	24.0	5.15	Gravel
50.0	0.35	Flood plain	26.0	5.00	Gravel
60.0	0.85	Flood plain	28.0	4.82	Gravel
			30.0	4.54	Gravel
			32.0	4.35	Gravel
[Date: June 17, 1975; time: 0750; gage height: 2.83 ft]					
0.0	0.12	Flood plain	34.0	4.20	Gravel
2.0	0.10	Flood plain	36.0	4.10	Gravel
4.0	0.22	Flood plain	38.0	3.85	Gravel
6.0	0.65	Flood plain	40.0	3.80	Sand
8.0	4.80	Gravel	42.0	3.42	Sand
10.0	5.02	Gravel	44.0	3.33	Sand
12.0	5.20	Gravel	46.0	0.84	Flood plain
14.0	5.35	Gravel	48.0	0.15	Flood plain
16.0	5.30	Gravel	50.0	0.15	Flood plain
18.0	5.30	Gravel	60.0	0.60	Flood plain
20.0	5.25	Gravel			

Table 3.--Cross-section measurements, East Fork River, section B-1 (A-2)

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 3, 1975; time: 1529; gage height: 1.59 ft]					
8.0	0.00	Left edge water			
10.0	2.08	-----	44.0	1.98	-----
12.0	2.52	-----	46.0	0.40	-----
14.0	2.41	-----	47.0	0.00	Right edge water
16.0	2.59	-----			
18.0	2.77	-----			
20.0	3.05	-----			
22.0	3.25	-----			
24.0	3.39	-----			
26.0	3.50	-----			
28.0	3.47	-----			
30.0	3.39	-----			
32.0	3.30	-----			
34.0	3.05	-----			
36.0	2.83	-----			
38.0	2.85	-----			
40.0	2.78	-----			
42.0	2.54	-----			
[Date: June 3, 1975; time: 1529; gage height: 1.59 ft]					
--Continued					
[Date: June 4, 1975; time: 100%; gage height: 1.69 ft]					
			7.5	0.00	Left edge water
			8.0	0.12	Soft bank plain
			10.0	2.40	Soft bank material
			12.0	2.63	Gravel
			14.0	2.68	Gravel
			16.0	2.73	Gravel
			18.0	2.98	Gravel
			20.0	3.12	Gravel
			22.0	3.24	Gravel
			24.0	3.51	Gravel
			26.0	3.55	Gravel
			28.0	3.60	Gravel
			30.0	3.48	Gravel

Table 3.--Cross-section measurements, East Fork River, section B-1 (A-2)--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1002; gage height: 1.69 ft]					
--Continued					
32.0	3.42	Gravel	8.0	1.06	Flood plain
34.0	3.10	Gravel	10.0	3.20	Sand
36.0	3.00	Gravel	12.0	3.62	Gravel
38.0	2.96	Gravel	14.0	3.50	Gravel
40.0	2.84	Gravel	16.0	3.62	Gravel
42.0	2.57	Gravel	18.0	3.96	Gravel
44.0	2.21	Gravel	20.0	4.15	Gravel
46.0	0.64	Grassy bank	22.0	4.30	Gravel
48.0	0.22	Grassy bank	24.0	4.60	Gravel
49.8	0.00	Right edge water	26.0	4.68	Gravel
[Date: June 6, 1975; time: 0840; gage height: 2.69 ft]					
-6.0	0.30	Some flow to left of measured section, estimated 10 cfs	28.0	4.60	Gravel
-3.0	0.15	Flood plain	30.0	4.46	Gravel
0.0	0.22	Flood plain	32.0	4.32	Gravel
4.0	0.30	Flood plain	34.0	4.24	Gravel
6.0	0.64	Flood plain	36.0	4.05	Gravel
			38.0	3.92	Gravel
			40.0	3.86	Gravel
			42.0	3.62	Gravel

[Date: June 6, 1975; time: 0840; gage height: 2.69 ft]

--Continued



Table 3.--Cross-section measurements, East Fork River, section B-1 (A-2)--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 0840; gage height: 2.92 ft]					
---Continued					
44.0	3.35	Gravel	16.0	3.80	Gravel
46.0	1.65	Sand	18.0	4.12	Gravel
48.0	1.38	Sand	20.0	4.28	Gravel
50.0	1.14	Sand	22.0	4.45	Gravel
52.0	0.76	Bank	24.0	4.72	Gravel
54.0	0.42	Bank	26.0	4.80	Gravel
55.5	0.00	Right edge water	28.0	4.90	Gravel
[Date: June 8, 1975; time: 0910; gage height: 2.94 ft]					
---Continued					
0.0	0.40	Appreciable flow on flood plain to left of measured section	30.0	5.00	Gravel
2.0	0.52	Flood plain	32.0	4.65	Gravel
4.0	0.45	Flood plain	34.0	4.32	Gravel
6.0	0.70	Flood plain	36.0	4.16	Gravel
8.0	1.25	Flood plain	38.0	4.20	Gravel
10.0	3.55	Bank	40.0	4.03	Gravel
12.0	3.75	Sand	42.0	3.78	Gravel
14.0	3.60	Sand	44.0	3.50	Gravel
			46.0	2.75	Gravel
			48.0	1.40	Bank
			50.0	1.26	Bank

Table 3.--Cross-section measurements, East Fork River, section B-1 (A-2)--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 8, 1976; time: 0910; gage height: 2.94 ft] [Date: June 10, 1975; time: 1145; gage height: 2.06 ft]					
--Continued					
52.0	0.80	Bank	24.0	3.85	Fine-medium gravel
54.0	0.42	Bank	26.0	3.90	Gravel
56.0	0.00	Right edge water	28.0	4.05	Fine-medium gravel
[Date: June 10, 1975; time: 1145; gage height: 2.06 ft]					
6.0	0.00	Left edge water	30.0	4.00	Fine-medium gravel
7.0	0.10	Soft sand, newly deposited on flood plain	32.0	3.75	Fine-medium gravel
8.0	0.35	Soft sand, newly deposited on flood plain	34.0	3.65	Fine-medium gravel
9.0	0.70	Soft sand, newly deposited on flood plain	36.0	3.40	Fine-medium gravel
10.0	2.80	Soft sand, newly deposited	38.0	3.25	Gravel
11.0	3.10	Gravel and sand	40.0	3.25	Gravel
12.0	3.00	Gravel and sand	42.0	2.95	Gravel
14.0	2.85	Fine-medium gravel	44.0	2.65	Gravel and sand
16.0	3.05	Fine-medium gravel	46.0	1.20	Grass and sand
18.0	3.30	Gravel	48.0	0.55	Grass and sand
20.0	3.45	Fine-medium gravel	50.0	0.25	Gravel, sand and grass
22.0	3.75	Gravel	51.2	0.00	Right edge water



Table 3.--Cross-section measurements, East Fork River, section B-1 (A-2)--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1134-1144; gage height: 1.53 ft] [Date: June 12, 1975; time: 1134-1144; gage height: 1.53 ft]					
8.0	0.00	Left edge water	--Continued		
10.0	2.50	Sand	42.0	2.47	Gravel
12.0	2.50	Gravel	44.0	2.10	Gravel
14.0	2.48	Gravel	45.0	1.72	Gravel
16.0	2.54	Gravel	46.0	0.50	Bank
18.0	2.72	Gravel	47.0	0.00	Right edge water
20.0	2.96	Gravel	[Date: June 14, 1975; time: 1025; gage height: 2.93 ft]		
22.0	3.18	Gravel	0.0	0.40	Some flow to left of measured section
24.0	3.22	Gravel	2.0	0.48	Flood plain
26.0	3.40	Gravel	4.0	0.40	Flood plain
28.0	3.52	Gravel	6.0	0.80	Flood plain
30.0	3.34	Gravel	8.0	1.35	Flood plain
32.0	3.22	Gravel	10.0	3.60	Sand
34.0	2.92	Gravel	12.0	3.70	Sand
36.0	2.83	Gravel	14.0	3.60	Sand
38.0	2.74	Gravel	16.0	3.95	Gravel
40.0	2.64	Gravel	18.0	4.20	Gravel

Table 3.--Cross-section measurements, East Fork River, section B-1 (A-2)--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1025; gage height: 2.93 ft]					
--Continued					
20.0	4.30	Gravel	54.0	0.41	Bank
22.0	4.60	Gravel	55.5	0.00	Right edge water
24.0	4.85	Gravel	[Date: June 16, 1975; time: 1230; gage height 3.02 ft]		
26.0	4.90	Gravel	0.0	0.50	Grass and silt on flood plain
28.0	5.00	Gravel	2.0	0.56	Grass and silt on flood plain
30.0	4.90	Gravel	4.0	0.58	Grass and silt on flood plain
32.0	4.72	Gravel	6.0	0.93	Grass and silt on flood plain
34.0	4.20	Gravel	8.0	0.96	Grass and silt on flood plain
36.0	4.40	Gravel	10.0	3.75	Sand
38.0	4.22	Gravel	12.0	3.75	Sand
40.0	4.02	Gravel	14.0	3.85	Sand
42.0	3.92	Gravel	16.0	3.92	Gravel
44.0	3.64	Gravel	18.0	3.95	Gravel
46.0	2.50	Gravel	20.0	4.45	Gravel
48.0	0.94	Bank	22.0	4.80	Gravel
50.0	1.10	Bank	24.0	4.90	Gravel
52.0	0.70	Bank	26.0	4.95	Gravel

Table 3.--Cross-section measurements, East Fork River, section B-1 (A-2)--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 16, 1975; time: 1230; gage height: 3.02 ft]					
--Continued					
28.0	5.10	Gravel			
30.0	4.95	Gravel			
32.0	4.82	Gravel			
34.0	4.50	Gravel			
36.0	4.24	Gravel			
38.0	4.30	Gravel			
40.0	4.05	Gravel			
42.0	3.84	Gravel			
44.0	3.66	Gravel			
46.0	2.95	Bank, gravel			
48.0	1.54	Bank			
50.0	1.15	Bank			
52.0	0.92	Bank			
54.0	0.42	Bank			
56.0	0.00	Right edge water			

Table 4.--Cross-section measurements, East Fork River, section A-3

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 3, 1975; time: 1003; gage height: 1.73 ft]					
7.0	0.95	Left edge water	---Continued		
8.0	1.03	-----	42.0	3.85	-----
10.0	2.88	-----	44.0	3.73	-----
12.0	3.11	-----	46.0	3.25	-----
14.0	3.32	-----	48.0	2.70	-----
16.0	3.47	-----	50.0	1.09	-----
18.0	3.60	-----	51.5	0.50	Right edge water
20.0	3.72	-----	[Date: June 4, 1975; time: 1017; gage height: 1.80 ft]		
22.0	3.87	-----	6.5	0.00	Left edge water
24.0	4.03	-----	7.0	0.70	Bank
26.0	4.05	-----	8.0	1.12	Bank
28.0	4.11	-----	10.0	2.91	Soft sand
30.0	4.02	-----	12.0	3.06	Sand
32.0	4.04	-----	14.0	3.38	Sand
34.0	4.10	-----	16.0	3.60	Sand
36.0	4.13	-----	18.0	3.78	Gravel
38.0	4.18	-----	20.0	3.95	Gravel
40.0	4.19	-----	22.0	4.13	Gravel

Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1017; gage height: 1.80 ft] [Date: June 5, 1975; time: 1008; gage height: 1.96 ft]					
--Continued					
24.0	4.14	Gravel	7.0	1.12	Bank
26.0	4.16	Sand	8.0	1.30	Bank
28.0	4.22	Sand over gravel	10.0	3.15	Sand
30.0	4.20	Gravel	12.0	3.32	Sand
32.0	4.22	Sand over gravel	14.0	3.54	Sand
34.0	4.24	Sand over gravel	16.0	3.60	Sand
36.0	4.20	Sand over gravel	18.0	3.95	Sand and gravel
38.0	4.32	Sand over gravel	20.0	4.15	Gravel
40.0	4.21	Sand	22.0	4.10	Sand
42.0	3.56	Soft sand	24.0	4.00	Sand
44.0	3.65	Sand	26.0	4.36	Gravel
46.0	3.08	Sand	28.0	4.30	Sand over gravel
48.0	2.62	Soft sand	30.0	4.30	Sand over gravel
50.0	0.82	Bank	32.0	4.38	Mostly gravel
51.7	0.68	Right edge water	34.0	4.45	Sand over gravel
[Date: June 5, 1975; time: 1008; gage height: 1.96 ft]					
6.8	0.00	Left edge water	36.0	4.40	Sand over gravel
			38.0	4.40	Sand over gravel
			40.0	4.40	Soft sand

Table 4.-- Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 5, 1975; time: 1008; gage height: 1.98 ft]					
---Continued					
42.0	3.80	Sand	8.2	4.05	Sand
44.0	3.68	Sand	10.0	4.20	Sand
46.0	3.34	Sand	12.0	4.42	Sand over gravel
48.0	2.75	Sand	14.0	4.65	Gravel
50.0	0.84	Bank	16.0	4.82	Gravel
51.0	0.30	Bank	18.0	5.02	Gravel
51.5	0.00	Right edge water	20.0	5.10	Gravel
			22.0	5.22	Gravel
[Date: June 5, 1975; time: 0850; gage height: 3.02 ft]					
---	---	Appreciable flow left of measured section: channel approximately 30 ft wide, 0.5 ft deep, velocity approximately 1.5 ft/s	24.0	5.34	Sand over gravel
			26.0	5.40	Sand over gravel
			28.0	5.38	Sand over gravel
			30.0	5.40	Gravel
0.0	0.05	Flood plain	32.0	5.45	Gravel
2.0	0.05	Flood plain	34.0	5.46	Gravel
4.0	0.10	Flood plain	36.0	5.52	Gravel
6.0	0.60	Bank	38.0	5.55	Sand over gravel
7.0	1.90	Bank	40.0	5.32	Sand
8.0	2.15	Sand	42.0	4.90	Sand
			44.0	4.82	Sand

Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 0850; gage height: 3.02 ft]					
--Continued					
46.0	4.43	Sand	6.0	0.90	Bank
48.0	3.95	Sand	8.0	4.10	Bank edge
49.0	3.60	Sand	10.0	4.42	Gravel
50.0	2.40	Sand	12.0	4.65	Gravel
52.0	0.45	Flood plain	14.0	4.90	Gravel
54.0	0.30	Flood plain	16.0	5.12	Gravel
56.0	0.22	Flood plain	18.0	5.25	Gravel
58.0	0.04	Flood plain	20.0	5.40	Gravel
60.0	0.00	Flood plain	22.0	5.50	Gravel
----	----	Backwater to right of measured section--no velocity	24.0	5.54	Gravel
			26.0	5.60	Sand over gravel
[Date: June 7, 1975; time: 0900; gage height: 3.29 ft]					
----	----	Water moving to left of measured section; first channel 30 ft by 1 ft: more behind	28.0	5.72	Mostly gravel
			30.0	5.70	Gravel
			32.0	5.74	Gravel
			34.0	5.74	Gravel
0.0	0.30	Flood plain	36.0	5.76	Gravel
2.0	0.25	Flood plain	38.0	5.72	Sand
4.0	0.32	Flood plain	40.0	5.70	Sand
			42.0	5.42	Sand

Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 0900; gage height: 3.29 ft] [Date: June 8, 1975; time: 0925; gage height: 3.28 ft]					
---Continued					
44.0	5.12	Sand	0.0	0.32	--
46.0	4.70	Sand	2.0	0.28	Flood plain
48.0	4.26	Sand	4.0	0.33	Flood plain
50.0	3.80	Bank edge	6.0	0.85	Bank
52.0	0.84	Flood plain	8.0	4.14	Bank edge, gravel
54.0	0.52	Flood plain	10.0	4.45	Gravel
56.0	0.50	Flood plain	12.0	4.80	Gravel
58.0	0.30	Flood plain	14.0	4.90	Gravel
60.0	0.26	Flood plain	16.0	5.12	Gravel
62.0	0.24	Flood plain	18.0	5.25	Gravel
64.0	0.26	Flood plain	20.0	5.40	Gravel
66.0	0.24	Flood plain	22.0	5.44	Gravel
----	----	Backwater plus some flow across	24.0	5.60	Gravel
		flood plain to right of measured	26.0	5.62	Gravel
		section	28.0	5.65	Gravel
			30.0	5.60	Sand
			32.0	5.70	Sand



Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 8, 1975; time: 0925; gage height: 3.28 ft] [Date: June 10, 1975; time: 1204; gage height: 2.25 ft]					
--Continued					
34.0	5.73	Sand	6.1	0.00	Left edge water
36.0	5.75	Gravel	7.0	1.15	Bank
38.0	5.78	Sand over gravel	8.0	1.50	Grass
40.0	5.75	Sand	9.0	3.45	Gravel
42.0	5.52	Sand	10.0	3.50	Gravel
44.0	5.14	Sand	12.0	3.60	Gravel
46.0	4.84	Sand	14.0	3.90	Gravel
48.0	4.40	Sand	16.0	4.00	Gravel
50.0	4.00	Bank edge	18.0	4.20	Gravel
51.0	2.10	Bank	20.0	4.45	Gravel
52.0	0.72	Flood plain	22.0	4.50	Gravel
54.0	0.48	Flood plain	24.0	4.55	Gravel
56.0	0.45	Flood plain	26.0	4.75	Gravel
58.0	0.28	Flood plain	28.0	4.70	Gravel
60.0	0.30	Flood plain	30.0	4.70	Gravel
62.0	0.25	Flood plain	32.0	4.70	Gravel
64.0	0.26	Flood plain	34.0	4.70	Gravel
66.0	0.24	Flood plain	36.0	4.70	Coarse sand
-----	-----	Backwater plus some flow across flood plain to right of measured section	38.0	5.00	Coarse sand

Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1204; gage height: 2.25 ft] [Date: June 12, 1975; time: 1156; gage height: 1.66 ft]					
--Continued			--Continued		
40.0	4.85	Soft sand	22.0	3.85	Gravel
42.0	4.35	Sand	24.0	3.90	Gravel
44.0	4.25	Soft sand	26.0	4.00	Gravel
46.0	3.80	Soft sand	28.0	4.04	Gravel
48.0	3.20	Sand	30.0	4.04	Gravel
50.0	2.00	Sand	32.0	4.10	Gravel
51.0	0.85	Sand and grass	34.0	4.06	Sand and gravel
51.7	0.00	Right edge water	36.0	4.10	Sand and gravel
[Date: June 12, 1975; time: 1156; gage height: 1.66 ft]					
7.0	0.50	Left edge water	38.0	4.20	Gravel
8.0	1.00	Bank	40.0	4.12	Sand
10.0	2.82	Gravel	42.0	3.68	Sand
12.0	3.00	Gravel	44.0	3.50	Sand
14.0	3.30	Gravel	46.0	3.14	Sand
16.0	3.42	Gravel	48.0	2.60	Sand
18.0	3.65	Gravel	50.0	0.44	Bank
20.0	3.75	Gravel	51.5	0.32	Right edge water

Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1100; gage height: 3.30 ft] [Date: June 14, 1975; time: 1100; gage height: 3.30 ft]					
----	----	Some flow to left of measured section	----	----	
0.0	0.37	Flood plain	36.0	5.72	Sand
2.0	0.30	Flood plain	38.0	5.80	Gravel
4.0	0.32	Flood plain	40.0	5.80	Sand
6.0	0.90	Bank	42.0	5.30	Sand
8.0	4.00	Gravel	44.0	5.16	Sand
10.0	4.52	Gravel	46.0	4.90	Sand
12.0	4.75	Gravel	48.0	4.40	Sand
14.0	4.90	Gravel	50.0	2.45	Sand
16.0	5.10	Gravel	52.0	0.60	Flood plain
18.0	5.30	Gravel	54.0	0.46	Flood plain
20.0	5.40	Gravel	56.0	0.44	Flood plain
22.0	5.50	Gravel	58.0	0.27	Flood plain
24.0	5.60	Gravel	60.0	0.28	Flood plain
26.0	5.62	Gravel	62.0	0.25	Flood plain
28.0	5.65	Sand and gravel	64.0	0.30	Flood plain
30.0	5.60	Sand and gravel	66.0	0.25	Flood plain
32.0	5.72	Sand	----	----	Some flow beyond measured section
34.0	5.60	Sand			on flood plain

Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 15, 1975; time: 1115; gage height: 3.45 ft] [Date: June 15, 1975; time: 1115; gage height: 3.45 ft]					
---Continued					
0.0	0.45	Flood plain	36.0	5.95	Gravel
2.0	0.40	Flood plain	38.0	6.24	Sand
4.0	0.42	Flood plain	40.0	6.05	Sand
6.0	0.75	Bank	42.0	5.45	Sand
8.0	2.60	Sand	44.0	5.50	Sand
10.0	4.75	Gravel	46.0	5.05	Sand
12.0	4.90	Gravel	48.0	4.45	Sand
14.0	5.00	Gravel	50.0	2.75	Sand
16.0	5.10	Gravel	52.0	0.65	Flood plain
18.0	5.30	Gravel	54.0	0.50	Flood plain
20.0	5.52	Gravel	56.0	0.55	Flood plain
22.0	5.45	Gravel	58.0	0.42	Flood plain
24.0	5.60	Gravel	60.0	0.40	Flood plain
26.0	5.70	Gravel	62.0	0.40	Flood plain
28.0	5.80	Gravel	64.0	0.38	Flood plain
30.0	5.80	Gravel	66.0	0.35	Flood plain
32.0	5.80	Gravel	----	----	Some flow beyond measured
34.0	5.80	Gravel			section on flood plain

Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 16, 1975; time: 1252; gage height: 3.47 ft] [Date: June 16, 1975; time: 1252; gage height: 3.47 ft]					
--Continued					
0.0	0.48	Flood plain	36.0	6.00	Sand
2.0	0.42	Flood plain	38.0	6.25	Sand
4.0	0.46	Flood plain	40.0	6.35	Sand
6.0	0.96	Bank	42.0	5.95	Sand
8.0	4.14	Sand	44.0	5.32	Sand
10.0	4.68	Gravel	46.0	4.95	Sand
12.0	4.70	Gravel	48.0	4.52	Sand
14.0	5.00	Gravel	50.0	2.70	Bank
16.0	5.24	Gravel	52.0	0.82	Flood plain
18.0	5.45	Gravel	54.0	0.56	Flood plain
20.0	5.60	Gravel	56.0	0.56	Flood plain
22.0	5.65	Gravel	58.0	0.38	Flood plain
24.0	5.65	Gravel	60.0	0.40	Flood plain
26.0	5.78	Gravel	62.0	0.40	Flood plain
28.0	5.88	Gravel	64.0	0.43	Flood plain
30.0	5.75	Gravel	66.0	0.40	Flood plain
32.0	5.86	Gravel	----	----	Some flow beyond measured
34.0	5.95	Sand			section on flood plain

Table 4.--Cross-section measurements, East Fork River, section A-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 0811; gage height: 3.18 ft] [Date: June 17, 1975; time: 0811; gage height: 3.18 ft]					
--Continued					
0.0	0.20	Flood plain	36.0	5.85	Gravel
2.0	0.15	Flood plain	38.0	5.80	Sand
4.0	0.20	Flood plain	40.0	6.02	Sand
6.0	0.70	Bank	42.0	5.96	Sand
8.0	4.20	Sand	44.0	5.16	Sand
10.0	4.42	Gravel	46.0	4.80	Sand
12.0	4.45	Gravel	48.0	4.34	Sand
14.0	4.74	Gravel	50.0	2.15	Sand
16.0	4.90	Gravel	52.0	0.42	Flood plain
18.0	5.12	Gravel	54.0	0.30	Flood plain
20.0	5.30	Gravel	56.0	0.30	Flood plain
22.0	5.35	Gravel	58.0	0.10	Flood plain
24.0	5.40	Gravel	60.0	0.15	Flood plain
26.0	5.55	Gravel	62.0	0.15	Flood plain
28.0	5.50	Gravel	64.0	0.15	Flood plain
30.0	5.55	Gravel	66.0	0.12	Flood plain
32.0	5.62	Gravel			
34.0	5.85	Gravel			

Table 5.--Cross-section measurements, East Fork River, section B-2

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1200; gage height: -0.04 ft] [Date: May 29, 1975; time: 1200; gage height: -0.04 ft]					
8.0	0.10	Left edge water, silt and sand	--Continued		
10.0	0.42	Silt and sand	42.0	1.24	Coarse gravel
12.0	0.75	Silt and sand	44.0	1.10	Coarse gravel
14.0	0.84	Silt and sand over gravel	46.0	0.96	Fine-medium gravel, some coarse
16.0	0.88	Medium gravel	48.0	0.73	Fine-medium gravel
18.0	0.95	Medium gravel	50.0	0.68	Fine-medium gravel
20.0	1.00	Coarse gravel	52.0	0.55	Some sand over gravel
22.0	1.08	Coarse gravel	54.0	0.58	Some sand over gravel
24.0	1.04	Coarse gravel	56.0	0.61	Some sand over gravel
26.0	1.12	Coarse gravel	58.0	0.57	Some sand over gravel
28.0	1.25	Coarse gravel	60.0	0.52	Sand and silt
30.0	1.13	Coarse gravel	62.0	0.40	Soft silt and sand
32.0	1.30	Coarse gravel	63.5	0.00	Right edge water
34.0	1.34	Some sand among gravel	[Date: June 2, 1975; time: 1438-1442; gage height: 0.50 ft]		
36.0	1.34	Some sand among gravel	8.0	0.38	Left edge water, silt over gravel
38.0	1.34	Coarse gravel	10.0	1.14	Silt over gravel
40.0	1.35	Coarse gravel	12.0	1.33	Silt over gravel

Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1438-1442; gage height: 0.50 ft]					
--Continued					
14.0	1.55	Silt over gravel	46.0	1.71	Gravel
16.0	1.58	Gravel	48.0	1.48	Gravel
18.0	1.68	Gravel	50.0	1.37	Sand and fine gravel
20.0	1.72	Gravel	52.0	1.24	Sand and fine gravel
22.0	1.85	Gravel	54.0	1.30	Sand and fine gravel
24.0	1.78	Gravel	56.0	1.29	Sand and fine gravel
26.0	1.90	Gravel	58.0	1.20	Sand and fine gravel
28.0	2.09	Gravel	60.0	1.10	Silt and mud
30.0	1.91	Gravel	62.0	1.10	Silt and mud
32.0	2.02	Gravel	64.0	0.59	Right edge water
34.0	2.13	Gravel	[Date: June 4, 1975; time: 1037-1044; gage height: 1.33 ft]		
36.0	2.21	Gravel			
38.0	2.12	Gravel			
40.0	2.06	Gravel			
42.0	2.03	Gravel			
44.0	1.89	Gravel	6.0	0.08	Left edge water
			8.0	0.94	Bank
			10.0	1.90	Soft bank material
			12.0	2.20	Soft bank material
			14.0	2.32	Gravel



Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1037-1044; gage height: 1.33 ft] [Date: June 4, 1975; time: 1037-1044; gage height: 1.33 ft]					
--Continued					
16.0	2.30	Gravel	--Continued		
18.0	2.40	Gravel	50.0	2.02	Sand
20.0	2.51	Gravel	52.0	1.94	Sand
22.0	2.60	Gravel	54.0	1.90	Sand
24.0	2.50	Gravel	56.0	2.00	Sand and gravel
26.0	2.62	Gravel	58.0	2.00	Sand and fine gravel
28.0	2.70	Gravel	60.0	1.82	Sand
30.0	2.68	Gravel	62.0	1.76	Sand
32.0	2.78	Gravel	64.0	1.20	Bank
34.0	3.00	Gravel	65.0	0.00	Right edge water
[Date: June 6, 1975; time: 0915; gage height: 2.53 ft]					
36.0	2.92	Gravel	-1.0	0.00	Left edge water
38.0	2.94	Gravel	0.0	0.20	Bank
40.0	2.88	Gravel	2.0	0.60	Bank
42.0	2.70	Gravel	4.0	0.98	Bank
44.0	2.63	Gravel	6.0	1.24	Bank
46.0	2.37	Gravel	8.0	2.02	Bank edge
48.0	2.15	Gravel			

Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 0915; gage height: 2.53 ft]					
--Continued					
10.0	3.10	-----	46.0	3.44	Gravel
12.0	3.40	Sand	48.0	3.38	Gravel
14.0	3.52	Gravel	50.0	3.25	Gravel
16.0	3.52	Sand and gravel	52.0	3.20	Gravel
18.0	3.60	Sand and gravel	54.0	3.20	Gravel
20.0	3.68	Sand and gravel	56.0	3.26	Gravel
22.0	3.80	Sand and gravel	58.0	3.12	Gravel
24.0	3.80	Gravel	60.0	2.95	Sand
26.0	3.84	Gravel	62.0	2.80	Sand
28.0	3.96	Gravel	64.0	1.20	Bank
30.0	3.90	Gravel	66.0	0.62	Flood plain
32.0	4.02	Gravel	68.0	0.25	Flood plain
34.0	4.15	Gravel	70.0	0.16	Flood plain
36.0	4.12	Gravel	75.0	0.35	Flood plain
38.0	4.10	Gravel	80.0	0.20	Flood plain
40.0	3.92	Gravel	----	----	Some flow to right of measured
42.0	3.90	Gravel			section, estimated 3.5 ft <sup>3</sup> /s
44.0	3.68	Gravel			

Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 0915; gage height: 2.77 ft]					
-1.5	0.00	Left edge water	--Continued		
0.0	0.42	Bank	30.0	4.06	Gravel
2.0	1.00	Bank	32.0	4.22	Gravel
4.0	1.30	Bank	34.0	4.30	Gravel
6.0	1.45	Bank	36.0	4.35	Gravel
8.0	2.90	Bank	38.0	4.34	Gravel
8.2	3.10	Bank edge	40.0	4.20	Gravel
10.0	3.35	Sand	42.0	4.14	Gravel
12.0	3.60	Sand	44.0	4.00	Gravel
14.0	3.70	Gravel	46.0	3.76	Gravel
16.0	3.75	Gravel	48.0	3.60	Gravel
18.0	3.80	Gravel	50.0	3.50	Gravel
20.0	3.92	Gravel	52.0	3.20	Sand
22.0	4.04	Gravel	54.0	3.40	Sand and gravel
24.0	4.04	Gravel	56.0	3.40	Sand and gravel
26.0	4.03	Gravel	58.0	3.32	Sand
28.0	4.10	Gravel	60.0	3.34	Sand

Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 0915; gage height: 2.77 ft]					
--Continued					
62.0	3.08	Sand	9.0	3.20	-----
64.0	2.80	Bank edge	10.0	3.30	Soft sand
65.0	1.40	Flood plain	12.0	3.60	Soft sand
66.0	0.96	Flood plain	14.0	3.70	Soft sand
68.0	0.46	Flood plain	16.0	3.80	Sand
70.0	0.40	Flood plain	18.0	3.75	Sand
----	----	Considerable shallow flow to right	20.0	3.95	Sand and fine gravel
		of measured section	22.0	4.00	Gravel
[Date: June 9, 1975; time: 1130; gage height: 2.72 ft]					
----	----	Considerable flow on flood plain to	24.0	4.05	Gravel
		left of measured section	26.0	4.00	Gravel
-1.6	0.00	Left edge water	28.0	4.15	Coarse gravel
0.0	0.35	Bank	30.0	4.10	Coarse gravel
2.0	0.90	Bank	32.0	4.30	Coarse gravel
4.0	1.20	Bank	34.0	4.30	Gravel
6.0	1.40	Bank	36.0	4.40	Gravel
8.0	2.40	Bank edge	38.0	4.30	Gravel
			40.0	4.30	Coarse gravel
			42.0	4.10	Gravel

Table 5.—Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1130; gage height: 2.72 ft] [Date: June 10, 1975; time: 1215; gage height: 1.78 ft]					
--Continued					
44.0	4.00	Gravel	2.0	0.00	Left edge water
46.0	3.80	Gravel	4.0	0.20	Grass
48.0	3.50	Gravel	6.0	0.35	Sand and grass
50.0	3.50	Gravel	7.0	0.70	Soft sand and grass
52.0	3.40	Coarse sand	8.0	1.40	Bank
54.0	3.40	Coarse sand	9.0	2.15	Sand
56.0	3.45	Coarse sand	10.0	2.30	Sand
58.0	3.30	Coarse sand	12.0	2.60	Sand
60.0	3.15	Sand	14.0	2.75	Gravel
62.0	3.10	Soft fine sand	16.0	2.75	Coarse sand
64.0	2.60	Soft fine sand	18.0	2.80	Sand
66.0	0.95	Flood plain	20.0	2.95	Coarse sand
68.0	0.50	Flood plain	22.0	3.05	Gravel
70.0	0.35	Flood plain	24.0	3.00	Gravel
-----	-----	Considerable flow on flood plain	26.0	3.00	Sand and gravel
		to right of measured section	28.0	3.15	Coarse sand
			30.0	3.20	Gravel

Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975, time: 1215; gage height: 1.78 ft]					
--Continued					
32.0	3.20	Gravel	64.0	1.20	Bank edge, grass and sand
34.0	3.35	Fine-medium gravel	66.0	0.00	Right edge water
36.0	3.40	Gravel	[Date: June 12, 1975; time: 1210; gage height: 1.16 ft]		
38.0	3.40	Gravel	7.0	0.00	Left edge water
40.0	3.30	Fine-medium gravel	8.0	0.95	Bank
42.0	3.15	Fine-medium gravel	10.0	1.70	Sand
44.0	3.10	Fine-medium gravel	12.0	2.04	Sand
46.0	2.80	Sand and gravel	14.0	2.10	Gravel
48.0	2.60	Sand and gravel	16.0	2.10	Gravel
50.0	2.50	Gravel	18.0	2.14	Gravel
52.0	2.40	Coarse sand and gravel	20.0	2.25	Gravel
54.0	2.45	Coarse sand	22.0	2.40	Gravel
56.0	2.45	Coarse sand	24.0	2.42	Gravel
58.0	2.25	Sand	26.0	2.45	Gravel
60.0	2.10	Sand	28.0	2.50	Gravel
62.0	2.00	Soft sand	30.0	2.50	Gravel
63.0	1.70	Sand	32.0	2.54	Gravel

Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975, time: 1210; gage height: 1.16 ft] [Date: June 14, 1975; time: 1113; gage height: 2.81 ft]					
--Continued					
34.0	2.70	Gravel	-2.0	0.00	Left edge water
36.0	2.74	Gravel	0.0	0.44	Bank
38.0	2.70	Gravel	4.0	0.90	Bank
40.0	2.64	Gravel	6.0	1.25	Bank
42.0	2.50	Gravel	8.0	2.05	Bank
44.0	2.40	Gravel	10.0	3.30	Sand
46.0	2.22	Gravel	12.0	3.70	Sand
48.0	1.95	Gravel	14.0	3.80	Gravel
50.0	1.90	Fine gravel	16.0	3.75	Gravel
52.0	1.82	Fine gravel	18.0	3.80	Gravel
54.0	1.78	Sand and gravel	20.0	4.02	Gravel
56.0	1.80	Sand	22.0	4.12	Gravel
58.0	1.65	Gravel	24.0	4.15	Gravel
60.0	1.55	Sand	26.0	4.10	Gravel
62.0	1.20	Sand	28.0	4.14	Gravel
64.0	1.14	Right edge water	30.0	4.10	Gravel
			32.0	4.30	Gravel

Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1113; gage height: 2.81 ft]					
--Continued					
34.0	4.30	Gravel	68.0	0.60	Flood plain
36.0	4.40	Gravel	70.0	0.45	Flood plain
38.0	4.30	Gravel	72.0	0.45	Flood plain
40.0	4.30	Gravel	73.0	0.50	Flood plain
42.0	4.15	Gravel			
44.0	4.02	Gravel			
46.0	3.75	Gravel			
48.0	3.62	Gravel			
50.0	3.45	Gravel			
52.0	3.35	Gravel			
54.0	3.50	Gravel			
56.0	3.42	Gravel			
58.0	3.40	Gravel			
60.0	3.20	Fine gravel			
62.0	3.10	Sand			
64.0	1.60	Bank			
66.0	0.97	Flood plain			
[Date: June 17, 1975; time: 0821; gage height: 2.66 ft]					
--Continued					
			-1.0	0.00	Left edge water
			0.0	0.30	Bank
			2.0	0.85	Bank
			4.0	1.14	Bank
			6.0	1.25	Bank
			8.0	2.25	Bank
			10.0	3.20	Sand
			12.0	3.54	Sand
			14.0	3.63	Sand
			16.0	3.65	Sand and gravel
			18.0	3.65	Sand and gravel
			20.0	3.85	Gravel



Table 5.--Cross-section measurements, East Fork River, section B-2--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975, time: 0821; gage height: 2.66 ft] [Date: June 17, 1975; time: 0821; gage height: 2.66 ft]					
--Continued					
22.0	3.95	Gravel	56.0	3.35	Gravel
24.0	4.00	Gravel	58.0	3.25	Gravel
26.0	3.95	Gravel	60.0	3.15	Sand
28.0	4.00	Gravel	62.0	2.90	Sand
30.0	4.00	Gravel	64.0	1.90	Bank
32.0	4.10	Gravel	66.0	0.68	Flood plain
34.0	4.20	Gravel	68.0	0.40	Flood plain
36.0	4.15	Gravel	70.0	0.35	Flood plain
38.0	4.20	Gravel	72.0	0.35	Flood plain
40.0	4.10	Gravel	74.0	0.35	Flood plain
42.0	4.08	Gravel			
44.0	3.82	Gravel			
46.0	3.70	Gravel			
48.0	3.55	Gravel			
50.0	3.40	Gravel			
52.0	3.32	Gravel			
54.0	3.28	Gravel			

Table 6.--Cross-section measurements, East Fork River, section B-3

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1215-1223; gage height: -0.08 ft] [Date: May 29, 1975; time: 1215-1223; gage height: -0.08 ft]					
4.0	0.00	Left edge water	---Continued		
5.0	1.94	Fine silt over gravel	38.0	1.52	-----
6.0	2.36	Fine silt over gravel	40.0	1.40	Medium gravel
8.0	2.72	Fine silt plus sand over gravel	42.0	1.26	Medium gravel
10.0	2.60	Fine silt over gravel	44.0	1.20	Fine-medium gravel
12.0	1.84	Fine silt over gravel	46.0	1.20	Fine-medium gravel
14.0	1.36	Coarse-medium gravel	48.0	0.90	Fine-medium gravel
16.0	1.35	Coarse-medium gravel	50.0	0.75	Fine gravel
18.0	1.24	Coarse-medium gravel	52.0	1.20	Fine gravel
20.0	1.12	Coarse-medium gravel	54.0	1.10	Some sand
22.0	0.90	Coarse-medium gravel	56.0	0.40	Sand
24.0	0.73	Coarse-medium gravel	58.0	0.60	Gravel
26.0	0.62	Coarse-medium gravel	60.0	0.60	-----
28.0	0.65	Coarse-medium gravel	61.0	0.00	Right edge water
30.0	0.62	Fine gravel	[Date: June 2, 1975; time: 1449-1452; gage height: 0.73 ft]		
32.0	0.68	Fine gravel	4.0	1.00	Left edge water
34.0	1.12	Fine gravel	6.0	3.13	Soft silt
36.0	1.45	---	8.0	3.05	Soft silt
			10.0	2.98	Silt and gravel

Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1449-1452; gage height: 0.73 ft] [Date: June 2, 1975; time: 1449-1452; gage height: 0.73 ft]					
--Continued					
12.0	2.92	Sand and fine gravel	46.0	2.04	Sand
14.0	2.30	Sand and fine gravel	48.0	1.94	Sand
16.0	2.30	Sand and fine gravel	50.0	1.75	Sand
18.0	2.16	Sand and fine gravel	52.0	1.82	Sand
20.0	2.04	Fine-medium gravel	54.0	1.96	Sand
22.0	1.75	Fine-medium gravel	56.0	1.41	Sand
24.0	1.60	Fine-medium gravel	58.0	1.25	Sand
26.0	1.52	Fine-medium gravel	60.0	1.60	Sand
28.0	1.50	Fine-medium gravel	62.0	0.56	Sand
30.0	1.53	Sand and fine gravel	63.0	0.00	Right edge water
32.0	1.60	Sand and fine gravel	[Date: June 4, 1975; time: 1050-1105; gage height: 1.31 ft]		
34.0	1.95	Sand and fine gravel	4.0	0.12	Left edge water
36.0	2.24	Sand	5.0	2.03	Soft bank material
38.0	2.36	Sand	6.0	3.65	Soft bank material
40.0	2.35	Sand	8.0	3.60	Gravel
42.0	2.08	Sand	10.0	3.52	Sand over gravel
44.0	1.98	Sand	12.0	3.44	Sand over gravel

Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1050-1105; gage height: 1.31 ft] [Date: June 4, 1975; time: 1050-1105; gage height: 1.34 ft]					
--Continued					
14.0	3.04	Gravel	50.0	2.43	Fine gravel
16.0	2.90	Gravel	52.0	2.42	Gravel
18.0	2.80	Gravel	54.0	2.36	Gravel
20.0	2.70	Sand over gravel	56.0	2.00	Soft sand and gravel
22.0	2.54	Sand over gravel	58.0	2.04	Sand
24.0	2.30	Gravel	60.0	2.44	Sand
26.0	2.10	Gravel	62.0	1.30	Bank
28.0	2.10	Gravel	63.2	0.64	Right edge water
30.0	2.15	Gravel	[Date: June 6, 1975; time: 0930; gage height: 2.51 ft]		
32.0	2.28	Gravel	----	----	Water is about 1/2 foot deep on left
34.0	2.55	Gravel	bank flood plain--flow 10 ft <sup>3</sup> /s at most		
36.0	2.70	Gravel	-8.0	1.00	Flood plain
38.0	2.82	Gravel	0.0	0.65	Flood plain
40.0	2.80	Gravel	2.0	0.74	Flood plain
42.0	2.74	Sand	4.0	1.12	Flood plain
44.0	2.70	Sand	5.0	4.90	-----
46.0	2.60	Gravel	8.0	4.80	Sand
48.0	2.54	Fine gravel			

Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 0930; gage height: 2.51 ft] [Date: June 6, 1975; time: 0930; gage height: 2.51 ft]					
--Continued			--Continued		
10.0	4.75	Gravel	46.0	3.80	Gravel
12.0	4.60	Sand	48.0	3.65	Sand
14.0	4.24	Gravel	50.0	3.55	Sand
16.0	4.12	Gravel	52.0	3.42	Sand
18.0	4.00	Gravel	54.0	3.40	Sand
20.0	3.90	Gravel	56.0	3.15	Sand
22.0	3.64	Gravel	58.0	3.25	Sand
24.0	3.50	Gravel	60.0	3.60	Sand
26.0	3.35	Gravel	62.0	2.50	Sand
28.0	3.30	Gravel	64.0	0.50	Bank
30.0	3.42	Gravel	66.0	0.30	Flood plain
32.0	3.70	Gravel	68.0	0.15	Flood plain
34.0	3.75	Gravel	70.0	0.24	Flood plain
36.0	4.00	Gravel	75.0	0.24	Flood plain
38.0	4.04	Gravel	80.0	0.40	Flood plain
40.0	4.04	Gravel	-----	-----	Small amount of flow on flood plain
42.0	4.00	Gravel			to right of measured section
44.0	3.92	Gravel			

Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 0925; gage height: 2.75 ft]					
----	----	Left of measured section, flow extends back to bank in Wasatch formation	[Date: June 7, 1975; time: 0925; gage height: 2.75 ft] --Continued		
-73.9	0.00	Left edge water, terrace bank, velocity 0.3 ft/s	6.0	5.10	-----
-71.0	0.85	Terrace bank, velocity 0.3 ft/s	8.0	5.06	Gravel
-64.0	1.54	Floodplain, velocity 0.3 ft/s	10.0	5.00	Sand and gravel
-57.0	1.10	Floodplain, velocity 0.3 ft/s	12.0	4.85	Sand
-50.0	1.30	Floodplain, velocity 0.3 ft/s	14.0	4.60	Sand and gravel
-43.0	1.92	Floodplain, velocity 0.3 ft/s	16.0	4.42	Gravel
-36.0	1.25	Floodplain, velocity 0.3 ft/s	18.0	4.30	Gravel
-29.0	0.74	Floodplain, velocity 0.3 ft/s	20.0	4.34	Gravel
-22.0	1.60	Floodplain, velocity 0.3 ft/s	22.0	4.00	Gravel
-15.0	0.46	Floodplain, velocity 0.3 ft/s	24.0	3.80	Gravel
-8.0	1.30	Floodplain, velocity 0.3 ft/s	26.0	3.62	Gravel
	0.60	Floodplain, velocity 0.3 ft/s	28.0	3.58	Gravel
	0.82	Floodplain, velocity 0.3 ft/s	30.0	3.60	Gravel
	1.10	Floodplain, velocity 0.3 ft/s	32.0	3.84	Gravel
	1.42	Floodplain, velocity 0.3 ft/s	34.0	4.00	Gravel
	3.50	Bank edge	36.0	4.14	Gravel
			38.0	4.25	Gravel
			40.0	4.25	Sand and fine gravel
			42.0	4.24	Sand

Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 0925; gage height: 2.75 ft] [Date: June 10, 1975; time: 1230; gage height: 1.77 ft]					
---Continued					
44.0	4.12	Sand	2.0	0.00	Left edge water
46.0	4.04	Sand	4.0	0.20	Grassy flood plain
48.0	4.02	Sand	5.0	0.85	Grassy flood plain
50.0	3.88	Sand	6.0	3.95	Sand
52.0	3.88	Sand	8.0	4.10	Coarse sand
54.0	3.62	Sand	10.0	4.00	Sand
56.0	3.50	Sand	12.0	3.85	Soft fine sand
58.0	3.42	Sand	14.0	3.65	Hard coarse sand
60.0	3.66	Sand	16.0	3.35	Hard coarse sand
62.0	2.84	Sand	18.0	3.25	Hard sand
64.0	0.77	Flood plain	20.0	3.20	Sand
66.0	0.52	Flood plain	22.0	2.80	Hard coarse sand
68.0	0.43	Flood plain	24.0	2.70	Hard coarse sand
70.0	0.50	Flood plain	26.0	2.55	Hard coarse sand
72.0	0.57	Flood plain	28.0	2.55	Hard sand
74.0	0.66	Flood plain	30.0	2.60	Gravel
80.0	0.60	Flood plain	32.0	2.85	Gravel
-----	-----	Considerable shallow flow on flood plain to right of measured section	34.0	2.50	Gravel
			36.0	3.25	Coarse sand
			38.0	3.30	Coarse sand

Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1230; gage height: 1.77 ft] [Date: June 12, 1975; time: 1220; gage height: 1.18 ft]					
--Continued			--Continued		
40.0	3.40	Coarse sand	8.0	3.50	Sand and gravel
42.0	3.20	Coarse sand	10.0	3.40	Sand and gravel
44.0	3.20	Coarse sand	12.0	3.28	Sand and gravel
46.0	3.10	Coarse sand	14.0	3.00	Gravel
48.0	3.00	Coarse sand	16.0	2.74	Gravel
50.0	2.95	Sand	18.0	2.65	Gravel
52.0	2.85	Sand	20.0	2.55	Gravel
54.0	2.85	Soft sand	22.0	2.40	Gravel
56.0	2.40	Sand	24.0	2.14	Gravel
58.0	2.40	Sand	26.0	2.00	Gravel
60.0	2.45	Sand	28.0	1.88	Gravel
62.0	1.75	Sand	30.0	2.04	Gravel
63.5	1.15	Right edge water	32.0	2.20	Gravel
[Date: June 12, 1975; time: 1220; gage height: 1.18 ft]					
5.0	0.20	Left edge water	34.0	2.35	Gravel
6.0	3.40	Sand	36.0	2.52	Gravel
			38.0	2.65	Gravel
			40.0	2.65	Gravel



Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975, time: 1220; gage height: 1.18 ft] [Date: June 14, 1975; time: 1125; gage height: 2.78 ft]					
--Continued					
42.0	2.60	Gravel	4.0	1.30	Flood plain
44.0	2.52	Gravel	6.0	5.15	Sand
46.0	2.45	Gravel	8.0	5.10	Sand
48.0	2.36	Gravel	10.0	5.10	Sand
50.0	2.40	Gravel	12.0	4.90	Sand
52.0	2.42	Gravel	14.0	4.60	Gravel
54.0	2.55	Sand	16.0	4.40	Gravel
56.0	2.25	Sand	18.0	4.35	Gravel
58.0	2.00	Sand	20.0	4.10	Gravel
60.0	2.00	Sand	22.0	4.10	Gravel
62.0	1.20	Sand	24.0	3.80	Gravel
63.5	0.58	Right edge water	26.0	3.60	Gravel
[Date: June 14, 1975; time: 1125; gage height: 2.78 ft]					
-----	-----	Some flow to left of measured section	28.0	3.55	Gravel
0.0	0.85	Flood plain	30.0	3.80	Gravel
2.0	1.04	Flood plain	32.0	3.90	Gravel
			34.0	4.10	Gravel
			36.0	4.30	Gravel
			38.0	4.40	Gravel

Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1125; gage height: 2.78 ft] [Date: June 14, 1975; time: 1125; gage height: 2.78 ft]					
--Continued					
40.0	4.35	Gravel	74.0	0.75	Flood plain
42.0	4.20	Gravel	----	----	Some flow to right of measured
44.0	4.20	Gravel			section
46.0	4.10	Gravel			
48.0	4.10	Sand and gravel			
50.0	4.05	Sand and gravel			
52.0	3.90	Sand			
54.0	3.82	Sand			
56.0	3.54	Sand			
58.0	3.45	Sand			
60.0	3.62	Sand			
62.0	2.90	Sand			
64.0	0.66	Bank			
66.0	0.56	Flood plain			
68.0	0.45	Flood plain			
70.0	0.50	Flood plain			
72.0	0.66	Flood plain			
[Date: June 17, 1975; time: 0834-0642; gage height: 2.63 ft]					
			0.0	0.75	Flood plain
			2.0	0.90	Flood plain
			4.0	1.04	Flood plain
			6.0	5.05	Gravel
			8.0	4.95	Gravel
			10.0	4.90	Sand and gravel
			12.0	4.80	Sand and gravel
			14.0	4.50	Gravel
			16.0	4.32	Gravel
			18.0	4.20	Gravel
			20.0	4.08	Gravel
			22.0	3.95	Gravel
			24.0	3.60	Gravel

Table 6.--Cross-section measurements, East Fork River, section B-3--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 0834-0842; gage height: 2.63 ft] [Date: June 17, 1975; time: 0834-0842; gage height: 2.63 ft]					
--Continued			--Continued		
26.0	3.45	Gravel	58.0	3.22	Sand
28.0	3.40	Gravel	60.0	3.50	Sand
30.0	3.55	Gravel	62.0	2.85	Bank
32.0	3.60	Gravel	64.0	0.56	Flood plain
34.0	3.85	Gravel	66.0	0.38	Flood plain
36.0	3.95	Gravel	68.0	0.30	Flood plain
38.0	4.05	Gravel	70.0	0.32	Flood plain
40.0	4.04	Gravel	72.0	0.45	Flood plain
42.0	4.02	Gravel	74.0	0.55	Flood plain
44.0	4.03	Gravel			
46.0	3.90	Gravel			
48.0	3.82	Gravel			
50.0	3.82	Sand			
52.0	3.85	Sand			
54.0	3.70	Sand			
56.0	3.35	Sand			

Table 7.--Cross-section measurements, East Fork River, section B-4

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1225-1233; gage height: 0.08 ft]					
21.0	0.25	Left edge water	--Continued		
22.0	0.75	Bank material, silt and sand	60.0	1.60	Medium gravel
24.0	1.42	Fine sand over gravel	62.0	1.30	Medium gravel
26.0	1.31	Fine sand over gravel	64.0	1.10	Pebbles up to 2-3 inches in diameter with finer gravel
28.0	1.40	Fine sand over gravel	66.0	1.02	Pebbles up to 2-3 inches in diameter with finer gravel
30.0	1.42	Fine sand over gravel			
32.0	2.10	Fine sand over gravel	68.0	1.40	Smooth bed
34.0	2.40	Fine sand over gravel	70.0	1.72	Hard-packed bed
36.0	2.63	Fine sand over gravel	72.0	1.82	Coarse gravel
38.0	2.62	Fine sand over gravel	74.0	1.74	Coarse gravel
40.0	2.34	1 inch of sand over gravel	76.0	1.62	Coarse gravel
42.0	1.64	1 inch of sand over gravel	78.0	1.37	Coarse gravel
44.0	1.14	1 inch of sand over gravel	80.0	0.68	Coarse gravel
46.0	1.00	1 inch of sand over gravel	82.0	0.24	Fine-medium gravel
48.0	1.00	1 inch of sand over gravel	84.0	0.15	Fine-medium gravel
50.0	1.00	Medium gravel	86.0	0.20	Fine-medium gravel
52.0	1.07	Medium gravel	88.0	0.54	Fine-medium gravel
54.0	1.24	Medium gravel	90.0	0.93	Fine-medium gravel
56.0	1.46	Medium gravel	92.0	0.00	Right edge water
58.0	1.65	Medium gravel			

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1456-1503; gage height: 0.63 ft]					
21.0	1.98	Fine sand and gravel	--Continued		
22.0	1.45	Fine sand and gravel	58.0	2.12	Sand
24.0	2.08	Fine sand and gravel	60.0	2.10	Sand
26.0	1.90	Fine sand and gravel	62.0	1.50	Sand
28.0	1.90	Fine sand and gravel	64.0	1.53	Gravel
30.0	2.53	Fine sand and gravel	66.0	2.15	Gravel
32.0	2.90	Fine sand and gravel	68.0	2.90	Gravel
34.0	3.16	Fine sand and gravel	70.0	3.30	Gravel
36.0	3.42	Fine sand and gravel	72.0	3.60	Gravel
38.0	3.44	Fine sand and gravel	74.0	3.40	Gravel
40.0	3.08	Fine-medium gravel	76.0	3.20	Gravel
42.0	2.42	Fine-medium gravel	78.0	2.60	Gravel
44.0	1.90	Sand	80.0	1.87	Gravel
46.0	1.62	Sand	82.0	1.12	Gravel
48.0	1.58	Sand	84.0	0.53	Sand
50.0	1.52	Sand	86.0	0.42	Sand
52.0	1.60	Sand	88.0	1.00	Sand
54.0	1.75	Sand	90.0	1.62	Sand
56.0	2.00	Sand	92.0	0.70	-----
			93.0	0.80	Right edge water

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1110-1112; gage height: 1.52 ft] [Date: June 4, 1975; time: 1110-1112; gage height: 1.52 ft]					
0.0	0.00	Left edge water	--Continued		
2.0	0.32	Grass-covered flood plain; dead water	38.0	3.73	Gravel
4.0	0.78	Grass-covered flood plain; dead water	40.0	3.38	Sand over gravel
6.0	0.54	Grass-covered flood plain; dead water	42.0	2.82	Fine gravel
8.0	0.71	Grass-covered flood plain; dead water	44.0	2.50	Sand
10.0	0.36	Grass-covered flood plain; dead water	46.0	2.26	Sand
12.0	0.40	Grass-covered flood plain; dead water	48.0	2.30	Sand
14.0	0.60	Grass-covered flood plain; dead water	50.0	2.40	Sand
16.0	0.60	Flood plain; trace of velocity	52.0	2.43	Fine gravel
18.0	0.82	Flood plain; moving water	54.0	2.52	Sand and fine gravel
20.0	1.13	Flood plain; moving water	56.0	2.30	Sand
22.0	1.66	Flood plain; moving water	58.0	2.70	Fine gravel
24.0	2.70	Gravel	60.0	2.70	Fine gravel
26.0	2.58	Gravel	62.0	2.40	Gravel
28.0	2.73	Gravel	64.0	2.68	Gravel
30.0	2.90	Gravel	66.0	3.08	Coarse gravel
32.0	2.20	Gravel	68.0	3.40	Fine gravel and sand
34.0	3.44	Gravel	70.0	3.60	Gravel
36.0	3.60	Gravel	72.0	4.15	Gravel

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1110-1112; gage height: 1.52 ft] [Date: June 6, 1975; time 1000; gage height: 2.88 ft]					
--Continued					
74.0	4.00	Gravel	10.0	1.22	Flood plain
76.0	3.60	Gravel	12.0	1.80	Flood plain
78.0	3.50	Gravel	14.0	1.82	Flood plain
80.0	3.50	Gravel	16.0	2.04	Flood plain
82.0	3.00	Gravel	18.0	2.30	Bank
84.0	2.80	Gravel	20.0	3.00	Bank
86.0	2.10	Sand	22.0	3.80	Bank edge
88.0	1.90	Sand	24.0	4.00	Gravel
90.0	2.03	Sand	26.0	3.90	Gravel
92.0	1.70	Bank; flow upstream	28.0	4.00	Gravel
94.0	0.00	Right edge water	30.0	4.32	Gravel
[Date: June 6, 1975; time 1000; gage height: 2.88 ft]					
-4.0	0.00	Left edge water, terrace colluvium	32.0	4.45	Gravel
0.0	1.10	Flood plain	34.0	4.60	Gravel
2.0	1.82	Flood plain	36.0	4.82	Gravel
4.0	2.14	Flood plain	38.0	4.90	Gravel
6.0	1.95	Flood plain	40.0	4.50	Fine gravel
8.0	1.95	Flood plain	42.0	4.15	Sand
			44.0	3.80	Sand
			46.0	3.78	Sand

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time 1000; gage height: 2.88 ft]					
--Continued					
48.0	3.70	Sand and gravel	84.0	4.15	Gravel
50.0	3.75	Sand and gravel	86.0	4.13	Gravel
52.0	3.80	Sand and gravel	88.0	4.24	Sand and gravel
54.0	3.90	Sand	90.0	3.94	Sand
56.0	4.00	Sand and gravel	92.0	2.75	Sand
58.0	4.20	Gravel	94.0	1.24	Bank
60.0	4.20	Gravel	96.0	0.22	Flood plain
62.0	4.20	Gravel	98.0	0.06	Flood plain
64.0	4.32	Gravel	100.0	0.20	Flood plain
66.0	4.70	Gravel	102.0	0.50	Flood plain
68.0	4.70	Sand	107.0	0.50	Flood plain
70.0	4.90	Gravel	----	----	Approximately 5-10 ft <sup>3</sup> /s to right of measured section
72.0	5.12	Gravel			
74.0	5.00	Gravel			
76.0	4.81	Gravel	[Date: June 7, 1975; time 0945; gage height: 3.15 ft]		
78.0	4.70	Gravel	-5.5	0.00	Left edge water against high terrace bank
80.0	4.55	Gravel	0.0	1.85	Flood plain
82.0	4.60	Gravel	2.0	2.14	Flood plain
			4.0	2.45	Flood plain



Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time 0945; gage height: 3.15 ft]					
--Continued					
6.0	2.20	Flood plain	42.0	4.56	Gravel
8.0	2.32	Flood plain	44.0	4.32	Gravel
10.0	2.04	Flood plain	46.0	4.04	Gravel
12.0	2.10	Flood plain	48.0	4.35	Fine gravel and sand
14.0	2.06	Flood plain	50.0	4.15	Fine gravel and sand
16.0	2.40	Flood plain	52.0	4.10	Sand
18.0	2.55	Bank edge	54.0	4.12	Sand
20.0	3.12	Sand	56.0	4.20	Sand
22.0	3.82	Sand	58.0	4.50	Gravel
24.0	4.50	Gravel	60.0	4.60	Gravel
26.0	4.40	Gravel	62.0	4.55	Gravel
28.0	4.40	Gravel	64.0	4.56	Gravel
30.0	4.45	Gravel	66.0	4.92	Gravel
32.0	4.72	Gravel	68.0	5.04	Gravel
34.0	4.90	Gravel	70.0	4.85	Sand
36.0	5.03	Gravel	72.0	4.70	Sand
38.0	4.94	Gravel	74.0	4.95	Gravel
40.0	4.74	Gravel	76.0	5.16	Gravel

[Date: June 7, 1975; time 0945; gage height: 3.15 ft]

--Continued

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time 0945; gage height: 3.15 ft]					
--Continued					
78.0	5.30	Gravel	0.0	0.45	Flood plain
80.0	5.00	Gravel	2.0	0.85	Flood plain
82.0	4.75	Gravel	4.0	1.20	Flood plain
84.0	4.44	Gravel	6.0	1.05	Sand and grass; flood plain
86.0	4.60	Gravel	8.0	1.10	Sand and grass; flood plain
88.0	4.30	Gravel	10.0	0.85	Sand and grass; flood plain
90.0	4.28	Sand	12.0	0.85	Sand and grass; flood plain
91.0	3.60	Sand	14.0	0.95	Sand and grass; flood plain
92.0	3.65	Sand	16.0	1.10	Sand and grass; flood plain
94.0	1.50	Bank	18.0	1.40	Sand and grass; flood plain
96.0	0.54	Flood plain	20.0	1.70	Sand and grass; flood plain
98.0	0.25	Flood plain	22.0	2.30	Sand
100.0	0.45	Flood plain	23.0	3.40	Coarse sand
102.0	0.78	Flood plain	24.0	3.45	Coarse sand
----	----	Shallow flow on flood plain to right of measured section	26.0	3.15	Coarse sand
			28.0	3.20	Coarse sand
			30.0	3.55	Gravel
-2.0	0.00	Left edge water	32.0	3.80	Gravel and sand
[Date: June 10, 1975; time 1243; gage height: 2.09 ft]					
--Continued					

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time 1243; gage height: 2.09 ft]					
--Continued					
34.0	4.00	Gravel	70.0	3.45	Soft sand
36.0	4.20	Gravel and sand	72.0	3.55	Coarse sand
38.0	4.15	Gravel and sand	74.0	3.20	Coarse sand
40.0	4.00	Gravel	76.0	3.70	Coarse sand
42.0	3.90	Gravel	78.0	4.25	Coarse sand and fine gravel
44.0	3.15	Coarse sand	80.0	4.35	Gravel
46.0	2.95	Sand	82.0	4.20	Gravel
48.0	2.90	Sand	84.0	3.55	Fine-medium gravel
50.0	3.10	Sand	86.0	3.30	Sand and gravel
52.0	3.25	Sand	88.0	3.05	Sand
54.0	3.15	Sand	90.0	2.90	Sand
56.0	3.20	Sand	92.0	1.55	Soft sand
58.0	3.30	Gravel and sand	93.0	0.85	Sand and gravel
60.0	3.45	Gravel	94.0	0.25	Soft sand
62.0	3.50	Gravel	94.7	0.10	Right edge water
64.0	3.65	Sand	[Date: June 12, 1975; time 1230; gage height: 1.41 ft]		
66.0	3.70	Sand	1.0	0.00	Left edge water
68.0	3.55	Soft sand	2.0	0.20	Flood plain

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time 1230; gage height: 1.41 ft]					
--Continued					
4.0	0.40	Flood plain	40.0	3.06	Gravel
6.0	0.40	Flood plain	42.0	2.70	Fine gravel
8.0	0.45	Flood plain	44.0	2.42	Fine gravel
10.0	0.20	Flood plain	46.0	2.05	Fine gravel
12.0	0.30	Flood plain	48.0	2.16	Fine gravel
14.0	0.25	Flood plain	50.0	2.40	Gravel
16.0	0.52	Flood plain	52.0	2.40	Fine gravel
18.0	0.74	Flood plain	54.0	2.50	Sand and gravel
20.0	1.00	Bank	56.0	2.52	Fine gravel
22.0	2.60	Gravel	58.0	2.60	Gravel
24.0	2.50	Gravel	60.0	2.70	Gravel
26.0	2.50	Gravel	62.0	2.70	Gravel
28.0	2.40	Gravel	64.0	2.80	Sand
30.0	2.60	Gravel	66.0	2.85	Sand and gravel
32.0	2.95	Gravel	68.0	2.80	Sand
34.0	3.10	Gravel	70.0	3.00	Sand and gravel
36.0	3.16	Gravel	72.0	3.30	Gravel
38.0	3.20	Gravel	74.0	3.06	Gravel

[Date: June 12, 1975; time 1230; gage height: 1.41 ft]

--Continued

--Continued

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time 1230; gage height: 1.41 ft]					
--Continued					
76.0	3.20	Gravel	12.0	1.94	Flood plain
78.0	3.50	Gravel	14.0	2.00	Flood plain
80.0	3.40	Gravel	16.0	2.50	Flood plain
82.0	3.10	Gravel	18.0	2.50	Flood plain
84.0	2.80	Gravel	20.0	3.40	Bank
86.0	2.65	Sand	21.0	5.20	Sand
88.0	2.52	Sand	22.0	5.25	Sand
90.0	1.54	Bank	24.0	4.80	Gravel
92.0	1.15	Bank	26.0	4.75	Gravel
93.0	0.00	Right edge water	28.0	4.85	Gravel
[Date: June 14, 1975; time 1145; gage height: 3.20 ft]					
-5.5	0.00	Left edge water	30.0	5.15	Gravel
0.0	1.50	Flood plain	32.0	4.80	Gravel
2.0	2.00	Flood plain	34.0	5.10	Gravel
4.0	2.30	Flood plain	36.0	5.00	Gravel
6.0	2.20	Flood plain	38.0	5.10	Gravel
8.0	2.24	Flood plain	40.0	5.24	Gravel
10.0	2.00	Flood plain	42.0	4.50	Fine gravel
			44.0	4.45	Sand and gravel

[Date: June 14, 1975; time 1145; gage height: 3.20 ft]

--Continued

Table 7.—Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time 1145; gage height: 3.20 ft]					
--Continued					
46.0	4.10	Sand	82.0	5.10	Gravel
48.0	4.15	Sand	84.0	4.90	Gravel
50.0	4.30	Sand and gravel	86.0	4.85	Gravel
52.0	4.50	Sand	88.0	4.60	Gravel
54.0	4.50	Sand	90.0	4.45	Sand
56.0	4.42	Sand and gravel	92.0	3.50	Sand
58.0	4.52	Gravel	94.0	1.46	Bank
60.0	4.62	Gravel	96.0	0.50	Flood plain
62.0	4.65	Gravel	98.0	0.50	Flood plain
64.0	4.72	Gravel	100.0	0.35	Flood plain
66.0	4.90	Gravel	[Date: June 17, 1975; time 0848; gage height: 3.01 ft]		
68.0	5.05	Gravel	-5.0	0.00	Left edge water
70.0	5.00	Sand	0.0	1.35	Flood plain
72.0	4.60	Sand	2.0	1.85	Flood plain
74.0	5.15	Gravel	4.0	2.20	Flood plain
76.0	5.20	Gravel	6.0	1.95	Flood plain
78.0	5.40	Gravel	8.0	2.05	Flood plain
80.0	5.25	Gravel			

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time 0848; gage height: 3.01 ft]					
--Continued					
10.0	1.75	Flood plain	46.0	3.70	Sand and gravel
12.0	1.35	Flood plain	48.0	3.75	Sand
14.0	1.40	Flood plain	50.0	3.90	Sand and gravel
16.0	2.20	Flood plain	52.0	4.10	Gravel
18.0	2.35	Flood plain	54.0	4.25	Gravel
20.0	2.60	Bank	56.0	4.10	Sand and gravel
22.0	3.92	Sand	58.0	4.25	Gravel
24.0	4.10	Gravel	60.0	4.30	Gravel
26.0	3.85	Gravel	62.0	4.35	Gravel
28.0	4.05	Gravel	64.0	4.50	Gravel
30.0	4.20	Gravel	66.0	4.60	Gravel
32.0	4.30	Gravel	68.0	4.85	Gravel
34.0	4.65	Gravel	70.0	4.80	Sand
36.0	4.85	Gravel	72.0	4.60	Sand
38.0	5.12	Gravel	74.0	4.70	Sand
40.0	4.70	Gravel	76.0	4.80	Sand and gravel
42.0	4.70	Gravel	78.0	5.05	Gravel
44.0	4.10	Gravel	80.0	5.10	Gravel

[Date: June 17, 1975; time 0343; gage height: 3.01 ft]

--Continued

Table 7.--Cross-section measurements, East Fork River, section B-4--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time 0648; gage height: 3.01 ft]					
--Continued					
82.0	5.10	Gravel			
84.0	4.70	Gravel			
86.0	4.25	Gravel			
88.0	4.50	Gravel			
90.0	4.32	Sand			
92.0	3.00	Sand			
94.0	1.20	Sand			
96.0	0.25	Flood plain			
98.0	0.16	Flood plain			
100.0	0.16	Flood plain			
102.0	0.26	Flood plain			



Table 8.--Cross-section measurements, East Fork River, section B-5E

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1247-1252; gage height: 0.04 ft]					
9.0	0.50	Left edge water	--Continued		
10.0	1.00	Medium gravel	46.0	0.15	Coarse gravel
12.0	1.12	Medium gravel	47.0	0.00	Right edge water
14.0	1.10	Medium gravel	[Date: June 2, 1975; time: 1507-1511; gage height: 0.67 ft]		
16.0	1.16	Medium gravel	9.0	1.24	Left edge water; silt
18.0	1.16	Medium gravel	10.0	1.63	Silt
20.0	1.25	Medium gravel	12.0	1.81	Gravel
22.0	1.42	Streaks of sand over gravel	14.0	1.82	Gravel
24.0	1.60	Streaks of sand over gravel	16.0	1.91	Gravel
26.0	1.80	Coarse gravel	18.0	1.90	Gravel
28.0	1.82	Coarse gravel	20.0	2.05	Sand over gravel
30.0	1.76	Coarse gravel	22.0	2.10	Sand over gravel
32.0	1.74	Coarse gravel	24.0	2.32	Sand and gravel
34.0	1.62	Coarse gravel	26.0	2.50	Sand and gravel
36.0	1.12	Coarse gravel	28.0	2.57	Sand and gravel
38.0	0.96	Coarse gravel	30.0	2.63	Sand and gravel
40.0	0.92	Coarse gravel	32.0	2.51	Sand and gravel
42.0	0.60	Coarse gravel	34.0	2.42	Sand and gravel
44.0	0.35	Coarse gravel	36.0	2.13	Sand and fine gravel

Table 8.--Cross-section measurements, East Fork River, section B-5E--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1507-1511; gage height: 0.67 ft] [Date: June 4, 1975; time: 1130-1143; gage height: 1.53 ft]					
--Continued					
38.0	1.78	Sand and fine gravel	22.0	3.04	Gravel
40.0	1.70	Gravel	24.0	3.02	Sand
42.0	1.42	Gravel	26.0	3.20	Sand
44.0	1.20	Gravel	28.0	3.30	Sand
46.0	0.96	Gravel bank	30.0	3.48	Gravel
48.0	0.54	Gravel bank	32.0	3.32	Gravel
50.0	0.25	Gravel bank	34.0	3.20	Gravel
51.0	0.00	Right edge water	36.0	2.97	Gravel
[Date: June 4, 1975; time: 1130-1143; gage height: 1.53 ft]					
6.0	0.00	Left edge water	38.0	2.60	Gravel
8.0	0.46	Bank	40.0	2.53	Gravel
10.0	2.40	Sand (?)	42.0	2.30	Gravel
12.0	2.50	Sand	44.0	2.12	Gravel
14.0	2.60	Gravel	46.0	1.94	Gravel
16.0	2.72	Gravel	48.0	1.44	Gravel
18.0	2.82	Gravel	50.0	1.20	Some gravel
20.0	2.80	Gravel	52.0	0.60	Bank
			53.5	0.00	Right edge water

Table 8.--Cross-section measurements, East Fork River, section B-5E--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1025; gage height: 2.85 ft]					
-25.0	----	Mostly backwater between stations	--Continued		
		-11 and -25			
-11.0	0.88	Flood plain	30.0	4.75	Gravel
-5.5	0.50	Flood plain	32.0	4.70	Gravel
0.0	0.25	Flood plain	34.0	4.58	Gravel
2.0	0.30	Flood plain	36.0	4.38	Gravel
4.0	0.72	Flood plain	38.0	4.15	Gravel
6.0	1.35	Bank	40.0	4.00	Gravel
8.0	1.85	Bank	42.0	3.72	Gravel
10.0	3.65	Sand	44.0	3.40	Gravel
12.0	3.95	Gravel	46.0	3.22	Gravel
14.0	3.95	Gravel	48.0	2.86	Gravel
16.0	4.00	Gravel	50.0	2.50	Gravel
18.0	4.10	Gravel	52.0	1.93	Bank material; some gravel
20.0	4.16	Gravel	53.5	1.45	Right edge water
22.0	4.34	Gravel	[Date: June 7, 1975; time: 1030; gage height: 3.12 ft]		
24.0	4.50	Gravel	----	-----	Some shallow flow to left of measured section
26.0	4.68	Gravel	0.0	0.56	Flood plain
28.0	4.72	Gravel	2.0	0.65	Flood plain

Table 8.--Cross-section measurements, East Fork River, section B-5E--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1030; gage height: 3.12 ft]					
--Continued					
4.0	1.00	Flood plain	40.0	4.30	Gravel
6.0	1.65	Bank	42.0	4.00	Gravel
8.0	2.14	Bank	44.0	3.82	Gravel
10.0	4.00	-----	46.0	3.57	Gravel
12.0	4.22	Gravel	48.0	3.20	Gravel
14.0	4.26	Gravel	50.0	2.90	Gravel bank
16.0	4.35	Sand over gravel	52.0	2.45	Gravel bank
18.0	4.35	Sand over gravel	53.0	2.05	Right edge water
20.0	4.50	Gravel	[Date: June 9, 1975; time: 1205; gage height: 3.15 ft]		
22.0	4.68	Gravel	----	----	Some flow to left of measured section
24.0	4.84	Gravel	0.0	0.50	Flood plain
26.0	4.95	Gravel	2.0	0.55	Flood plain
28.0	5.10	Gravel	4.0	1.00	Flood plain
30.0	5.05	Gravel	6.0	1.65	Bank
32.0	5.10	Gravel	8.0	2.30	Bank
34.0	4.92	Gravel	9.0	3.70	Fine sand
36.0	4.70	Gravel	10.0	4.05	Fine sand
38.0	4.45	Gravel			

Table 8.--Cross-section measurements, East Fork River, section B-5E--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1205; gage height: 3.15 ft]					
--Continued					
12.0	4.20	Gravel	48.0	3.20	Hard-packed fine gravel
14.0	4.25	Sand and gravel	50.0	2.90	Loose sand
16.0	4.40	Sand and gravel	52.0	2.40	Gravel
18.0	4.50	Fine-medium gravel	53.5	1.90	Gravel
20.0	4.55	Fine-medium gravel	-----	-----	Considerable flow to right of measured section
22.0	4.70	Hard-packed, fine-medium gravel			
24.0	4.80	Fine-medium gravel			
26.0	5.10	Hard-packed gravel	[Date: June 10, 1975; time: 1302; gage height: 2.10 ft]		
28.0	5.15	Hard-packed gravel	4.6	0.00	Left edge water; flood plain
30.0	5.20	Hard-packed gravel	6.0	0.50	Sand and grass; flood plain
32.0	5.00	Coarse sand	8.0	1.00	Sand and grass; bank
34.0	4.85	Fine gravel	9.0	1.75	Bank edge
36.0	4.65	Fine gravel	10.0	3.10	Sand
38.0	4.35	Gravel	12.0	2.70	Hard-packed sand
40.0	4.15	Fine-medium gravel	14.0	3.20	Gravel
42.0	3.95	Fine-medium gravel	16.0	3.30	Gravel
44.0	3.75	Hard-packed fine gravel	18.0	3.40	Gravel
46.0	3.50	Hard-packed fine gravel	20.0	3.45	Gravel and sand

Table 8.--Cross-section measurements, East Fork River, section B-5E--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1303; gage height: 2.10 ft] [Date: June 12, 1975; time: 1250; gage height: 1.40 ft]					
--Continued					
22.0	3.55	Gravel and sand	6.5	0.00	Left edge water
24.0	3.75	Gravel and sand	8.0	0.30	Bank
26.0	3.90	Gravel and sand	9.0	1.95	Bank
28.0	4.00	Gravel	10.0	2.40	Gravel
30.0	4.00	Gravel	12.0	2.50	Gravel
32.0	4.00	Gravel	14.0	2.50	Gravel
34.0	3.80	Gravel	16.0	2.60	Sand moving over gravel
36.0	3.55	Gravel	18.0	2.68	Gravel
38.0	3.20	Fine-medium gravel	20.0	2.75	Gravel
40.0	3.10	Hard-packed, fine-medium gravel	22.0	2.84	Gravel
42.0	2.95	Hard-packed, fine-medium gravel	24.0	3.02	Gravel
44.0	2.65	Hard-packed gravel	26.0	3.12	Gravel
46.0	2.45	Sand	28.0	3.32	Gravel
48.0	2.05	Pebbles over Wasatch formation	30.0	3.30	Gravel
50.0	1.75	Pebbles over Wasatch formation	32.0	3.22	Gravel
52.0	1.20	Pebbles	34.0	3.06	Gravel
53.3	0.90	Right edge water, pebbles	36.0	2.80	Gravel
			38.0	2.56	Gravel
			40.0	2.45	Gravel

Table 8.--Cross-section measurements, East Fork River, section B-5E--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1250; gage height: 1.40 ft]					
--Continued					
42.0	2.30	Gravel	20.0	4.50	Gravel
44.0	2.00	Gravel	22.0	4.70	Sand and gravel
46.0	1.70	Gravel	24.0	4.85	Gravel
48.0	1.32	Gravel	26.0	4.95	Gravel
50.0	0.87	Gravel	28.0	5.10	Gravel
52.0	0.52	Sand and gravel	30.0	5.10	Gravel
53.0	0.16	Right edge water	32.0	5.04	Gravel
[Date: June 14, 1975; time: 1205; gage height: 3.20 ft]					
--Continued					
0.0	0.60	Flood plain	34.0	4.90	Gravel
2.0	0.65	Flood plain	36.0	4.70	Gravel
4.0	1.05	Flood plain	38.0	4.50	Gravel
6.0	1.65	Bank	40.0	4.30	Gravel
8.0	2.10	Bank	42.0	4.05	Gravel
10.0	4.05	Sand	44.0	3.85	Gravel
12.0	4.00	Sand	46.0	3.65	Gravel
14.0	4.20	Sand	48.0	3.35	Gravel
16.0	4.40	Sand	50.0	3.00	Gravel
18.0	4.50	Gravel	52.0	2.50	Gravel
			53.0	2.14	Right edge water

Table 8.--Cross-section measurements, East Fork River, section B-5E--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 0905; gage height: 3.05 ft]					
0.0	0.00	Flood plain	--Continued		
2.0	0.35	Flood plain	36.0	4.50	Gravel
4.0	0.80	Flood plain	38.0	4.35	Gravel
6.0	1.35	Bank	40.0	4.12	Gravel
8.0	1.90	Bank	42.0	3.95	Gravel
10.0	3.70	Sand	44.0	3.70	Gravel
12.0	3.90	Sand	46.0	3.50	Gravel
14.0	4.10	Gravel	48.0	3.15	Gravel
16.0	4.15	Gravel	50.0	2.95	Gravel
18.0	4.20	Gravel	52.0	2.30	Gravel
20.0	4.35	Gravel	53.0	2.00	Right edge water
22.0	4.55	Gravel			
24.0	4.65	Gravel			
26.0	4.75	Gravel			
28.0	4.85	Gravel			
30.0	4.90	Gravel			
32.0	4.80	Gravel			
34.0	4.80	Gravel			

[Date: June 17, 1975; time: 0905; gage height: 3.05 ft]



Table 9.--Cross-section measurements, East Fork River, section B-5M

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1256-1300; gage height: 0.27 ft] [Date: June 2, 1975; time: 1513-1515; gage height: 0.99 ft]					
4.6	0.00	Left edge water	--Continued		
5.0	0.60	Fine silt and muck	12.0	1.40	Silt and sand
6.0	0.86	Fine silt and muck	14.0	1.59	Sand and silt
8.0	0.80	Fine silt and muck	16.0	1.52	Sand and silt
10.0	0.74	Fine silt and muck	18.0	1.50	Sand and silt
12.0	0.75	Fine silt and muck	20.0	1.48	Sand and silt
14.0	1.02	Fine silt and muck	22.0	1.58	Sand and silt
16.0	0.80	Fine silt and muck	24.0	1.42	Silt
18.0	0.78	Coarse sand and fine gravel	26.0	1.03	Silt
20.0	0.75	Coarse sand and fine gravel	27.0	0.00	Right edge water
22.0	0.82	Coarse sand and fine gravel	[Date: June 4, 1975; time: 1150-1153; gage height: 1.87 ft]		
24.0	0.80	Fine silt and sand	4.0	0.06	Left edge water
26.0	0.25	Fine silt and sand	5.0	2.77	Silt and sand
26.4	0.00	Right edge water	6.0	2.50	Silt and sand
[Date: June 2, 1975; time: 1513-1515; gage height: 0.99 ft]					
5.0	1.40	Silt and sand	8.0	2.37	Sand
6.0	1.59	Silt and sand	10.0	2.30	Mucky sand
8.0	1.50	Silt and sand	12.0	2.23	Silt and sand
10.0	1.42	Silt and sand	14.0	2.44	Soft silt and muck
			16.0	2.42	Sand

Table 9.--Cross-section measurements, East Fork River, section B-5M--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1150-1153; gage height: 1.87 ft] [Date: June 6, 1975; time: 1038; gage height: 3.30 ft]					
--Continued					
18.0	2.37	Sand	16.0	3.94	Very soft bed material
20.0	2.34	Sand	18.0	3.82	Sand
22.0	2.43	Sand	20.0	3.77	Sand
24.0	2.32	Sand	22.0	3.84	Sand
26.0	1.82	Bank	24.0	3.70	Sand
27.0	0.30	Right edge water	26.0	3.40	Soft bank material
[Date: June 6, 1975; time: 1038; gage height: 3.30 ft]					
----	----	60-70 ft backwater over flood plain	28.0	1.24	Grassy bank
		to left of measured section	30.0	1.00	Grassy bank
0.0	0.84	Flood plain	32.0	0.74	Grassy bank
2.0	0.75	Flood plain	34.0	0.35	Grassy bank
4.0	1.30	Bank	36.0	0.00	Right edge water
5.0	3.12	Bank edge	[Date: June 7, 1975; time: 1045; gage height: 3.92 ft]		
6.0	4.00	-----	----	----	Backwater to left of measured section
8.0	3.85	Sand	0.0	1.16	Flood plain
10.0	3.80	Sand	2.0	1.17	Flood plain
12.0	3.72	Sand	4.0	1.80	Bank
14.0	3.93	Very soft bed material	5.0	4.05	Bank

Table 9.--Cross-section measurements, East Fork River, section B-5M--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1045; gage height: 3.92 ft] [Date: June 9, 1975; time: 1210; gage height: 3.44 ft]					
--Continued					
6.0	4.26	Soft bed; silt and sand	0.0	1.10	Flood plain
8.0	4.20	Soft bed; silt and sand	2.0	1.05	Flood plain
10.0	4.25	Soft bed; silt and sand	4.0	1.65	Bank
12.0	4.12	Soft bed	5.0	3.45	Bank
14.0	4.42	Soft bed	6.0	4.25	Soft bed material
16.0	4.22	Sand	8.0	4.25	Soft bed material
18.0	4.16	Sand	10.0	4.05	Soft bed material
20.0	4.10	Sand	12.0	4.00	Soft bed material
22.0	4.10	Sand	14.0	4.30	Soft bed material
24.0	4.24	Sand	16.0	4.15	Soft bed material
26.0	3.45	Near bank	18.0	4.20	Coarse, soft sand
27.0	1.68	Grassy bank	20.0	4.10	Sand
28.0	1.50	Grassy bank	22.0	4.15	Sand
30.0	1.32	Grassy bank	24.0	4.05	Soft bed material
32.0	1.08	Grassy bank	26.0	3.50	Soft bed material
34.0	0.70	Grassy bank	27.0	2.30	Bank edge
38.0	0.00	Right edge water	23.0	1.55	Grassy bank

Table 9.--Cross-section measurements, East Fork River, section B-5M--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1210; gage height: 3.44 ft]					
--Continued					
30.0	1.30	Flood plain	24.0	3.00	Sand
32.0	1.10	Flood plain	26.0	2.55	Sand
37.4	0.00	Right edge water	27.0	0.60	Grassy bank
[Date: June 10, 1975; time: 1315; gage height: 2.56 ft]					
0.0	0.05	Flood plain	28.0	0.45	Grassy bank
2.0	0.01	Flood plain	30.0	0.20	Grassy bank
3.0	0.15	Flood plain	32.5	0.00	Right edge water
4.0	0.75	Weeds; bank	[Date: June 12, 1975; time: 1300; gage height: 1.83 ft]		
5.0	2.55	Muck	4.0	0.00	Left edge water
6.0	3.10	Sand	5.0	2.10	Bank; sand
8.0	3.05	Sand	6.0	2.45	Sand
10.0	3.20	Soft sand	8.0	2.32	Sand
12.0	3.00	Sand	10.0	2.34	Sand
14.0	3.15	Sand	12.0	2.34	Sand
16.0	3.20	Sand	14.0	2.44	Sand
18.0	3.05	Sand	16.0	2.50	Sand
20.0	3.05	Sand	18.0	2.34	Sand
22.0	3.10	Sand	20.0	2.30	Sand
			22.0	2.41	Sand

Table 9.--Cross-section measurements, East Fork River, section B-5M--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1300; gage height: 1.83 ft]					
--Continued					
24.0	2.50	Sand	28.0	1.50	Grassy bank
26.0	1.50	Sand	30.0	1.36	Grassy Bank
27.0	0.90	Right edge water	32.0	1.15	Grassy Bank
[Date: June 14, 1975; time: 1208; gage height: 3.67 ft]					
0.0	1.22	Flood plain	38.5	0.00	Right edge water
2.0	1.13	Flood plain	[Date: June 17, 1975; time: 0908; gage height: 3.46 ft]		
4.0	1.70	Bank	----	----	Backwater effects from East Fork
6.0	4.31	Sand	River; flow to left of measured section		
8.0	4.21	Sand	0.0	1.00	Flood plain
10.0	4.30	Sand	2.0	1.00	Flood plain
12.0	4.45	Sand	4.0	1.50	Bank
14.0	4.35	Sand	6.0	4.05	Sand
16.0	4.24	Sand	8.0	4.00	Sand
18.0	4.20	Sand and fine gravel	10.0	3.95	Sand
20.0	4.12	Sand and fine gravel	12.0	3.85	Sand
22.0	4.23	Sand and fine gravel	14.0	3.95	Sand
24.0	4.21	Sand and fine gravel	16.0	4.00	Sand
26.0	3.55	Sand and fine gravel	18.0	4.00	Sand

Table 9.---Cross-section measurements, East Fork River, section B-5M--Continued

Station	Depth	Remarks	Station	Depth	Remarks
(ft)	(ft)		(ft)	(ft)	
[Date: June 17, 1975; time: 0908; gage height: 3.46 ft]					
--Continued					
20.0	3.93	Sand			
22.0	3.96	Sand			
24.0	4.05	Sand			
26.0	3.80	Sand			
28.0	1.40	Grassy bank			
30.0	1.24	Grassy bank			
32.0	1.00	Grassy bank			
34.0	0.55	Grassy bank			
37.0	0.00	Left edge water			

Table 10.--Cross-section measurements, East Fork River, section B-6

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1306-1310; gage height: 0.08 ft] [Date: May 29, 1975; time: 1306-1310; gage height: 0.08 ft]					
5.0	0.00	Left edge water	--Continued		
6.0	0.95	-----	42.0	1.02	Medium gravel
8.0	0.78	Fine-medium gravel	44.0	0.62	Medium gravel
10.0	0.63	Fine-medium gravel	46.0	0.50	Medium gravel
12.0	0.52	Fine-medium gravel	48.0	0.40	Medium gravel
14.0	0.50	Fine-medium gravel	50.0	0.35	Medium gravel
16.0	0.52	Fine-medium gravel	52.0	0.30	Medium gravel
18.0	0.66	Fine-medium gravel	54.0	0.22	Medium gravel
20.0	0.94	Fine-medium gravel	56.0	0.00	Right edge water
22.0	1.24	Medium-coarse gravel	[Date: June 2, 1975; time: 1519-1523; gage height: 0.75 ft]		
24.0	1.65	Medium-coarse gravel	5.0	0.49	Silt over gravel
26.0	1.86	Medium-coarse gravel	6.0	1.71	Silt over gravel
28.0	1.46	Medium-coarse gravel	8.0	1.52	Fine-medium gravel
30.0	1.44	Medium-coarse gravel	10.0	1.36	Fine-medium gravel
32.0	1.44	Medium-coarse gravel	12.0	1.27	Fine-medium gravel
34.0	1.14	Medium-coarse gravel	14.0	1.20	Fine-medium gravel
35.0	1.06	Medium-coarse gravel	16.0	1.25	Fine-medium gravel
38.0	1.00	Medium-coarse gravel	18.0	1.42	Fine-medium gravel
40.0	1.10	Medium-coarse gravel			

Table 10.--Cross-section measurements, East Fork River, section B-6--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1529-1533; gage height: 0.75 ft] [Date: June 2, 1975; time: 1519-1523; gage height: 0.75 ft]					
--Continued					
20.0	1.63	Fine-medium gravel	56.0	0.80	Fine-medium gravel
22.0	2.04	Fine-medium gravel	58.0	0.36	-----
24.0	2.43	Fine-medium gravel	59.0	0.00	Right edge water
26.0	2.62	Fine-medium gravel	[Date: June 4, 1975; time: 1205; gage height: 1.60 ft]		
28.0	2.28	Fine-medium gravel	3.0	0.00	Left edge water
30.0	2.18	Fine-medium gravel	4.0	0.94	Bank
32.0	2.20	Fine-medium gravel	6.0	2.30	Sand
34.0	1.90	Fine-medium gravel	8.0	2.40	Gravel
36.0	1.84	Fine-medium gravel	10.0	2.22	Gravel
38.0	1.22	Fine-medium gravel	12.0	2.10	Gravel
40.0	1.40	Fine-medium gravel	14.0	2.10	Gravel
42.0	1.85	Fine-medium gravel	16.0	2.10	Gravel
44.0	1.50	Fine-medium gravel	18.0	2.14	Gravel
46.0	1.18	Fine-medium gravel	20.0	2.35	Gravel
48.0	1.13	Fine-medium gravel	22.0	2.65	Gravel
50.0	1.10	Fine-medium gravel	24.0	3.04	Gravel
52.0	1.08	Fine-medium gravel	26.0	3.30	Gravel
54.0	0.96	Fine-medium gravel			



Table 10.--Cross-section measurements, East Fork River, section B-6--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1205; gage height: 1.60 ft] [Date: June 6, 1975; time: 1130; gage height: 2.96 ft]					
--Continued					
28.0	3.40	Gravel	-2.0	0.00	Left edge water, colluvium
30.0	3.15	Gravel	0.0	0.50	Colluvium from high terrace
32.0	3.06	Gravel	2.0	1.10	Flood plain
34.0	2.80	Sand	4.0	3.14	Bank edge
36.0	2.60	Gravel	6.0	3.90	Gravel
38.0	2.67	Gravel	8.0	3.84	Gravel
40.0	2.64	Gravel	10.0	3.65	Gravel
42.0	2.52	Gravel	12.0	3.50	Gravel
44.0	2.26	Gravel	14.0	3.45	Gravel
46.0	2.20	Gravel	16.0	3.48	Gravel
48.0	2.04	Gravel	18.0	3.52	Gravel
50.0	2.00	Gravel	20.0	3.80	Gravel
52.0	1.80	Gravel	22.0	4.06	Gravel
54.0	1.66	Gravel	24.0	4.30	Gravel
56.0	1.36	Gravel	26.0	4.70	Gravel
58.0	1.05	Grass	28.0	4.82	Gravel
60.0	0.50	Bank	30.0	4.52	Gravel
62.0	0.00	Right edge water	32.0	4.50	Gravel
			34.0	4.25	Gravel

Table 10.--Cross-section measurements, East Fork River, section B-6--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1130; gage height: 2.96 ft]					
36.0	4.04	Gravel	--Continued		
38.0	3.98	Gravel	[Date: June 6, 1975; time: 1130; gage height: 2.96 ft]		
40.0	4.06	Gravel	----	----	Flow to right of measured section 20 ft width; 0.3 ft depth; 1 ft <sup>3</sup> /s
42.0	3.94	Gravel	[Date: June 7, 1975; time: 1100; gage height: 3.45 ft]		
44.0	3.68	Gravel	-4.0	0.00	Left edge water
46.0	3.70	Gravel	0.0	0.82	Colluvium
48.0	3.45	Gravel	2.0	1.35	Flood plain
50.0	3.24	Gravel	4.0	3.10	Bank
52.0	3.20	Gravel	6.0	4.24	Fine gravel
54.0	2.92	Gravel	8.0	4.20	Gravel
56.0	2.40	Fine gravel	10.0	4.00	Gravel
58.0	2.40	Fine gravel	12.0	3.88	Gravel
60.0	1.83	Bank	14.0	3.90	Gravel
62.0	1.20	Bank	16.0	3.90	Gravel
64.0	0.30	Flood plain	18.0	3.97	Gravel
66.0	0.22	Flood plain	20.0	4.25	Gravel
68.0	0.20	Flood plain	22.0	4.06	Gravel
68.5	0.30	Flood plain	24.0	4.70	Gravel

Table 10.--Cross-section measurements, East Fork River, section B-6--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1100; gage height: 3.45 ft]					
--Continued					
26.0	5.15	Gravel	62.0	1.50	Sand moving along bed
28.0	5.15	Gravel	64.0	0.70	Flood plain
30.0	4.90	Gravel	66.0	0.55	Flood plain
32.0	4.82	Gravel	69.0	0.60	Flood plain
34.0	4.60	Gravel	----	----	Considerable flow on flood plain to
36.0	4.35	Gravel			right of measured section
38.0	4.37	Gravel			
40.0	4.40	Gravel			
42.0	4.26	Gravel			
44.0	4.06	Gravel			
46.0	3.95	Gravel			
48.0	3.84	Gravel			
50.0	3.62	Gravel			
52.0	3.55	Gravel			
54.0	3.43	Gravel			
56.0	3.04	Gravel			
58.0	2.92	Sand			
60.0	2.20	Bank			
[Date: June 10, 1975; time: 1334; gage height: 2.20 ft]					
			1.0	0.00	Left edge water
			2.0	0.35	Flood plain
			3.0	1.00	Sand and grass
			4.0	1.70	Soft sand
			6.0	3.10	Coarse sand
			8.0	3.05	Coarse sand
			10.0	2.80	Gravel
			12.0	2.75	Hard-packed gravel
			14.0	2.70	Gravel
			16.0	2.70	Gravel
			18.0	2.80	Gravel

Table 10.--Cross-section measurements, East Fork River, section B-6--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1334; gage height: 2.20 ft]					
--Continued					
20.0	3.20	Gravel	56.0	2.30	Gravel
22.0	3.45	Gravel	58.0	1.70	Grass and sand
24.0	3.80	Fine-medium gravel	60.0	1.00	Grass and sand
26.0	4.05	Gravel	62.0	0.20	Grass and sand
28.0	3.90	Gravel	63.0	0.00	Right edge water
30.0	3.75	Gravel			
32.0	3.65	Gravel and sand			
34.0	3.40	Sand			
36.0	3.30	Gravel and sand	3.0	0.00	Left edge water
38.0	3.30	Gravel	4.0	1.10	Sand
40.0	3.35	Gravel	6.0	2.38	Fine gravel
42.0	3.30	Gravel	8.0	2.30	Gravel
44.0	3.10	Gravel	10.0	2.10	Gravel
46.0	2.80	Gravel	12.0	2.04	Gravel
48.0	2.75	Gravel	14.0	2.00	Gravel
50.0	2.60	Gravel	16.0	2.00	Gravel
52.0	2.50	Gravel	18.0	2.04	Gravel
54.0	2.35	Gravel	20.0	2.30	Gravel
			22.0	2.60	Gravel
[Date: June 12, 1975; time: 1330; gage height: 1.54 ft]					

Table 10.--Cross-section measurements, East Fork River, section B-6--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1330; gage height: 1.54 ft]					
--Continued					
24.0	2.72	Gravel	60.0	0.40	Bank
26.0	3.10	Gravel	61.0	0.00	Right edge water
28.0	3.30	Gravel	[Date: June 14, 1975; time: 1230; gage height: 3.35 ft]		
30.0	3.06	Gravel	-5.0	0.00	Left edge water
32.0	3.00	Gravel	0.0	0.88	Colluvium
34.0	2.80	Gravel	2.0	1.60	Flood plain
36.0	2.50	Gravel	4.0	3.00	Sand
38.0	2.50	Gravel	6.0	4.38	Gravel
40.0	2.56	Gravel	8.0	4.16	Gravel
42.0	2.40	Gravel	10.0	4.00	Gravel
44.0	2.20	Gravel	12.0	3.90	Gravel
46.0	2.10	Gravel	14.0	3.90	Gravel
48.0	2.04	Gravel	16.0	3.95	Gravel
50.0	1.90	Gravel	18.0	4.00	Gravel
52.0	1.80	Gravel	20.0	4.20	Gravel
54.0	1.60	Gravel	22.0	4.12	Gravel
56.0	1.25	Gravel	24.0	4.70	Gravel
58.0	1.00	Bank	26.0	5.20	Gravel

Table 10.--Cross-section measurements, East Fork River, section B-6--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1230; gage height: 3.35 ft]					
--Continued					
28.0	5.10	Gravel	64.0	0.70	Flood plain
30.0	4.90	Gravel	66.0	0.60	Flood plain
32.0	4.80	Sand	68.0	0.62	Flood plain
34.0	4.54	Gravel			
36.0	4.40	Sand			
38.0	4.42	Gravel			
40.0	4.45	Sand and gravel			
42.0	4.20	Sand and gravel			
44.0	4.10	Gravel			
46.0	4.10	Gravel			
48.0	3.90	Gravel			
50.0	3.70	Gravel			
52.0	3.60	Gravel			
54.0	3.35	Gravel			
56.0	3.06	Gravel			
58.0	2.75	Sand			
60.0	2.25	Sand			
62.0	1.34	Flood plain			
[Date: June 17, 1975; time: 0213; gage height: 3.15 ft]					
--Continued					
			-3.5	0.00	Left edge water
			0.0	0.80	Colluvium
			2.0	1.32	Flood plain
			4.0	2.75	Bank
			6.0	4.15	Gravel
			8.0	4.00	Gravel
			10.0	3.80	Gravel
			12.0	3.70	Gravel
			14.0	3.70	Gravel
			16.0	3.70	Gravel
			18.0	3.82	Gravel
			20.0	4.02	Gravel
			22.0	4.30	Gravel

Table 10.--Cross-section measurements, East Fork River, section B-6--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 0918; gage height: 3.15 ft]					
--Continued					
24.0	4.70	Gravel	60.0	1.90	Sand
26.0	5.00	Gravel	62.0	1.10	Flood plain
28.0	4.95	Gravel	64.0	0.45	Flood plain
30.0	4.70	Gravel	66.0	0.40	Flood plain
32.0	4.60	Sand and gravel	68.0	0.40	Flood plain
34.0	4.50	Gravel			
36.0	4.30	Gravel			
38.0	4.25	Gravel			
40.0	4.30	Gravel			
42.0	4.05	Gravel			
44.0	3.95	Gravel			
46.0	3.75	Gravel			
48.0	3.60	Gravel			
50.0	3.50	Gravel			
52.0	3.40	Gravel			
54.0	3.35	Gravel			
56.0	2.90	Sand			
58.0	2.55	Sand			

[Date: June 17, 1975; time: 0918; gage height: 3.15 ft]

--Continued

Table 11.--Cross-section measurements, East Fork River, section B-7

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1340-1345; gage height: 0.08 ft]					
14.0	0.00	Left edge water	50.0	0.38	Coarse sand and fine gravel
16.0	1.14	Fine silt	52.0	0.35	Coarse sand and fine gravel
18.0	1.65	Sand over gravel	54.0	0.55	Coarse sand and fine gravel
20.0	1.16	Sand ripples over gravel	56.0	0.55	Coarse sand and fine gravel
22.0	1.58	Sand ripples over gravel	58.0	0.62	Coarse sand and fine gravel
24.0	1.56	Sand ripples over gravel	60.0	0.90	Coarse sand and fine gravel
26.0	1.54	Coarse sand and fine gravel	62.0	0.90	Fine gravel
28.0	1.60	Coarse sand and fine gravel	64.0	0.12	Right edge water
30.0	1.55	Dune trough	[Date: June 2, 1975; time: 1533-1537; gage height: 1.03 ft]		
32.0	1.35	Sand	11.0	0.00	Left edge water
34.0	1.24	Edge of sand over gravel	12.0	0.15	Silt and muck
36.0	1.02	Fine gravel	14.0	1.08	Silt and muck
38.0	0.82	Coarse sand and fine gravel	16.0	2.12	Silt and muck
40.0	0.60	Coarse sand and fine gravel	18.0	2.68	Silt and muck
42.0	0.44	Coarse sand and fine gravel	20.0	2.68	Sand and silt
44.0	0.30	Coarse sand and fine gravel	22.0	2.69	Sand and silt
46.0	0.25	Coarse sand and fine gravel	24.0	2.62	Sand and silt
48.0	0.30	Coarse sand and fine gravel			



Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1532-1537; gage height: 1.02 ft]					
--Continued					
26.0	2.52	Sand and silt	62.0	1.80	Sand
28.0	2.32	Sand and silt	64.0	1.63	Sand
30.0	2.21	Sand and silt	66.0	0.42	Right edge water
32.0	2.32	Sand			
34.0	2.28	Sand			
36.0	2.02	Sand			
38.0	1.83	Sand			
40.0	1.61	Sand			
42.0	1.42	Sand			
44.0	1.45	Sand			
46.0	1.33	Sand			
48.0	1.30	Sand			
50.0	1.30	Sand			
52.0	1.34	Sand			
54.0	1.48	Sand			
56.0	1.62	Sand			
58.0	1.65	Sand			
60.0	1.83	Sand			
[Date: June 4, 1975; time: 1240; gage height: 2.01 ft]					
			7.0	0.00	Left edge water
			8.0	0.20	Bank
			10.0	0.65	Bank
			12.0	1.34	Bank
			14.0	1.95	Sand
			16.0	3.38	Sand
			18.0	3.70	Sand
			20.0	3.80	Sand
			22.0	4.00	Sand
			24.0	3.96	Sand
			26.0	4.15	Sand
			28.0	3.78	Sand
			30.0	3.05	Soft sand

Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1240; gage height: 2.01 ft]					
--Continued					
32.0	3.10	Sand, dune crest about 0.4 ft high	66.2	0.00	Right edge water
34.0	3.00	Sand			
36.0	3.31	Sand			
38.0	3.30	Sand			
40.0	3.20	Sand			
42.0	3.20	Sand			
44.0	2.90	Sand			
46.0	3.02	Sand			
48.0	3.38	Sand, some fine gravel			
50.0	3.20	Fine gravel			
52.0	3.14	Fine gravel			
54.0	2.96	Sand			
56.0	2.88	Sand and fine gravel			
58.0	2.74	Sand and fine gravel			
60.0	2.70	Sand			
62.0	2.85	Sand and fine gravel			
64.0	2.30	Bank material			
66.0	1.55	Bank			
[Date: June 6, 1975; time: 1145; gage height: 3.34 ft]					
			5.0	0.00	Left edge water
			6.0	1.05	Bank
			8.0	1.60	Bank
			10.0	2.10	Bank
			12.0	2.65	Bank
			14.0	2.50	Bank
			16.0	4.75	Bank material
			18.0	5.24	-----
			20.0	5.24	Sand
			22.0	5.50	Sand
			24.0	5.33	Sand and gravel
			26.0	5.30	Sand
			28.0	5.15	Sand
			30.0	5.00	Sand
			32.0	5.40	Sand

Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1145; gage height: 3.34 ft]					
--Continued					
34.0	5.25	Sand in dunes	70.0	0.65	Flood plain
36.0	4.70	Sand in dunes	72.0	0.42	Flood plain
38.0	4.50	Sand in dunes (crest about 0.5 ft high)	74.0	0.20	Flood plain
40.0	4.65	Sand	75.0	0.15	Flood plain
42.0	4.65	Sand			
44.0	4.70	Sand			
46.0	4.54	Sand			
48.0	4.70	Sand			
50.0	4.70	Sand			
52.0	4.50	Gravel			
54.0	4.40	Gravel			
56.0	4.20	Fine gravel			
58.0	4.16	Fine gravel			
60.0	4.20	Fine gravel			
62.0	4.20	Sand			
64.0	3.25	Sand			
66.0	2.55	Bank edge			
68.0	0.73	Grass			
[Date: June 7, 1975; time: 1200; gage height: 3.74 ft]					
			0.0	0.20	Flood plain
			2.0	0.20	Flood plain
			4.0	0.32	Flood plain
			6.0	1.46	Bank
			8.0	2.03	Bank
			10.0	2.50	Bank
			12.0	3.05	Bank material
			14.0	3.80	Bank material
			16.0	5.12	-----
			18.0	5.60	Sand
			20.0	6.00	Sand
			22.0	5.66	Sand

Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1200; gage height: 3.74 ft]					
--Continued					
24.0	5.45	Sand	60.0	4.55	Sand
26.0	5.45	Sand	62.0	4.60	Sand
28.0	5.60	Sand	64.0	4.70	Sand
30.0	5.30	Sand	66.0	3.20	Sand
32.0	5.20	Sand	67.0	1.25	Bank
34.0	5.32	Sand	68.0	1.14	Flood plain
36.0	5.24	Sand	70.0	1.08	Flood plain
38.0	5.25	Sand	72.0	0.70	Flood plain
40.0	5.15	Sand	74.0	0.60	Flood plain
42.0	5.20	Sand	-----	-----	Considerable flow on flood plain to right of measured section
44.0	5.18	Sand			
46.0	5.10	Sand			
48.0	4.98	Sand			
50.0	4.90	Fine gravel	0.0	0.10	Flood plain
52.0	4.80	Fine gravel	2.0	0.05	Flood plain
54.0	4.74	Fine gravel	4.0	0.20	Flood plain
56.0	4.60	Sand	5.0	1.10	Bank
58.0	4.60	Sand	6.0	1.45	Bank
[Date: June 9, 1975; time: 1330; gage height: 3.66 ft]					

Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1330; gage height: 3.66 ft] [Date: June 9, 1975; time: 1330; gage height: 3.66 ft]					
--Continued					
8.0	1.95	Bank	42.0	5.00	Coarse sand
10.0	2.30	Bank	44.0	5.00	Coarse sand
12.0	3.05	Bank material	46.0	5.00	Coarse sand
14.0	3.90	Bank material	48.0	5.00	Gravel
15.0	4.50	Bank material	50.0	4.85	Gravel
16.0	5.10	Bank material	52.0	4.70	Gravel
18.0	5.60	Sand	54.0	4.75	Gravel
20.0	5.80	Fine sand	56.0	4.60	Gravel
22.0	6.00	Fine sand	58.0	4.60	Gravel
24.0	5.85	Fine sand	60.0	4.60	-----
26.0	5.60	Fine sand	62.0	4.60	-----
28.0	5.40	Fine sand	64.0	4.50	-----
30.0	5.20	Fine sand	65.0	3.50	-----
32.0	5.00	Fine sand	66.0	1.55	-----
34.0	5.00	Fine sand	68.0	1.00	Flood plain
36.0	4.90	Medium sand	70.0	0.92	Flood plain
38.0	4.70	Medium sand	72.0	0.65	Flood plain
40.0	4.90	Coarse sand			

Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1330; gage height: 3.66 ft]					
--Continued					
-----	-----	Considerable flow on flood plain to right of measured section	[Date: June 10, 1975; time: 1400; gage height: 2.68 ft]		
5.0	0.05	Left edge water	34.0	4.10	Coarse sand
6.0	0.30	Silt	36.0	4.00	Coarse sand
8.0	0.85	Fine sand	38.0	4.00	Coarse sand
10.0	1.20	Fine sand	40.0	4.00	Coarse sand
12.0	1.75	Fine sand	42.0	4.00	Coarse sand
14.0	2.60	Fine sand	44.0	4.00	Coarse sand
16.0	3.70	Fine sand	46.0	4.00	Hard-packed coarse sand
18.0	4.50	Fine sand	48.0	3.95	Coarse sand
20.0	4.65	Fine sand	50.0	3.85	Gravel
22.0	4.70	Fine sand	52.0	3.70	Hard gravel
24.0	4.70	Sand	54.0	3.60	Gravel
26.0	4.65	Soft sand	56.0	3.55	Fine gravel
28.0	4.35	Soft sand	58.0	3.50	Gravel and sand
30.0	4.25	Sand	60.0	3.50	Coarse sand
32.0	4.35	Sand	62.0	3.50	Sand
			64.0	3.35	Sand
			66.0	2.10	Sand
			67.0	0.20	Grass

Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1400; gage height: 2.68 ft]					
--Continued					
68.0	0.00	Right edge water	40.0	3.30	Sand
			42.0	3.20	Sand and gravel
			44.0	3.10	Gravel
			46.0	3.15	Gravel
			48.0	3.10	Gravel
			50.0	3.00	Gravel
			52.0	3.00	Gravel
			54.0	2.85	Gravel
			56.0	2.80	Gravel
			58.0	2.80	Gravel
			60.0	2.80	Sand and gravel
			62.0	2.70	Sand
			64.0	2.62	Sand
			66.0	1.50	Right edge water
[Date: June 12, 1975; time: 1425; gage height: 1.93 ft]					
8.0	0.00	Left edge water			
10.0	0.40	Sand			
12.0	1.10	Sand			
14.0	1.98	Sand			
16.0	2.84	Sand			
18.0	3.65	Sand			
20.0	4.00	Sand			
22.0	4.00	Sand			
24.0	3.90	Sand			
26.0	3.90	Sand			
28.0	3.80	Sand			
30.0	3.70	Sand			
32.0	3.55	Sand			
34.0	3.30	Sand	0.0	0.40	Flood plain
36.0	3.30	Sand	2.0	0.40	Flood plain
38.0	3.35	Sand	4.0	0.50	Flood plain
[Date: June 14, 1975; time: 1410; gage height: 3.78 ft]					

Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1410; gage height: 3.76 ft] [Date: June 14, 1975; time: 1410; gage height: 3.78 ft]					
--Continued			--Continued		
6.0	1.50	Bank	42.0	5.75	Gravel
8.0	1.20	Sand	44.0	5.80	Gravel
10.0	2.20	Sand	46.0	5.50	Gravel
12.0	2.80	Sand	48.0	5.30	Gravel
14.0	3.76	Sand	50.0	5.25	Gravel
16.0	4.75	Sand	52.0	5.00	Gravel
18.0	5.60	Sand	54.0	4.90	Gravel
20.0	5.92	Sand	56.0	4.90	Gravel
22.0	6.03	Sand	58.0	4.75	Gravel
24.0	6.10	Sand	60.0	4.70	Gravel
26.0	6.20	Sand	62.0	4.65	Gravel
28.0	5.80	Sand	64.0	4.78	Sand
30.0	5.80	Sand	66.0	2.88	Sand
32.0	5.55	Sand	68.0	1.10	Bank
34.0	5.50	Sand	70.0	1.00	Flood plain
36.0	5.60	Sand and gravel	72.0	0.83	Flood plain
38.0	5.70	Sand	74.0	0.62	Flood plain
40.0	5.80	Gravel	75.0	0.57	Flood plain



Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 0933; gage height: 3.55 ft]					
2.0	0.00	Left edge water	[Date: June 17, 1975; time: 0933; gage height: 3.55 ft]		
4.0	0.20	Flood plain	--Continued		
6.0	1.26	Bank	38.0	5.30	Sand
8.0	1.80	Sand	40.0	5.20	Sand
10.0	2.05	Sand	42.0	5.25	Sand
12.0	2.62	Sand	44.0	5.10	Sand
14.0	3.60	Sand	46.0	5.15	Sand
16.0	4.90	Sand	48.0	5.05	Gravel
18.0	5.70	Sand	50.0	4.86	Gravel
20.0	5.80	Sand	52.0	4.70	Gravel
22.0	6.04	Sand	54.0	4.50	Gravel
24.0	5.90	Sand	56.0	4.50	Gravel
26.0	5.85	Sand	58.0	4.65	Gravel
28.0	5.80	Sand	60.0	4.60	Gravel
30.0	5.75	Sand	62.0	4.50	Gravel
32.0	5.70	Sand	64.0	4.30	Sand
34.0	5.55	Sand	66.0	2.50	Bank
36.0	5.30	Sand	68.0	0.92	Flood plain
			70.0	0.85	Flood plain

Table 11.--Cross-section measurements, East Fork River, section B-7--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
-----------------	---------------	---------	-----------------	---------------	---------

[Date: June 17, 1975; time: 0933; gage height: 3.55 ft]

--Continued

72.0	0.48	Flood plain
74.0	0.38	Flood plain
75.0	0.35	Flood plain

Table 12.--Cross-section measurements, East Fork River, section B-8

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1200; gage height: -0.01 ft] [Date: May 29, 1975; time: 1200; gage height: -0.01 ft]					
5.0	0.60	Left edge water	--Continued		
6.0	0.60	Fine silt	38.0	1.02	-----
8.0	0.64	Fine silt	40.0	0.98	-----
10.0	1.24	Fine silt	42.0	0.96	-----
12.0	1.56	Gravel	44.0	0.92	Some silt
14.0	1.75	Gravel	44.4	0.70	Right edge water
16.0	1.73	Sand over medium gravel	[Date: June 2, 1975; time: 1545-1549; gage height: 0.92 ft]		
18.0	1.72	Sand over medium gravel	5.0	0.54	Silt, left edge water
20.0	1.80	Fine-medium gravel	6.0	1.50	Silt, left edge water
22.0	1.78	Fine gravel	8.0	1.60	Silt, left edge water
24.0	1.85	Fine gravel	10.0	2.17	Sand and silt
26.0	1.88	Fine gravel	12.0	2.48	Sand
28.0	1.65	Fine gravel	14.0	2.62	Sand
30.0	1.55	Fine gravel	16.0	2.72	Sand
32.0	1.60	Fine gravel	18.0	2.72	Sand
34.0	1.52	Fine gravel	20.0	2.69	Sand
36.0	1.35	-----	22.0	2.75	Sand

Table 12.--Cross-section measurements, East Fork River, section B-8--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1545-1549; gage height: 0.92 ft] [Date: June 4, 1975; time: 1310; gage height: 1.98 ft]					
--Continued					
24.0	2.71	Sand	8.0	3.00	Sand
26.0	2.67	Sand	10.0	3.40	Gravel
28.0	2.81	Sand	12.0	3.64	Gravel
30.0	2.70	Sand	14.0	3.84	Gravel
32.0	2.52	Sand	16.0	3.90	Gravel
34.0	2.62	Sand	18.0	4.00	Gravel
36.0	2.61	Sand	20.0	4.20	Gravel
38.0	2.33	Sand	22.0	4.25	Gravel
40.0	1.94	Sand	24.0	4.40	Gravel
42.0	1.87	Sand	26.0	4.45	Gravel
44.0	1.70	Sand	28.0	4.30	Sand
44.5	1.50	Sand, right edge water	30.0	4.40	Sand
[Date: June 4, 1975; time: 1310; gage height: 1.98 ft]					
4.0	0.00	Left edge water	32.0	4.20	Sand
5.0	2.80	Soft bank material	34.0	4.05	Sand
6.0	2.70	Soft bank material	36.0	4.00	Sand
			38.0	3.90	Sand
			40.0	3.70	Sand

Table 12.--Cross-section measurements, East Fork River, section B-8--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1310; gage height: 1.98 ft] [Date: June 6, 1975: time: 1220; gage height: 3.20 ft]					
--Continued					
42.0	3.30	Sand	16.0	5.10	Gravel
44.0	3.00	Bank	18.0	5.25	Gravel
46.0	0.50	Bank	20.0	5.40	Gravel
48.0	0.48	Bank	22.0	5.50	Gravel
49.0	0.00	Bank, Right edge water	24.0	5.55	Gravel
[Date: June 6, 1975: time: 1220; gage height: 3.20 ft]					
---	----	Left bank flood plain inundated	26.0	5.65	Gravel
		for 100 yds, back to first	28.0	5.80	Gravel
		terrace	30.0	5.90	Gravel
0.0	0.25	Flood plain	32.0	6.00	Gravel
2.0	0.40	Flood plain	34.0	6.00	Gravel
4.0	1.25	Flood plain	36.0	6.05	Sand
6.0	3.55	Mud	38.0	6.00	Sand
8.0	4.32	Sand	40.0	5.80	Gravel
10.0	4.70	Gravel	42.0	5.25	Sand
12.0	4.90	Gravel	44.0	4.60	Sand
14.0	5.00	Gravel	45.0	2.40	Bank
			46.0	1.90	Bank
			48.0	1.70	Bank

Table 12.--Cross-section measurements, East Fork River, section B-8--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1220; gage height: 3.20 ft]					
--Continued					
50.0	0.94	Flood plain	18.0	5.60	Gravel
52.0	0.50	Flood plain	20.0	5.72	Gravel
53.0	0.54	Flood plain	22.0	5.70	Gravel
----	----	Flow to right of measured section,	24.0	6.00	Gravel
		50 ft wide, 0.5 ft deep, 1 ft/s	26.0	6.10	Gravel
[Date: June 7, 1975; time: 1250; gage height: 3.61 ft]					
--Continued					
-3.0	0.32	Flood plain	28.0	6.22	Gravel
0.0	0.55	Flood plain	30.0	6.25	Gravel
2.0	0.75	Flood plain	32.0	6.40	Gravel
4.0	1.95	Bank	34.0	6.40	Gravel
5.0	3.05	Bank edge	36.0	6.50	Gravel
6.0	4.50	-----	38.0	6.32	Gravel
8.0	4.90	Gravel	40.0	6.03	Gravel
10.0	5.05	Gravel	42.0	5.50	Gravel
12.0	5.25	Gravel	44.0	5.95	Gravel
14.0	5.40	Gravel	45.0	2.50	Bank
16.0	5.52	Gravel	46.0	2.12	Bank
			48.0	2.02	Bank
			50.0	1.30	Flood plain
			53.0	0.88	Flood plain

Table 12.--Cross-section measurements, East Fork River, section B-8--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1415; gage height: 2.52 ft] [Date: June 10, 1975; time: 1415; gage height: 2.52 ft]					
---Continued					
2.5	0.00	Left edge water			
4.0	0.70	Grass	34.0	5.25	Sand
5.0	2.15	Sand and grass	36.0	5.20	Soft sand
6.0	3.20	Sand	38.0	5.20	Sand and rock
8.0	3.80	Hard-packed sand	40.0	4.95	Sand and rock
10.0	4.00	Gravel	42.0	4.50	Sand and gravel
12.0	4.20	Fine-medium gravel	44.0	3.80	Bank edge sand
14.0	4.30	Armored gravel	44.5	1.55	Sand and grass
16.0	4.45	Armored gravel	46.0	1.50	Sand and grass
18.0	4.55	Gravel	48.0	1.05	Sand and grass
20.0	4.65	Gravel	49.5	0.40	Sand and grass
22.0	4.70	Sand	51.3	0.00	Right edge water
24.0	4.70	Sand	----	----	Some water to right of measured section
26.0	4.95	Sand	[Date: June 12, 1975; time: 1435; gage height: 1.88 ft]		
28.0	5.15	Gravel and sand	4.0	0.16	Left edge water
30.0	5.10	Sand	6.0	2.75	Sand
32.0	4.95	Sand	8.0	3.20	Sand

Table 12.--Cross-section measurements, East Fork River, section B-8--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1435; gage height: 1.88 ft] [Date: June 12, 1975; time: 1435; gage height: 1.88 ft]					
--Continued			--Continued		
10.0	3.30	Sand	44.0	2.50	Sand
12.0	3.00	Sand	46.0	0.60	Sand
14.0	3.04	Sand	48.0	0.60	Right edge water
16.0	3.03	Sand			
18.0	3.51	Sand			
20.0	3.50	Sand			
22.0	3.85	Sand			
24.0	3.90	Sand			
26.0	3.80	Sand			
28.0	3.75	Sand			
30.0	4.20	Sand			
32.0	4.00	Sand			
34.0	4.40	Sand			
36.0	4.00	Sand			
38.0	4.50	Gravel			
40.0	4.50	Gravel			
42.0	4.00	Gravel			
[Date: June 14, 1975; time: 1415; gage height: 3.78 ft]					
			----	----	Some flow to left of measured section
			0.0	0.70	Flood plain
			2.0	0.95	Flood plain
			4.0	2.60	Sand
			6.0	4.50	Sand
			8.0	5.10	Gravel
			10.0	5.15	Gravel
			12.0	5.30	Gravel
			14.0	5.40	Gravel
			16.0	5.60	Gravel
			18.0	5.80	Gravel
			20.0	5.80	Gravel
			22.0	6.00	Gravel



Table 12.--Cross-section measurements, East Fork River, section B-8--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1415; gage height: 3.78 ft] [Date: June 17, 1975; time: 0943; gage height: 3.38 ft]					
---Continued					
24.0	6.00	Gravel			
26.0	6.00	Gravel	0.0	0.44	Flood plain
28.0	6.20	Gravel	2.0	0.70	Flood plain
30.0	6.35	Gravel	4.0	3.50	Sand
32.0	6.35	Sand	6.0	4.32	Sand
34.0	6.25	Sand	8.0	4.82	Gravel
36.0	6.60	Sand and gravel	10.0	4.93	Gravel
38.0	6.35	Sand	12.0	5.05	Gravel
40.0	6.10	Gravel	14.0	5.20	Gravel
42.0	5.60	Gravel	16.0	5.30	Gravel
44.0	5.20	Gravel	18.0	5.45	Gravel
46.0	2.25	Bank	20.0	5.50	Gravel
48.0	2.40	Bank	22.0	5.60	Gravel
50.0	1.30	Flood plain	24.0	5.65	Gravel
-----	-----	Some flow to right of measured section	26.0	5.90	Gravel
			28.0	6.00	Gravel

Flow extending to terrace left of measured section

Table 12.--Cross-section measurements, East Fork River, section B-8--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 0943; gage height: 3.38 ft]					
--Continued					
30.0	6.00	Sand			
32.0	6.05	Sand			
34.0	6.00	Sand			
36.0	6.12	Sand			
38.0	6.10	Gravel			
40.0	5.95	Gravel			
42.0	5.30	Gravel			
44.0	4.80	Gravel			
46.0	1.82	Bank			
48.0	1.82	Bank			
50.0	1.25	Flood plain			
52.0	0.70	Flood plain			
----	----	Flow extending to terrace beyond measured section			

Table 13.--Cross-section measurements, East Fork River, section B-9

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1406-1410; gage height: -0.06 ft][Date: May 29, 1975; time: 1406-1410; gage height: -0.06 ft]					
28.0	0.00	Left edge water	---Continued		
30.0	0.21	Medium gravel	66.0	0.42	Fine-medium gravel
32.0	0.45	Medium gravel	68.0	0.16	Fine-medium gravel
34.0	0.70	Medium gravel	70.0	0.00	Right edge water
36.0	1.26	Medium gravel			
38.0	1.58	Medium gravel			
40.0	1.54	Medium gravel			
42.0	1.50	Medium gravel			
44.0	1.55	Fine gravel			
46.0	1.65	Fine gravel			
48.0	1.58	Fine gravel			
50.0	1.60	Fine gravel			
52.0	1.52	Fine-medium gravel			
54.0	1.20	Fine-medium gravel			
56.0	0.98	Fine-medium gravel			
58.0	0.86	Sand over medium gravel			
60.0	0.78	Sand over medium gravel			
62.0	0.44	Fine-medium gravel			
64.0	0.42	Fine-medium gravel			
[Date: June 2, 1975; time: 1554; gage height: 0.84 ft]					
			24.0	0.00	Left edge water, sandy fine gravel
			26.0	0.42	Sand and fine gravel
			28.0	0.79	Sand and fine gravel
			30.0	1.05	Sand and fine gravel
			32.0	1.39	Sand and fine gravel
			34.0	1.73	Sand and fine gravel
			36.0	2.16	Sand and fine gravel
			38.0	2.50	Sand and fine gravel
			40.0	2.48	Sand and fine gravel
			42.0	2.46	Sand and fine gravel
			44.0	2.38	Sand and fine gravel
			46.0	2.65	Sand
			48.0	2.50	Sand
			50.0	2.30	Sand

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1554; gage height: 0.84 ft] [Date: June 4, 1975; time: 1425; gage height: 1.78 ft]					
--Continued					
52.0	2.39	Sand	20.8	0.00	Left edge water
54.0	2.13	Sand	22.0	0.30	Sand and gine gravel
56.0	1.96	Sand	24.0	0.65	Fine gravel
58.0	1.66	Sand	26.0	1.54	Gravel
60.0	1.58	Sand	28.0	2.06	Gravel
62.0	1.43	Sand	30.0	2.04	Gravel
64.0	1.30	Sand	32.0	2.22	Gravel
66.0	1.25	Sand	34.0	2.65	Gravel
68.0	1.11	Sand	36.0	3.00	Gravel
70.0	0.87	Sand	38.0	3.42	Sand over gravel
72.0	0.69	Sand	40.0	3.48	Gravel
74.0	0.56	Sand	42.0	3.30	Sand over gravel
76.0	0.50	Sand	44.0	3.34	Sand over gravel
78.0	0.40	Sand	46.0	3.28	Fine gravel
80.0	0.18	Sand	48.0	3.10	Sand
82.0	0.18	Sand	50.0	2.80	Sand
84.0	0.15	Sand	52.0	2.72	Sand
88.0	0.00	Right edge water	54.0	2.53	Sand
			56.0	2.18	Sand

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1425; gage height: 1.78 ft] [Date: June 4, 1975; time: 1425; gage height: 1.78 ft]					
--Continued			--Continued		
58.0	2.14	Sand	92.0	0.90	Sand
60.0	1.70	Sand	94.0	1.10	Sand
62.0	1.58	Sand	96.0	0.85	Sand
64.0	1.54	Sand	98.0	0.80	Sand
66.0	1.50	Sand	100.0	0.70	Sand
68.0	1.50	Sand	102.0	0.70	Sand
70.0	1.42	Sand	104.0	0.60	Sand
72.0	1.30	Sand	106.0	0.60	Sand
74.0	1.32	Sand	108.0	0.48	Sand
76.0	1.34	Sand	110.0	0.14	Sand
78.0	1.20	Sand	111.0	0.00	Right edge water
[Date: June 6, 1975; time: 1230; gage height: 3.01 ft]					
80.0	1.14	Sand			
82.0	1.26	Sand	17.0	0.00	Left edge water, colluvium
84.0	1.04	Sand	18.0	0.57	Sand, colluvium
86.0	1.00	Sand	20.0	1.12	Sand, colluvium
88.0	0.90	Sand	22.0	1.70	Sand and fine gravel, colluvium
90.0	0.72	Sand	24.0	2.00	Sand and fine gravel, colluvium

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1230; gage height: 3.01 ft][Date: June 6, 1975; time: 1230; gage height: 3.01 ft]					
--Continued			--Continued		
26.0	2.90	Gravel	62.0	2.70	Sand
28.0	3.12	Gravel	64.0	2.82	Sand
30.0	3.20	Gravel	66.0	2.70	Sand
32.0	3.54	Gravel	68.0	2.25	Sand
34.0	3.70	Gravel	70.0	2.10	Sand
36.0	4.10	Gravel	72.0	2.30	Sand
38.0	4.52	Gravel	74.0	2.30	Sand
40.0	4.50	Gravel	76.0	2.25	Sand
42.0	4.62	Gravel	78.0	2.10	Sand
44.0	4.60	Gravel	80.0	2.00	Sand
46.0	4.60	Gravel	82.0	2.14	Sand
48.0	4.52	Gravel	84.0	1.90	Sand
50.0	4.60	Fine gravel	86.0	1.70	Sand
52.0	4.50	Sand	88.0	1.60	Sand
54.0	4.16	Gravel	90.0	1.75	Sand
56.0	3.70	Sand	92.0	2.00	Sand
58.0	3.22	Sand	94.0	1.80	Sand
60.0	3.00	Sand	96.0	2.05	Sand

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1230; gage height: 3.01 ft] [Date: June 6, 1975; time: 1230; gage height: 3.01 ft]					
--Continued					
98.0	1.85	Sand	154.0	0.00	Right edge water
100.0	2.00	Sand			
102.0	1.55	Sand			
104.0	1.84	Sand			
106.0	1.90	Sand			
108.0	1.80	Sand			
110.0	1.66	Sand			
112.0	0.58	Flood plain	16.5	0.00	Left edge water
114.0	0.54	Flood plain	17.0	0.32	Colluvium
116.0	0.74	Flood plain	20.0	1.82	Sand; colluvium
118.0	0.85	Flood plain	22.0	2.07	Sand; colluvium
120.0	0.83	Flood plain	24.0	2.34	Sand; colluvium
122.0	0.54	Flood plain	26.0	3.17	Gravel
124.0	0.73	Flood plain	28.0	3.55	Gravel
125.0	0.63	Flood plain	30.0	3.65	Gravel
128.0	1.00	Flood plain	32.0	3.90	Gravel
140.0	0.75	Flood plain	34.0	4.35	Gravel
150.0	0.40	Flood plain	36.0	4.74	Gravel
			38.0	5.03	Gravel
			40.0	5.06	Gravel
			42.0	5.03	Gravel
			44.0	5.02	Hard bottom; Wasatch formation
			46.0	4.90	Gravel

[Date: June 7, 1975; time: 1300; gage height: 3.36 ft]

--Continued

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1300; gage height: 3.36 ft] [Date: June 7, 1975; time: 1300; gage height: 3.36 ft]					
--Continued					
48.0	5.00	Gravel	84.0	2.00	Sand
50.0	5.04	Gravel	86.0	1.96	Sand
52.0	5.04	Sand and gravel	88.0	2.14	Sand
54.0	4.82	Sand	90.0	1.86	Sand
56.0	4.30	Sand	92.0	1.98	Sand
58.0	3.90	Sand	94.0	1.90	Sand
60.0	3.10	Sand	96.0	1.82	Sand
62.0	2.75	Sand	98.0	1.97	Sand
64.0	2.55	Sand	100.0	1.70	Sand
66.0	2.77	Sand	102.0	1.85	Sand
68.0	2.70	Sand	104.0	2.14	Sand
70.0	2.50	Sand	106.0	1.90	Sand
72.0	2.50	Sand	108.0	2.04	Sand
74.0	2.15	Sand	110.0	1.90	Sand
76.0	1.97	Sand	112.0	0.80	Grass
78.0	1.86	Sand	114.0	0.88	Grass
80.0	2.14	Sand	116.0	1.10	Grass
82.0	2.10	Sand	118.0	1.25	Grass



Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1300; gage height: 3.36 ft]					
--Continued					
120.0	1.13	Grass	40.0	5.25	Gravel
122.0	1.03	Grass	42.0	5.15	Gravel
124.0	0.90	Flood plain	44.0	5.20	Gravel
-----	----	Water on flood plain to right of measured section	46.0	5.30	Gravel
			48.0	5.05	Gravel
			50.0	5.15	Gravel
[Date: June 9, 1975; time: 1355; gage height: 3.32 ft]					
16.3	0.00	Left edge water	52.0	5.00	Coarse sand
17.0	0.42	Colluvium	54.0	4.75	Coarse sand
20.0	1.80	Coarse sand; colluvium	56.0	4.30	Coarse sand and fine gravel
22.0	2.15	Coarse sand; colluvium	58.0	4.20	Sand
24.0	2.45	Coarse sand; colluvium	60.0	4.05	Sand
26.0	3.25	Coarse sand; colluvium	62.0	3.90	Sand
28.0	3.60	Coarse sand; colluvium	64.0	3.35	Sand
30.0	3.70	Gravel	66.0	3.25	Sand
32.0	4.15	Gravel	68.0	3.10	Sand
34.0	4.55	Gravel	70.0	2.95	Soft sand
36.6	5.00	Gravel	72.0	2.80	Soft sand
38.0	5.20	Gravel	74.0	2.50	Soft sand
			76.0	2.55	Soft sand

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1355; gage height: 3.32 ft] [Date: June 9, 1975; time: 1355; gage height: 3.32 ft]					
--Continued			--Continued		
80.0	2.40	Soft medium sand	114.0	0.85	Flood plain
82.0	2.40	Soft sand	116.0	1.03	Flood plain
84.0	2.15	Soft sand	118.0	1.25	Flood plain
86.0	1.90	Soft sand	120.0	1.10	Flood plain
88.0	1.85	Soft sand	122.0	0.95	Flood plain
90.0	1.80	Soft sand			
92.0	2.20	Soft sand			
94.0	2.25	Soft sand			
96.0	2.05	Soft sand			
98.0	1.60	Soft sand			
100.0	1.70	Soft sand			
102.0	1.70	Soft sand			
104.0	1.80	Soft sand			
106.0	1.75	Soft sand			
108.0	1.75	Soft sand			
110.0	1.85	Soft sand			
112.0	0.80	Flood plain			
[Date: June 10, 1975; time: 1428; gage height: 2.41 ft]					
			18.0	0.00	Left edge water
			20.0	0.75	Sand and gravel
			22.0	1.10	Sand and gravel
			24.0	1.60	Gravel
			26.0	2.20	Gravel and sand
			28.0	2.40	Sand
			30.0	2.70	Sand
			32.0	2.95	Sand and gravel
			34.0	3.30	Gravel
			36.0	3.80	Sand and gravel
			38.0	4.00	Sand

Table 13.—Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1428; gage height: 2.41 ft] [Date: June 10, 1975; time: 1428; gage height: 2.41 ft]					
--Continued					
40.0	4.10	Sand and gravel	74.0	2.00	Sand
42.0	4.10	Sand and armoring	76.0	1.50	Sand
44.0	4.10	Sand and armoring	78.0	1.05	Sand
46.0	4.00	Sand	80.0	1.10	Sand
48.0	4.00	Sand and armor	82.0	1.60	Coarse sand
50.0	4.15	Sand and gravel	84.0	1.20	Coarse sand
52.0	3.90	Coarse sand	86.0	1.05	Coarse sand
54.0	3.50	Sand	88.0	0.90	Coarse sand
56.0	3.10	Soft sand	90.0	0.90	Sand
58.0	2.80	Soft sand	92.0	0.90	Sand
60.0	2.60	Soft sand	94.0	0.95	Sand
62.0	2.55	Soft sand	96.0	1.00	Sand in dune
64.0	2.75	Sand	98.0	1.05	Sand in dune
66.0	2.50	Sand	100.0	0.80	Sand
68.0	2.40	Sand	102.0	0.70	Sand
70.0	2.10	Sand	104.0	0.60	Sand
72.0	1.90	Sand	106.0	0.90	Sand
			108.0	0.65	Sand

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1428; gage height: 2.41 ft] [Date: June 12, 1975; time: 1442; gage height: 1.85 ft]					
--Continued					
110.0	0.80	Sand	38.0	3.50	Gravel
111.0	0.30	Sand	40.0	3.60	Gravel
111.5	0.00	Right edge water	42.0	3.45	Gravel
-----	----	Small amount of backwater to right	44.0	3.45	Sand
		of measured section	46.0	3.60	Sand
[Date: June 12, 1975; time: 1442; gage height: 1.85 ft]					
20.0	0.00	Left edge water	48.0	3.35	Sand
20.5	0.15	Sand	50.0	3.00	Sand
22.0	0.45	Sand and gravel	52.0	2.70	Sand
24.0	1.10	Sand and gravel	54.0	2.82	Sand
26.0	1.52	Sand and gravel	56.0	2.70	Sand
28.0	1.75	Gravel	58.0	2.35	Sand
30.0	2.20	Gravel	60.0	2.20	Sand
32.0	2.40	Gravel	62.0	1.95	Sand
34.0	2.70	Gravel	64.0	1.70	Sand
36.0	3.15	Gravel	66.0	1.52	Sand
			68.0	1.70	Sand
			70.0	1.52	Sand

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1442; gage height: 1.85 ft]					
--Continued					
72.0	1.40	Sand	104.0	0.40	Sand
74.0	1.40	Sand	106.0	0.20	Sand
76.0	1.32	Sand	108.0	0.20	Sand
78.0	1.10	Sand	110.0	0.00	Right edge water
80.0	1.10	Sand			
82.0	0.95	Sand			
84.0	0.80	Sand			
86.0	0.72	Sand			
88.0	0.68	Sand			
90.0	0.60	Sand			
92.0	0.60	Sand			
94.0	0.60	Sand			
96.0	0.55	Sand			
98.0	0.50	Sand			
100.0	0.55	Sand			
102.0	0.42	Sand			
[Date: June 14, 1975; time: 1445; gage height: 3.27 ft]					
			15.5	0.00	Left edge water
			16.0	0.45	Sand
			18.0	1.04	Sand
			20.0	1.85	Sand
			22.0	2.20	Sand
			24.0	2.50	Sand
			26.0	3.40	Gravel
			28.0	3.60	Gravel
			30.0	3.99	Gravel
			32.0	3.90	Gravel
			34.0	4.30	Gravel

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1445; gage height: 3.27 ft] [Date: June 14, 1975; time: 1445; gage height: 3.27 ft]					
--Continued			--Continued		
36.0	4.90	Gravel	70.0	2.60	Sand
38.0	5.10	Gravel	72.0	2.80	Sand
40.0	5.10	Gravel	74.0	2.70	Sand
42.0	5.00	Gravel	76.0	2.45	Sand
44.0	5.05	Gravel	78.0	2.35	Sand
46.0	5.00	Gravel	80.0	2.15	Sand
48.0	5.05	Gravel	82.0	2.45	Sand
50.0	5.00	Gravel	84.0	2.40	Sand
52.0	4.90	Sand	86.0	2.22	Sand
54.0	4.35	Sand	88.0	2.10	Sand
56.0	3.90	Sand	90.0	1.70	Sand
58.0	3.70	Sand	92.0	1.70	Sand
60.0	3.50	Sand	94.0	2.00	Sand
62.0	3.10	Sand	96.0	2.20	Sand
64.0	2.85	Sand	98.0	2.14	Sand
66.0	2.40	Sand	100.0	1.95	Sand
68.0	2.50	Sand	102.0	1.80	Sand

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1445; gage height: 3.27 ft] [Date: June 17, 1975; time: 0935; gage height: 3.29 ft]					
--Continued					
104.0	2.12	Sand	26.0	3.12	Sand and gravel
106.0	1.84	Sand	28.0	3.50	Sand and gravel
108.0	1.70	Sand	30.0	3.60	Gravel
110.0	1.80	Sand	32.0	3.75	Gravel
112.0	1.94	Sand	34.0	4.15	Gravel
114.0	1.94	Sand	36.0	4.55	Gravel
116.0	1.15	Sand	38.0	4.90	Gravel
118.0	1.25	Sand	40.0	5.00	Gravel
120.0	1.20	Sand	42.0	4.75	Gravel
122.0	0.95	Sand	44.0	4.90	Hard-bottom (Wasatch formation)
124.0	1.00	Sand	46.0	4.90	Gravel
[Date: June 17, 1975; time: 0935; gage height: 3.29 ft]					
16.0	0.00	Left edge water	48.0	4.90	Gravel
18.0	0.75	Sand	50.0	4.95	Gravel
20.0	1.70	Sand	52.0	4.90	Gravel
22.0	2.00	Sand	54.0	4.85	Gravel
24.0	2.30	Sand	56.0	4.60	Gravel
			58.0	4.40	Gravel
			60.0	4.00	Gravel

Table 13.--Cross-section measurements, East Fork River, section B-9--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 0935; gage height: 3.29 ft] [Date: June 17, 1975; time: 0935; gage height: 3.29 ft]					
--Continued			--Continued		
62.0	3.80	Coarse sand	96.0	1.65	Sand
64.0	3.50	Sand	98.0	1.45	Sand
66.0	3.40	Sand	100.0	1.50	Sand
68.0	3.30	Sand	102.0	1.45	Sand
70.0	3.35	Sand	104.0	1.45	Sand
72.0	3.40	Sand	106.0	1.60	Sand
74.0	2.75	Sand	108.0	1.45	Sand
76.0	2.18	Sand	110.0	1.50	Sand
78.0	2.45	Sand	112.0	0.60	Flood plain
80.0	2.32	Sand	114.0	0.70	Flood plain
82.0	1.72	Sand	116.0	1.00	Flood plain
84.0	1.60	Sand	118.0	1.12	Flood plain
86.0	2.30	Sand	120.0	1.00	Flood plain
88.0	1.95	Sand	122.0	1.10	Flood plain
90.0	1.50	Sand			
92.0	1.55	Sand			
94.0	1.70	Sand			



Table 14.--Cross-section measurements, East Fork River, section B-10

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 27, 1975; time: 1040-1120; gage height: 0.20 ft] [Date: May 27, 1975; time: 1040-1120; gage height: 0.20 ft]					
35.0	0.00	Left edge water	--Continued		
36.0	0.18	-----	68.0	1.80	-----
38.0	0.42	-----	70.0	1.85	-----
40.0	0.60	-----	72.0	1.90	-----
42.0	0.85	-----	74.0	1.90	-----
44.0	1.00	-----	76.0	1.72	-----
46.0	1.10	-----	76.5	1.70	-----
48.0	1.06	-----	76.6	0.00	Right edge water
50.0	1.04	-----	[Date: May 29, 1975; time: 1415-1423; gage height: -0.01 ft]		
52.0	0.90	-----	37.0	0.00	Left edge water
54.0	1.04	-----	38.0	0.22	Sand
56.0	1.22	-----	40.0	0.45	Sand in ripples
58.0	1.38	-----	42.0	0.64	Sand in ripples
60.0	1.56	-----	44.0	0.62	Coarse sand-fine gravel dunes
62.0	1.72	-----	46.0	0.66	Coarse sand-fine gravel dunes
64.0	1.72	-----	48.0	0.90	Coarse sand-fine gravel dunes
66.0	1.84	-----	50.0	0.96	Coarse sand-fine gravel dunes

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1415-1423; gage height: -0.01 ft] [Date: June 2, 1975; time: 1604-1608; gage height: 0.94 ft]					
--Continued					
52.0	1.00	Coarse sand-fine gravel, dune crest	27.0	0.00	Left edge water, sand
54.0	1.28	Coarse sand-fine gravel, dune trough	28.0	0.14	Sand
56.0	1.34	Coarse sand-fine gravel	30.0	0.18	Sand
58.0	1.42	Coarse sand-fine gravel	32.0	0.25	Sand
60.0	1.48	Coarse sand-fine gravel, trough	34.0	0.35	Sand
62.0	1.50	Sand	36.0	0.65	Sand
64.0	1.62	Sand	38.0	0.70	Sand
66.0	1.55	Sand-gravel boundary	40.0	0.86	Sand
68.0	1.54	Medium,-coarse gravel up to 40 mm in diameter	42.0	0.82	Sand
			44.0	0.91	Sand
			46.0	1.28	Sand
70.0	1.52	Medium,-coarse gravel up to 40 mm in diameter	48.0	1.44	Sand
72.0	1.62	Medium,-coarse gravel up to 40 mm in diameter	50.0	1.82	Sand
74.0	1.62	Medium,-coarse gravel up to 40 mm in diameter	52.0	1.61	Sand
76.0	1.48	Medium,-coarse gravel up to 40 mm in diameter	54.0	1.72	Sand
76.1	0.00	Right edge water	56.0	2.02	Sand

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1604-1608; gage height: 0.94 ft] [Date: June 4, 1975; time: 1438-1445; gage height: 1.90 ft]					
---Continued					
58.0	2.50	Sand	34.0	0.92	Sand
60.0	2.73	Gravel	36.0	1.24	Sand
62.0	2.85	Gravel	38.0	1.72	Sand
64.0	2.72	Gravel	40.0	1.82	Sand
66.0	2.56	Gravel	42.0	2.00	Sand
68.0	2.60	Gravel	44.0	2.24	Sand
70.0	2.58	Gravel	46.0	2.50	Sand
72.0	2.61	Gravel	48.0	2.85	Sand
74.0	2.58	Gravel	50.0	3.05	Sand
76.0	2.46	Gravel	52.0	3.54	Sand
76.1	0.00	Right edge water	54.0	3.56	Sand
[Date: June 4, 1975; time: 1438-1445; gage height: 1.90 ft]					
23.5	0.00	Left edge water	56.0	3.60	Sand
24.0	0.15	Sand	58.0	3.88	Gravel
26.0	0.16	Sand	60.0	3.80	Gravel
28.0	0.20	Sand	62.0	3.74	Gravel
30.0	0.46	Sand	64.0	3.60	Gravel
32.0	0.70	Sand	66.0	3.53	Gravel
			68.0	3.50	Gravel
			70.0	3.50	Gravel

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1438-1445; gage height: 1.90 ft] [Date: June 5, 1975; time: 1150-1230; gage height: 2.08 ft]					
--Continued					
72.0	3.59	Gravel	42.0	2.05	Sand
74.0	3.60	Gravel	44.0	2.40	Sand
76.0	3.52	Bank edge	46.0	2.70	Sand
78.0	0.84	Bank	48.0	2.85	Sand
80.0	0.35	Bank	50.0	3.00	Sand
82.0	0.10	Right edge water	52.0	3.45	Sand
[Date: June 5, 1975; time: 1150-1230; gage height: 2.08 ft]					
23.0	0.00	Left edge water	54.0	3.60	Sand
24.0	0.20	Sand	56.0	3.54	Sand
26.0	0.26	Sand	58.0	3.90	Sand
28.0	0.30	Sand	60.0	3.60	Gravel
30.0	0.42	Sand	62.0	3.90	Gravel
32.0	0.55	Sand	64.0	3.80	Gravel
34.0	0.95	Sand	66.0	3.70	Gravel
36.0	1.30	Sand	68.0	3.70	Gravel
38.0	1.42	Sand	70.0	3.70	Gravel
40.0	1.85	Sand	72.0	3.66	Gravel
			74.0	3.80	Gravel
			76.0	3.74	Gravel

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 5, 1975; time: 1150-1230; gage height: 2.08 ft] [Date: June 6, 1975; time: 1620-1740; gage height: 3.00 ft]					
---Continued					
78.0	1.10	Bank	42.0	2.30	Sand
80.0	0.51	Bank	46.0	2.90	Sand
82.0	0.24	Bank	48.0	3.45	Sand
84.0	0.00	Right edge water	50.0	4.10	Sand
[Date: June 6, 1975; time: 1620-1740; gage height: 3.00 ft]					
---Continued					
7.0	0.00	Left edge water	52.0	4.45	Sand
10.0	1.05	Sand	54.0	4.20	Gravel
12.0	1.10	Sand	56.0	4.05	Gravel
14.0	1.00	Sand	58.0	4.60	Gravel
16.0	1.00	Sand	60.0	4.60	Gravel
18.0	0.95	Sand	62.0	4.60	Gravel
20.0	0.95	Sand	64.0	4.65	Gravel
22.0	0.80	Sand	66.0	4.65	Gravel
26.0	1.25	Sand	68.0	4.60	Gravel
30.0	1.25	Sand	70.0	4.55	Gravel
34.0	1.45	Sand	72.0	4.60	Gravel
38.0	1.75	Sand	74.0	4.75	Gravel
			76.0	4.65	Gravel

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1620-1740; gage height: 3.00 ft] [Date: June 7, 1975; time: 1340; gage height: 3.57 ft]					
--Continued					
78.0	1.85	Bank	28.0	1.30	Sand
80.0	1.50	Bank	30.0	1.80	Sand
88.0	0.00	Right edge water	32.0	2.15	Sand
[Date: June 7, 1975; time: 1340; gage height: 3.57 ft]					
3.0	0.00	Left edge water	34.0	2.80	Sand
4.0	0.22	Flood plain	36.0	3.12	Sand
6.0	0.58	Flood plain	38.0	3.70	Sand
8.0	1.22	Sand	40.0	3.70	Sand
10.0	1.24	Sand	42.0	3.90	Sand
12.0	1.24	Sand	44.0	3.95	Sand
14.0	1.10	Sand	46.0	4.42	Sand
16.0	1.10	Sand	48.0	4.40	Sand in dunes 0.9 ft high
18.0	1.35	Sand	50.0	4.40	Sand
20.0	1.20	Sand	52.0	4.80	Sand
22.0	1.56	Sand	54.0	5.40	Sand
24.0	2.12	Sand	56.0	5.50	Gravel
26.0	1.70	Sand	58.0	5.50	Gravel
			60.0	5.40	Gravel

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1340; gage height: 3.57 ft] [Date: June 8, 1975; time: 1055; gage height: 3.68 ft]					
--Continued			--Continued		
62.0	5.40	Gravel	3.0	0.00	Left edge water
64.0	5.30	Gravel	4.0	0.25	Flood plain
66.0	5.25	Gravel	6.0	0.63	Flood plain
68.0	5.23	Gravel	8.0	1.20	Grass
70.0	5.20	Gravel	10.0	1.10	Sand
72.0	5.20	Gravel	12.0	1.05	Sand
74.0	5.40	Gravel	14.0	0.75	Sand
76.0	5.44	Gravel	16.0	0.80	Sand
77.0	5.25	Bank	18.0	1.10	Sand
78.0	2.55	Bank	20.0	0.90	Sand
80.0	2.10	Bank	22.0	1.30	Sand in dunes, crest
82.0	1.82	Bank	24.0	1.72	Sand in dunes
84.0	1.54	Bank	26.0	1.82	Sand in dunes
86.0	0.90	Bank	28.0	2.15	Sand in dunes
90.0	0.00	Right edge water	30.0	2.50	Sand in dunes
[Date: June 8, 1975; time: 1055; gage height: 3.68 ft]			32.0	2.85	Sand in dunes
-----	-----	Flow to left of section across flood plain	34.0	3.45	Sand in dunes
			36.0	3.60	Sand in dunes
			38.0	3.85	Sand

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1055; gage height: 3.63 ft] [Date: June 8, 1975; time: 1055; gage height: 3.68 ft]					
--Continued					
40.0	4.20	Sand	76.0	5.40	Gravel
42.0	4.30	Sand	76.6	5.40	Bank edge
44.0	4.30	Sand	78.0	2.60	Bank
46.0	4.72	Sand and fine gravel	80.0	2.10	Bank
48.0	5.20	Fine gravel	82.0	1.84	Bank
50.0	5.70	Gravel	84.0	1.52	Bank
52.0	5.60	Gravel	86.0	0.90	Bank
54.0	5.65	Gravel	88.0	0.72	Bank
56.0	5.55	Gravel	90.0	0.00	Right edge water
58.0	5.52	Gravel	[Date: June 9, 1975; time: 1440; gage height: 3.48 ft]		
60.0	5.50	Gravel	3.0	0.00	Left edge water
62.0	5.35	Gravel	4.0	0.20	Sand
64.0	5.30	Gravel	6.0	0.60	Sand
66.0	5.26	Gravel	8.0	1.15	Sand
68.0	5.25	Gravel	10.0	0.95	Sand
70.0	5.20	Gravel	12.0	0.80	Sand
72.0	5.25	Gravel	14.0	1.02	Sand
74.0	5.35	Gravel	16.0	0.95	Sand



Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1440; gage height: 3.48 ft] [Date: June 9, 1975; time: 1440; gage height: 3.48 ft]					
--Continued					
18.0	1.20	Sand	52.0	5.50	Gravel
20.0	1.25	Sand	54.0	5.60	Gravel
22.0	1.60	Sand	56.0	5.70	Gravel
24.0	1.95	Sand	58.0	5.80	Gravel
26.0	2.20	Sand	60.0	5.50	Gravel
28.0	3.00	Sand	62.0	5.50	Gravel
30.0	2.55	Coarse sand	64.0	5.40	Gravel
32.0	2.50	Coarse sand	66.0	5.20	Gravel
34.0	2.90	Sand	68.0	5.10	Gravel
36.0	3.00	Soft sand	70.0	5.15	Gravel
38.0	3.80	Moving, soft sand	72.0	5.20	Gravel
40.0	4.55	Moving, soft sand	74.0	5.35	Gravel
42.0	4.25	Sand	76.0	5.30	Gravel
44.0	4.40	Sand	77.0	2.80	Sand
46.0	4.70	Sand	78.0	2.50	Sand
48.0	5.20	Sand	80.0	2.05	Sand
50.0	5.50	Sand and gravel	82.0	1.80	Grass

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1440; gage height: 3.48 ft] [Date: June 10, 1975; time: 1445; gage height: 2.60 ft]					
--Continued					
84.0	1.35	Grass	32.0	2.00	Sand
86.0	0.85	Grass	34.0	2.40	Sand
89.6	0.00	Right edge water	36.0	2.60	Sand
[Date: June 10, 1975; time: 1445; gage height: 2.60 ft]					
7.2	0.00	Left edge water	38.0	2.60	Sand
8.0	0.20	Fine-coarse sand	40.0	2.90	Sand
9.5	0.00	Sand bar	42.0	3.00	Sand
12.0	0.00	Sand bar	44.0	3.15	Sand
14.0	0.10	Fine-coarse sand	46.0	3.75	Sand
16.0	0.20	Fine-coarse sand	48.0	4.40	Sand
18.0	0.60	Fine-coarse sand	50.0	4.60	Sand and gravel
20.0	0.80	Sand	52.0	4.70	Gravel
22.0	1.00	Sand	54.0	4.65	Gravel
24.0	1.25	Sand	56.0	4.75	Gravel
26.0	1.50	Sand	58.0	4.55	Gravel
28.0	1.60	Sand	60.0	4.50	Fine-medium gravel
30.0	2.10	Sand	62.0	4.40	Gravel
			64.0	4.35	Gravel
			66.0	4.20	Gravel

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1445; gage height: 2.60 ft] [Date: June 11, 1975; time: 1400-1430; gage height: 1.79 ft]					
--Continued					
68.0	4.10	Gravel	28.0	1.00	Sand
70.0	4.20	Coarse sand and gravel	30.0	1.22	Sand
72.0	4.20	Gravel and sand	32.0	1.50	Sand
74.0	4.25	Gravel and sand	34.0	1.75	Sand
75.0	4.20	Gravel	36.0	2.00	Sand
76.0	2.70	Sand	38.0	2.15	Sand
78.0	1.50	Grass and sand	40.0	2.20	Sand
80.0	1.00	Grass and sand	42.0	2.35	Sand
82.0	0.65	Grass and sand	44.0	2.50	Sand
84.0	0.40	Grass and sand	46.0	2.70	Sand
85.1	0.00	Right edge water	48.0	3.30	Gravel
[Date: June 11, 1975; time: 1400-1430; gage height: 1.79 ft]					
19.0	0.00	Left edge water	50.0	3.80	Gravel
20.0	0.10	Sand	52.0	3.80	Gravel
22.0	0.32	Sand			
24.0	0.45	Sand	54.0	3.80	Gravel
26.0	0.80	Sand	56.0	3.90	Gravel

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 11, 1975; time: 1400-1430; gage height: 1.79 ft] [Date: June 12, 1975; time: 1500; gage height: 1.90 ft]					
--Continued					
58.0	3.80	Gravel	18.0	0.00	Left edge water
60.0	3.60	Gravel	20.0	0.20	Sand
			22.0	0.40	Sand
62.0	3.60	Gravel	24.0	0.65	Sand
64.0	3.58	Gravel	26.0	1.00	Sand
			28.0	1.20	Sand
66.0	3.30	Gravel	30.0	1.50	Sand
68.0	3.35	Gravel	32.0	1.80	Sand
70.0	3.35	Gravel	34.0	2.10	Sand
72.0	3.45	Gravel	36.0	2.35	Sand
			38.0	2.30	Sand
74.0	3.45	Gravel	40.0	2.40	Fine gravel
76.0	3.45	Gravel	42.0	2.70	Fine gravel
77.0	0.94	Bank	44.0	2.65	Sand
78.0	0.70	Bank	46.0	2.90	Sand
81.0	0.00	Right edge water	48.0	3.45	Sand
			50.0	3.90	Sand

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1500; gage height: 1.90 ft] [Date: June 14, 1975; time: 1505; gage height: 3.58 ft]					
--Continued					
52.0	4.00	Gravel	4.0	0.40	Flood plain
54.0	4.00	Gravel	6.0	0.74	Flood plain
56.0	4.10	Gravel	8.0	1.04	Sand
58.0	3.85	Gravel	10.0	1.12	Sand
60.0	3.65	Gravel	12.0	1.10	Sand
62.0	3.80	Gravel	14.0	1.35	Sand
64.0	3.60	Gravel	16.0	1.40	Sand
66.0	3.50	Gravel	18.0	1.80	Sand
68.0	3.50	Gravel	20.0	1.54	Sand
70.0	3.60	Gravel	22.0	1.40	Sand
72.0	3.60	Gravel	24.0	1.50	Sand
74.0	3.50	Gravel	26.0	1.90	Sand
76.0	1.20	Bank	28.0	2.25	Sand
78.0	0.80	Bank	30.0	2.25	Sand
80.0	0.35	Bank	32.0	2.28	Sand
82.0	0.00	Right edge water	34.0	2.52	Sand
[Date: June 14, 1975; time: 1505; gage height: 3.58 ft]					
2.0	0.00	Left edge water	36.0	2.85	Sand
			38.0	3.30	Sand
			40.0	3.60	Sand

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1505; gage height: 3.58 ft]					
--Continued					
42.0	4.10	Sand	76.0	5.30	Gravel
44.0	4.40	Sand	78.0	2.50	Bank
46.0	4.55	Sand	80.0	2.10	Bank
48.0	4.90	Sand	82.0	1.80	Bank
50.0	5.20	Gravel	84.0	1.45	Bank
52.0	5.40	Gravel	86.0	0.90	Bank
54.0	5.50	Gravel	88.0	0.50	Bank
56.0	5.32	Gravel	90.0	0.00	Right edge water
58.0	5.25	Gravel			
60.0	5.25	Gravel	[Date: June 15, 1975; time: 1350-1430; gage height: 3.76 ft]		
62.0	5.20	Gravel	0.0	0.00	Left edge water
64.0	5.20	Gravel	2.0	0.15	Sand
66.0	5.30	Gravel	4.0	0.51	Sand
68.0	5.20	Gravel	6.0	0.78	Sand
70.0	5.15	Gravel	8.0	1.20	Sand
72.0	5.26	Gravel	10.0	1.35	Sand
74.0	5.30	Gravel	12.0	1.25	Sand
			14.0	1.60	Sand

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 15, 1975; time: 1350-1430; gage height: 3.76 ft] [Date: June 15, 1975; time: 1350-1430; gage height: 3.76 ft]					
--Continued					
16.0	2.12	Sand	74.0	5.30	Gravel
18.0	2.20	Sand	77.0	3.15	Bank
20.0	2.30	Sand	81.0	2.15	Bank
22.0	2.50	Sand	86.0	1.00	Bank
24.0	2.60	Sand	91.0	0.00	Right edge water
28.0	2.90	Sand	[Date: June 17, 1975; time: 1019; gage height: 3.49 ft]		
32.0	4.00	Sand	4.0	0.00	Left edge water
36.0	4.95	Gravel	6.0	0.45	Bank
40.0	5.25	Gravel	8.0	1.00	Sand
44.0	5.70	Gravel	10.0	0.90	Sand
48.0	5.50	Gravel	12.0	0.74	Sand
52.0	5.50	Gravel	14.0	1.02	Sand
56.0	5.40	Gravel	16.0	1.22	Sand
59.0	5.40	Gravel	18.0	1.48	Sand
62.0	5.30	Gravel	20.0	1.77	Sand
65.0	5.25	Gravel	22.0	2.24	Sand
68.0	5.20	Gravel	24.0	2.46	Sand
71.0	5.25	Gravel	26.0	2.70	Sand

Table 14.--Cross-section measurements, East Fork River, section B-10--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 1019; gage height: 3.45 ft] [Date: June 17, 1975; time: 1019; gage height: 3.45 ft]					
--Continued					
28.0	3.00	Sand	60.0	5.15	Gravel
30.0	3.04	Sand	62.0	5.15	Gravel
32.0	3.20	Sand	64.0	5.10	Gravel
34.0	3.65	Sand	66.0	5.02	Gravel
36.0	4.14	Sand	68.0	5.00	Gravel
38.0	4.62	Sand	70.0	4.98	Gravel
40.0	5.12	Gravel	72.0	5.05	Gravel
42.0	5.15	Gravel	74.0	5.20	Gravel
44.0	5.30	Gravel	76.0	5.20	Gravel
46.0	5.40	Gravel	78.0	2.40	Bank
48.0	5.55	Gravel	80.0	1.95	Bank
50.0	5.55	Gravel	82.0	1.60	Bank
52.0	5.50	Gravel	84.0	1.25	Bank
54.0	5.30	Gravel	86.0	0.84	Bank
56.0	5.30	Gravel	88.0	0.30	Bank
58.0	5.30	Gravel	90.5	0.00	Right edge water



Table 15.---Cross-section measurements, East Fork River, section B-11

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1432-1438; gage height: 0.18 ft] [Date: May 29, 1975; time: 1432-1438; gage height: 0.18 ft]					
4.8	0.00	Left edge water	--Continued		
6.0	0.42	Medium gravel and sand	38.0	1.07	Coarse sand and fine gravel
8.0	0.52	Medium gravel and sand	40.0	1.01	Coarse sand and fine gravel
10.0	0.98	Medium gravel and sand	42.0	0.87	Fine gravel
12.0	1.06	Medium gravel and sand	44.0	0.70	Fine gravel
14.0	1.50	Medium gravel and sand	46.0	0.65	Fine gravel
16.0	1.60	Sand in ripples	48.0	0.48	Fine gravel
18.0	1.52	Sand in ripples	50.0	0.38	Fine gravel
20.0	1.44	Sand in ripples	52.0	0.32	Silt over gravel
22.0	1.42	Sand in ripples	54.0	0.14	-----
24.0	1.46	Sand in ripples	56.0	0.00	Right edge water
26.0	1.33	Sand in ripples	[Date: June 2, 1975; time: 1615-1620; gage height: 1.09 ft]		
28.0	1.63	Sand in ripples, trough	5.0	0.72	Sand and gravel; left edge water
30.0	1.47	Sand in ripples	6.0	1.39	Sand and gravel
32.0	1.06	Sand in ripples	8.0	1.44	Gravel
34.0	1.04	Sand in ripples, crest	10.0	1.90	Gravel
36.0	1.06	Coarse sand and fine gravel	12.0	2.02	Sand
			14.0	2.38	Sand

Table 15.--Cross-section measurements, East Fork River, section B-11--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1615-1620; gage height: 1.09 ft] [Date: June 2, 1975; time: 1615-1620; gage height: 1.09 ft]					
--Continued					
16.0	2.61	Sand	50.0	1.22	Sand and gravel
18.0	2.58	Sand	52.0	1.22	Sand and gravel
20.0	2.50	Sand	54.0	1.00	Sand and gravel
22.0	2.53	Sand	56.0	0.98	Sand and gravel
24.0	2.40	Sand	58.0	0.00	Right edge water
26.0	2.59	Sand			
28.0	2.53	Sand			
30.0	2.45	Sand			
32.0	2.83	Sand			
34.0	2.74	Sand			
36.0	2.43	Sand			
38.0	2.26	Sand			
40.0	2.32	Sand			
42.0	2.17	Sand			
44.0	1.88	Sand			
46.0	1.71	Sand			
48.0	1.46	Sand			
[Date: June 4, 1975; time: 1450-1500; gage height: 1.98 ft]					
			4.2	0.00	Left edge water
			5.0	1.70	-----
			6.0	2.22	Sand
			8.0	2.50	Gravel
			10.0	2.82	Gravel
			12.0	2.91	Sand and gravel
			14.0	3.22	Fine gravel
			16.0	3.53	Gravel
			18.0	3.70	Fine gravel
			20.0	3.80	Gravel
			22.0	3.94	Gravel

Table 15.--Cross-section measurements, East Fork River, section B-11--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1450-1500; gage height: 1.98 ft] [Date: June 4, 1975; time: 1450-1500; gage height: 1.98 ft]					
--Continued					
24.0	3.85	Gravel	58.0	0.67	Bank
26.0	3.93	Gravel	59.0	0.00	Right edge water
28.0	4.02	Gravel			
30.0	4.00	Gravel			
32.0	4.12	Gravel			
34.0	4.20	Sand			
36.0	3.60	Sand			
38.0	3.08	Sand			
40.0	3.10	Sand			
42.0	2.90	Sand			
44.0	2.48	Sand			
46.0	2.03	Sand			
48.0	1.80	Sand			
50.0	1.61	Fine gravel			
52.0	1.42	Fine gravel			
54.0	1.34	Fine gravel			
56.0	1.64	Sand			
[Date: June 6, 1975; time: 1340; gage height: 3.08 ft]					
			-3.5	0.00	Left edge water
			0.0	0.75	Bank
			2.0	0.60	Bank
			4.0	1.00	Bank
			5.0	3.10	Bank
			6.0	3.50	Gravel
			8.0	3.60	Gravel
			10.0	4.02	Gravel
			12.0	4.10	Gravel
			14.0	4.55	Sand over gravel
			16.0	4.88	Gravel
			18.0	4.78	Gravel
			20.0	4.95	Gravel
			22.0	5.04	Gravel

Table 15.--Cross-section measurements, East Fork River, section B-11--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1340; gage height: 3.08 ft] [Date: June 6, 1975; time: 1340; gage height: 3.08 ft]					
--Continued					
24.0	5.14	Gravel	58.0	1.90	Bank, muck
26.0	5.25	Gravel	60.0	0.50	Flood plain
28.0	5.15	Gravel	62.0	0.35	Flood plain
30.0	5.15	Sand	64.0	0.26	Flood plain
32.0	5.36	Sand	66.0	0.26	Flood plain
34.0	5.25	Sand	68.0	0.30	Flood plain
36.0	5.00	Sand	74.0	0.50	Flood plain
38.0	4.98	Sand	80.0	1.10	Flood plain
40.0	4.60	Sand	----	----	Water extends more than 30 ft to
42.0	4.20	Sand			right of measured section,
44.0	4.03	Sand			mostly backwater with very low
46.0	3.90	Sand and some gravel			velocity
48.0	3.40	Sand			
50.0	3.30	Sand			
52.0	3.22	Fine gravel			
54.0	2.95	Fine gravel			
56.0	3.02	Fine gravel			
[Date: June 7, 1975; time: 1400; gage height: 3.34 ft]					
			-4.0	0.00	Left edge water
			0.0	1.00	Bank
			2.0	0.94	Bank
			4.0	1.10	Bank

Table 15.--Cross-section measurements, East Fork River, section B-II--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1400; gage height: 3.34 ft] [Date: June 7, 1975; time: 1400; gage height: 3.34 ft]					
--Continued					
5.0	3.42	-----	38.0	5.20	Sand in dune, crest; $\lambda \approx 5.8$ ft
6.0	3.72	Gravel	40.0	5.30	Sand
8.0	3.90	Gravel	42.0	4.70	Sand
10.0	4.32	Gravel	44.0	4.50	Sand
12.0	4.50	Gravel	46.0	4.20	Gravel
14.0	4.82	Fine gravel	48.0	3.90	Gravel
16.0	5.00	Gravel	50.0	3.85	Gravel
18.0	5.08	Gravel	52.0	3.50	Gravel
20.0	5.21	Gravel	54.0	3.40	Gravel
22.0	5.35	Gravel	56.0	3.36	Gravel
24.0	5.35	Gravel	58.0	3.08	Gravel
26.0	5.50	Gravel	60.0	0.80	Flood plain
28.0	5.27	Gravel	62.0	0.60	Flood plain
30.0	5.60	Gravel	64.0	0.57	Flood plain
32.0	5.92	Gravel	66.0	0.52	Flood plain
34.0	6.00	Sand	-----	-----	Considerable water on flood
36.0	5.82	Sand			plain to right of measured section

Table 15.--Cross-section measurements, East Fork River, section B-11--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1450; gage height: 3.31 ft] [Date: June 9, 1975; time: 1450; gage height: 3.31 ft]					
-4.3	0.00	Left edge water	--Continued		
0.0	0.95	Grass	32.0	6.00	-----
2.0	0.90	Grass	----	----	Sounding curtailed as water depth
4.0	1.08	Grass			exceeded limits of equipment
5.0	3.40	-----			
6.0	3.70	Hard-packed sand	[Date: June 10, 1975; time: 1515; gage height: 2.62 ft]		
8.0	3.85	Sand	-1.0	0.00	Left edge water
10.0	4.30	Sand	0.0	0.20	Bank
12.0	4.40	Sand	2.0	0.05	Bank
14.0	4.60	Sand	3.0	0.00	Bank
16.0	5.05	Sand	4.0	0.50	Grass
18.0	5.10	Sand	5.0	1.30	Grass
20.0	5.20	Sand	6.0	2.95	Sand
22.0	5.45	Coarse sand	8.0	3.00	Sand and gravel
24.0	5.45	Coarse sand	10.0	3.45	Sand
26.0	5.60	Coarse sand	12.0	3.60	Sand
28.0	5.60	Coarse sand and fine gravel	14.0	3.85	Sand
30.0	5.80	Hard bottom	16.0	4.25	Sand
			18.0	4.30	Sand, some armoring

Table 15.--Cross-section measurements, East Fork River, section B-11--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1515; gage height: 2.62 ft] [Date: June 10, 1975; time: 1515; gage height: 2.62 ft]					
--Continued					
20.0	4.40	Sand	54.0	2.55	Sand, some armoring
22.0	4.50	Sand	56.0	2.50	Sand
24.0	4.70	Sand	58.0	1.20	Sand, bank
26.0	4.65	Sand and gravel	59.0	0.20	Bank
28.0	4.85	Sand	60.1	0.00	Right edge water
30.0	4.90	Sand			
32.0	5.10	Sand			
34.0	5.10	Soft sand	4.9	0.00	Left edge water
36.0	4.90	Soft sand	5.0	1.70	Gravel
38.0	4.60	Soft sand	6.0	2.20	Gravel
40.0	4.10	Soft sand	8.0	2.40	Gravel
42.0	3.80	Soft sand	10.0	2.86	Gravel
44.0	3.50	Soft sand	12.0	3.00	Sand and gravel
46.0	3.35	Sand, some armoring	14.0	3.30	Gravel
48.0	3.10	Hard-packed sand	16.0	3.50	Gravel
50.0	3.05	Sand and gravel	18.0	3.65	Gravel
52.0	2.80	Sand, some armoring	20.0	3.80	Gravel
			22.0	3.88	Gravel
[Date: June 12, 1975; time: 1506-1525; gage height: 2.00 ft]					

Table 15.--Cross-section measurements, East Fork River, section B-11--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1506-1525; gage height: 2.00 ft] [Date: June 12, 1975; time: 1506-1525; gage height: 2.00 ft]					
--Continued					
24.0	3.95	Gravel	58.0	0.50	Bank
26.0	4.05	Gravel	59.0	0.00	Right edge water
28.0	3.80	Gravel			
30.0	4.20	Sand and gravel	[Date: June 14, 1975; time: 1520-1525; gage height: 3.55 ft]		
32.0	4.40	Sand and gravel	-5.0	0.00	Left edge water
34.0	4.10	Sand	0.0	1.03	Bank
36.0	3.50	Sand	2.0	0.95	Bank
38.0	3.35	Sand	4.0	1.15	Bank
40.0	3.20	Sand	6.0	3.80	Gravel
42.0	2.90	Sand	8.0	3.85	Gravel
44.0	2.60	Sand	10.0	4.25	Gravel
46.0	2.60	Gravel	12.0	4.40	Sand and gravel
48.0	2.50	Gravel	14.0	4.82	Sand and gravel
50.0	2.35	Gravel	16.0	5.00	Gravel
52.0	2.12	Gravel	18.0	5.12	Gravel
54.0	2.00	Gravel	20.0	5.30	Gravel
56.0	1.10	Bank	22.0	5.30	Gravel
			24.0	5.40	Gravel



Table 15.---Cross-section measurements, East Fork River, section B-11---Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1520-1525; gage height: 3.55 ft] [Date: June 14, 1975; time: 1520-1525; gage height: 3.55 ft]					
---Continued					
26.0	5.42	Gravel	60.0	0.80	Flood plain
28.0	5.35	Gravel	62.0	0.70	Flood plain
30.0	5.50	Sand	64.0	0.65	Flood plain
32.0	5.40	Sand	66.0	0.60	Flood plain
34.0	5.40	Sand	68.0	0.65	Flood plain
36.0	5.60	Sand			
38.0	5.15	Sand			
40.0	4.80	Sand			
42.0	4.60	Sand			
44.0	4.15	Sand			
46.0	4.05	Sand			
48.0	3.96	Sand			
50.0	3.60	Sand			
52.0	3.50	Sand			
54.0	3.35	Fine gravel			
56.0	3.15	Gravel			
58.0	2.30	Sand			
[Date: June 17, 1975; time: 1032; gage height: 3.31 ft]					
			-4.5	0.00	Left edge water
			0.0	0.92	Bank
			2.0	0.85	Bank
			4.0	0.90	Bank
			6.0	3.62	Gravel
			8.0	3.75	Gravel
			10.0	4.15	Sand
			12.0	4.25	Sand
			14.0	4.70	Sand
			16.0	4.90	Sand and gravel
			18.0	4.98	Sand

Table 15.--Cross-section measurements, East Fork River, section B-11--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 1032; gage height: 3.31 ft] [Date: June 17, 1975; time: 1032; gage height: 3.31 ft]					
--Continued			--Continued		
20.0	5.05	Sand	54.0	3.35	Gravel
22.0	5.25	Gravel	56.0	3.32	Gravel
24.0	5.22	Gravel	58.0	2.66	Sand
26.0	5.35	Sand and gravel	60.0	0.82	Flood plain
28.0	5.40	Sand and gravel	62.0	0.56	Flood plain
30.0	5.55	Gravel	64.0	0.50	Flood plain
32.0	5.80	Sand and gravel	66.0	0.47	Flood plain
34.0	6.05	Sand and gravel	68.0	0.52	Flood plain
36.0	5.80	Sand			
38.0	5.72	Sand			
40.0	5.30	Sand			
42.0	4.80	Sand			
44.0	4.50	Gravel			
46.0	4.02	Gravel			
48.0	3.85	Gravel			
50.0	3.70	Gravel			
52.0	3.45	Gravel			

Table 16.--Cross-section measurements, East Fork River, section B-12

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1445-1450; gage height: 0.40 ft] [Date: May 29, 1975; time: 1445-1450; gage height: 0.40 ft]					
22.0	0.10	Left edge water	---Continued		
24.0	0.36	Fine sand and silt	56.0	2.50	Sand
26.0	0.00	Fine sand and silt	58.0	2.36	Sand
28.0	0.00	Fine sand and silt	60.0	2.25	Sand
30.0	0.32	Fine sand and silt	62.0	2.23	Sand
32.0	1.17	-----	64.0	2.03	Coarse sand-fine gravel
34.0	1.90	-----	66.0	1.84	Coarse sand-fine gravel
36.0	2.30	-----	68.0	1.56	-----
38.0	2.57	-----	70.0	1.13	-----
40.0	2.82	-----	72.0	1.03	-----
42.0	2.75	-----	74.0	1.22	-----
44.0	2.67	-----	76.0	0.92	-----
46.0	2.30	-----	76.2	0.88	Right edge water
48.0	1.94	-----	[Date: June 2, 1975; time: 1628; gage height: 1.25 ft]		
50.0	1.90	Sand	22.0	1.04	Silt
52.0	2.40	Sand	24.0	1.20	Silt
54.0	2.52	Sand	26.0	0.92	Silt

Table 16.--Cross-section measurements, East Fork River, section B-12--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1628; gage height: 1.25 ft] [Date: June 2, 1975; time: 1628; gage height: 1.25 ft]					
--Continued			--Continued		
28.0	0.78	Silt	60.0	2.72	Sand
30.0	1.32	Silt	62.0	2.95	Sand
32.0	2.00	Silt	64.0	2.59	Sand
34.0	2.67	Silt	66.0	2.43	Sand
36.0	3.20	Silt	68.0	2.00	Sand
38.0	3.60	Silt	70.0	1.88	Sand
40.0	3.65	Silt	72.0	1.90	Sand
42.0	3.55	Silt	74.0	1.92	Sand
44.0	3.48	Silt	76.0	1.68	Right edge water
46.0	3.18	Silt			
48.0	2.97	Silt			
50.0	3.20	Silt			
52.0	2.89	Silt	21.0	1.40	Left edge water
54.0	2.82	Silt	22.0	1.80	Soft muck
56.0	2.80	Silt	24.0	1.98	Soft muck
58.0	2.52	Silt	26.0	1.65	Soft muck
			28.0	1.48	Sand and silt
			30.0	1.80	Sand and silt

[Date: June 4, 1975; time: 1305; gage height: 2.05 ft]

Table 16.--Cross-section measurements, East Fork River, section B-12--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1305; gage height: 2.05 ft] [Date: June 4, 1975; time: 1305; gage height: 2.05 ft]					
--Continued					
32.0	2.80	Soft bed material	66.0	2.96	Sand and fine gravel
34.0	3.65	Soft bed material	68.0	2.82	Fine gravel and sand
36.0	4.20	Sand	70.0	2.70	Fine gravel and sand
38.0	4.25	Soft sand	72.0	2.64	Fine gravel and sand
40.0	4.03	Sand	74.0	2.30	Fine gravel
42.0	3.94	Sand	76.0	2.00	Bank
44.0	4.04	Sand	76.8	0.10	Right edge water
46.0	4.12	Sand			
48.0	4.25	Sand			
50.0	4.48	Sand			
52.0	4.60	Sand			
54.0	4.36	Sand			
56.0	4.50	Sand			
58.0	4.40	Sand			
60.0	3.90	Sand			
62.0	3.42	Sand			
64.0	3.10	Sand			
[Date: June 6, 1975; time: 1407; gage height: 3.23 ft]					
			-2.5	0.00	Left edge water, colluvium
			0.0	0.60	Colluvium
			2.0	0.78	Flood plain
			4.0	0.88	Flood plain
			6.0	0.55	Flood plain
			8.0	1.37	Flood plain
			10.0	1.24	Flood plain
			12.0	1.10	Flood plain
			14.0	0.82	Flood plain

Table 16.--Cross-section measurements, East Fork River, section B-12--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1407; gage height: 3.23 ft] [Date: June 6, 1975; time: 1407; gage height: 3.23 ft]					
--Continued					
16.0	0.46	Flood plain	48.0	6.35	Sand
18.0	0.40	Flood plain	50.0	6.60	Sand
20.0	0.75	Flood plain	52.0	6.90	Sand
21.0	1.10	Bank	54.0	6.78	Sand
22.0	3.20	Soft bed material	56.0	6.42	Sand
24.0	3.25	Soft bed material	58.0	5.90	Sand
26.0	2.90	(Soft bed material) upstream eddy	60.0	6.08	Sand
28.0	2.60	(Soft bed material) upstream eddy	62.0	6.06	Sand
30.0	2.94	(Soft bed material) upstream eddy	64.0	5.90	Sand
32.0	4.05	(Soft bed material) upstream eddy	66.0	5.45	Sand
34.0	4.80	(Soft bed material) upstream eddy	68.0	4.70	Coarse sand
36.0	5.40	Soft bed material	70.0	4.64	Coarse sand
38.0	5.50	Soft bed material	72.0	4.02	Coarse sand
40.0	5.50	Sand	74.0	3.65	Coarse sand
42.0	5.40	Sand	76.0	3.30	Sand
44.0	5.64	Sand	78.0	0.24	-----
46.0	6.10	Sand	79.0	0.00	Right edge water

Table 16.--Cross-section measurements, East Fork River, section B-12--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1440; gage height: 3.52 ft] [Date: June 7, 1975; time: 1440; gage height: 3.52 ft]					
-4.0	0.00	Left edge water	--Continued		
0.0	0.82	Colluvium	34.0	5.15	Soft bed material
2.0	1.03	Flood plain	36.0	5.50	Soft bed material
4.0	1.14	Flood plain	38.0	5.70	Soft bed material
6.0	0.90	Flood plain	40.0	5.80	Soft bed material
8.0	1.54	Flood plain	42.0	5.90	Soft bed material
10.0	1.63	Flood plain	44.0	6.64	Soft bed material
12.0	1.45	Flood plain	46.0	7.00	Soft bed material
14.0	1.24	Flood plain	48.0	7.15	Sand
16.0	0.74	Flood plain	50.0	7.20	Sand
18.0	0.68	Flood plain	52.0	7.06	Sand
20.0	1.00	Flood plain	54.0	7.06	Sand
22.0	3.40	-----	56.0	6.86	Sand
24.0	3.35	-----	58.0	7.00	Sand
26.0	3.12	-----	60.0	6.70	Sand
28.0	2.80	Soft bed material	62.0	6.54	Sand
30.0	3.20	Soft bed material	64.0	6.10	Sand
32.0	4.30	Soft bed material	66.0	6.20	Sand
			68.0	5.60	Sand

Table 16.--Cross-section measurements, East Fork River, section B-12--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1440; gage height: 3.52 ft]					
--Continued					
70.0	5.10	Gravel	28.0	2.00	Sand
72.0	4.70	Gravel	30.0	2.55	Sand
74.0	4.62	Gravel	32.0	3.75	Sand
76.0	3.90	Sand	34.0	4.25	Sand
78.0	0.50	Flood plain	36.0	4.70	Sand
80.0	0.22	Flood plain	38.0	4.90	Sand
82.0	0.10	Flood plain	40.0	4.95	Sand
----	----	Considerable water moving across	42.0	4.95	Soft sand
		flood plain to right of measured	44.0	6.20	Soft sand
		section	46.0	6.35	Soft sand
			48.0	6.55	Soft sand
[Date: June 10, 1975; time: 1525; gage height: 2.67 ft]					
19.1	0.00	Left edge water	50.0	6.70	Soft sand
20.0	0.10	Grass	52.0	6.60	Soft sand
21.0	0.50	Grass	54.0	6.50	Soft sand
22.0	2.05	Mud	56.0	6.50	Soft sand
24.0	2.50	Sand	58.0	6.20	Soft sand
26.0	2.15	Sand	60.0	5.85	Soft sand
			62.0	5.40	Soft sand



Table 16.---Cross-section measurements, East Fork River, section B-12---Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1525; gage height: 2.67 ft] [Date: June 12, 1975; time: 1540; gage height: 1.98 ft]					
--Continued					
64.0	5.30	Soft sand	32.0	2.40	Sand
66.0	5.05	Sand and gravel	34.0	3.55	Sand
68.0	4.90	Soft sand	36.0	3.90	Sand
70.0	4.50	Soft sand	38.0	4.10	Sand
72.0	4.20	Soft sand	40.0	4.20	Sand
74.0	3.90	Gravel, armor	42.0	4.70	Sand
76.0	3.20	Sand	44.0	5.50	Sand
77.0	0.00	Right edge water	46.0	5.80	Sand
[Date: June 12, 1975; time: 1540; gage height: 1.98 ft]					
21.0	1.30	Left edge water	48.0	6.00	Sand
22.0	1.88	Sand	50.0	5.95	Sand
24.0	1.90	Sand	52.0	5.55	Sand
26.0	1.55	Sand	54.0	5.50	Sand
28.0	1.60	Sand	56.0	5.35	Sand
30.0	1.90	Sand	58.0	4.90	Sand
			60.0	4.70	Sand
			62.0	4.40	Sand
			64.0	4.30	Sand

Table 16.--Cross-section measurements, East Fork River, section B-12--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1540; gage height: 1.98 ft] [Date: June 14, 1975; time: 1535; gage height: 3.58 ft]					
--Continued					
66.0	3.90	Sand	16.0	0.84	Flood plain
68.0	3.20	Sand	18.0	0.78	Flood plain
70.0	3.40	Sand	20.0	1.08	Flood plain
72.0	3.25	Sand	22.0	2.10	Bank
74.0	3.15	Gravel	24.0	3.76	Sand
76.0	2.55	Right edge water	26.0	3.14	Sand
[Date: June 14, 1975; time: 1535; gage height: 3.58 ft]					
-9.0	0.00	Left edge water	28.0	3.15	Sand
0.0	0.98	Colluvium	30.0	3.30	Sand
2.0	1.15	Flood plain	32.0	3.80	Sand
4.0	1.30	Flood plain	34.0	4.50	Sand
6.0	1.20	Flood plain	36.0	5.50	Sand
8.0	1.60	Flood plain	38.0	5.64	Sand
10.0	1.65	Flood plain	40.0	5.90	Sand
12.0	1.45	Flood plain	42.0	6.50	Sand
14.0	1.20	Flood plain	44.0	7.10	Sand
			46.0	7.50	Sand
			48.0	7.50	Sand

Table 16.--Cross-section measurements, East Fork River, section B-12--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1535; gage height: 3.58 ft] [Date: June 17, 1975; time: 1039; gage height: 3.38 ft]					
--Continued					
50.0	7.40	Sand	-3.0	0.00	Left edge water
52.0	7.50	Sand	0.0	0.73	Colluvium
54.0	7.30	Sand	2.0	0.93	Flood plain
56.0	7.20	Sand	4.0	1.10	Flood plain
58.0	7.20	Sand	6.0	0.72	Flood plain
60.0	6.60	Sand	8.0	1.50	Flood plain
62.0	6.65	Sand	10.0	1.42	Flood plain
64.0	6.35	Sand	12.0	1.33	Flood plain
66.0	6.30	Sand	14.0	1.00	Flood plain
68.0	5.90	Sand	16.0	0.60	Flood plain
70.0	5.40	Sand	18.0	0.56	Flood plain
72.0	5.10	Gravel	20.0	0.88	Flood plain
74.0	5.00	Gravel	22.0	3.25	Sand
76.0	4.20	Gravel	24.0	3.45	Sand
78.0	0.60	Flood plain	26.0	3.00	Sand
80.0	0.22	Flood plain	28.0	3.00	Sand
82.0	0.20	Flood plain	30.0	3.10	Sand
84.0	0.20	Flood plain	32.0	3.70	Sand
			34.0	4.80	Sand

Table 16.--Cross-section measurements, East Fork River, section B-12--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 1039; gage height: 3.38 ft] [Date: June 17, 1975; time: 1039; gage height: 3.38 ft]					
--Continued			--Continued		
36.0	5.02	Sand	70.0	5.50	Sand
38.0	5.60	Sand	72.0	5.25	Sand
40.0	5.80	Sand	74.0	4.75	Gravel
42.0	6.38	Sand	76.0	4.15	Sand
44.0	7.40	Sand	78.0	0.32	Bank
46.0	7.24	Sand	80.0	0.00	Right edge water
48.0	7.30	Sand			
50.0	7.50	Gravel			
52.0	7.45	Sand			
54.0	7.30	Sand			
56.0	7.10	Sand			
58.0	6.90	Sand			
60.0	6.45	Gravel			
62.0	6.50	Sand and gravel			
64.0	6.25	Gravel			
66.0	5.90	Gravel			
68.0	5.70	Gravel			

Table 17.--Cross-section measurements, East Fork River, section B-13

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1455-1501; gage height: -0.24 ft] [Date: May 29, 1975; time: 1455-1501; gage height: -0.24 ft]					
8.0	0.60	Left edge water	--Continued		
10.0	1.23	2 inches soft silt over gravel	46.0	0.69	Fine gravel
12.0	1.57	2 inches soft silt over gravel	48.0	0.70	Fine gravel
14.0	1.34	Soft silt over gravel	50.0	0.94	Fine gravel
16.0	1.25	Sand and fine gravel	52.0	0.97	Fine gravel
18.0	0.91	Fine gravel	54.0	1.04	Fine gravel
20.0	0.94	Fine gravel	56.0	1.15	Fine gravel
22.0	0.80	Fine gravel	58.0	1.16	Streaks of sand over fine-medium gravel
24.0	0.78	Fine gravel	60.0	1.12	Streaks of sand over fine-medium gravel
26.0	0.72	Fine gravel	62.0	1.18	Streaks of sand over fine-medium gravel
28.0	0.61	Fine gravel	64.0	1.01	Medium gravel
30.0	0.35	Fine gravel	66.0	0.83	-----
32.0	0.43	Fine gravel	68.0	0.70	-----
34.0	0.54	Fine gravel	70.0	0.30	-----
36.0	0.75	Fine gravel	71.0	0.00	Right edge water
38.0	0.80	Fine gravel	[Date: June 2, 1975; time: 1641-1647; gage height: 0.66 ft]		
40.0	0.78	Fine gravel	8.0	0.69	Silt
42.0	0.84	Fine gravel	10.0	2.12	Silt over gravel
44.0	0.78	Fine gravel	12.0	2.45	Silt over gravel

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1641-1647; gage height: 0.66 ft] [Date: June 2, 1975; time: 1641-1647; gage height: 0.66 ft]					
--Continued					
14.0	2.30	Silt over gravel	--Continued		
16.0	2.20	Sand over gravel	52.0	1.95	Sand
18.0	1.91	Sand and gravel	54.0	1.98	Sand
20.0	1.85	Sand and gravel	56.0	2.00	Sand
22.0	1.79	Sand and gravel	58.0	2.08	Sand and gravel
24.0	1.72	Fine gravel	60.0	2.08	Gravel
26.0	1.70	Fine gravel	62.0	2.15	Gravel
28.0	1.55	Fine gravel	64.0	1.97	Sand over gravel
30.0	1.32	Fine gravel	66.0	1.78	Sand over gravel
32.0	1.33	Fine gravel	68.0	1.54	Sand over gravel
34.0	1.48	Sand and fine gravel	70.0	1.30	Sand over gravel
36.0	1.62	Sand and fine gravel	72.0	0.63	-----
38.0	1.75	Sand	74.5	0.10	Right edge water
40.0	1.75	Sand	[Date: June 4, 1975; time: 1520, gage height: 1.52 ft]		
42.0	1.77	Sand	7.0	0.00	Left edge water
44.0	1.75	Sand	8.0	2.60	Gravel
46.0	1.62	Sand	10.0	2.97	Sand and fine gravel
48.0	1.65	Sand	12.0	3.25	Sand
50.0	1.80	Sand	14.0	3.25	Sand

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1520; gage height: 1.52 ft]					
--Continued					
16.0	3.10	Sand	52.0	2.70	Sand
18.0	3.00	Sand	54.0	2.78	Sand
20.0	2.80	Fine gravel	56.0	2.84	Fine gravel
22.0	2.70	Fine gravel	58.0	2.86	Gravel
24.0	2.58	Fine gravel	60.0	2.78	Sand
26.0	2.50	Fine gravel	62.0	2.50	Sand
28.0	2.38	Gravel	64.0	2.48	Sand
30.0	2.28	Gravel	66.0	1.87	Sand
32.0	2.30	Gravel	68.0	1.08	Sand
34.0	2.52	Fine gravel	70.0	0.64	Sand
36.0	2.56	Fine gravel	72.0	0.70	Sand
38.0	2.70	Fine gravel	74.0	0.70	Sand
40.0	2.62	Fine gravel	76.0	0.78	Sand
42.0	2.60	Fine gravel	78.0	0.45	Sand
44.0	2.60	Sand	80.0	0.45	Sand
46.0	2.60	Sand	82.0	0.50	Sand
48.0	2.52	Sand	83.0	0.00	Right edge water
50.0	2.64	Sand			

[Date: June 4, 1975; time: 1520; gage height: 1.52 ft] [Date: June 4, 1975; time: 1520; gage height: 1.52 ft]

--Continued

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1435; gage height: 2.80 ft]					
-1.0	0.00	Left edge water, colluvium	--Continued		
0.0	0.24	Bank	36.0	3.60	Sand
2.0	0.38	Bank	38.0	3.60	Sand
4.0	0.60	Bank	40.0	3.68	Sand
6.0	0.90	Bank	42.0	3.82	Sand
8.0	3.96	Edge of bank	44.0	3.78	Sand
10.0	4.40	Gravel	46.0	3.82	Sand
12.0	4.70	Gravel	48.0	3.82	Sand
14.0	4.50	Gravel	50.0	3.96	Sand
16.0	4.55	Fine gravel	52.0	4.00	Sand
18.0	4.15	Fine gravel	54.0	4.20	Gravel
20.0	4.02	Gravel	56.0	4.14	Gravel
22.0	3.94	Gravel	58.0	4.02	Gravel
24.0	3.85	Gravel	60.0	3.78	Sand
26.0	3.90	Gravel	62.0	3.82	Sand
28.0	4.00	Gravel	64.0	3.10	Sand in dunes
30.0	4.18	Gravel	66.0	3.25	Sand
32.0	4.03	Fine gravel	68.0	2.60	Sand
34.0	3.85	Sand and gravel	70.0	2.00	Sand

[Date: June 6, 1975; time: 1435; gage height: 2.80 ft]



Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1435; gage height: 2.80 ft]					
--Continued					
72.0	1.74	Sand	10.0	4.93	
74.0	1.48	Sand	12.0	5.10	Gravel
76.0	1.45	Sand	14.0	5.20	Gravel
78.0	1.50	Sand	16.0	5.06	Gravel
80.0	1.50	Sand	18.0	5.00	Gravel
82.0	1.54	Sand	20.0	4.75	Gravel
83.0	1.20	Right edge water	22.0	4.55	Gravel
----	----	Considerable backwater with little velocity to right of measured section	24.0	4.56	Gravel
			26.0	4.54	Gravel
			28.0	4.57	Gravel
			30.0	4.54	Gravel
[Date: June 7, 1975; time: 1500; gage height: 3.35 ft]					
-3.3	0.00	Left edge water	32.0	4.48	Sand
0.0	0.76	Bank	34.0	4.25	Sand
2.0	0.98	Bank	36.0	4.06	Sand
4.0	1.18	Bank	38.0	3.88	Sand
6.0	1.55	Bank	40.0	4.00	Sand
7.5	4.30	Bank edge	42.0	4.50	Sand
8.0	4.38		44.0	4.42	Sand

Table 17.---Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1500; gage height: 3.35 ft]					
---Continued					
46.0	4.40	Sand	80.0	1.60	Sand
48.0	4.28	Sand	82.0	1.60	Sand
50.0	4.45	Sand	84.0	0.50	Grassy flood plain
52.0	4.52	Sand	86.0	0.76	Grassy flood plain
54.0	4.66	Sand	88.0	0.60	Grassy flood plain
56.0	4.70	Sand and some gravel	90.0	0.65	Grassy flood plain
58.0	4.60	Sand and fine gravel	92.0	0.60	Grassy flood plain
60.0	4.25	Sand and fine gravel	94.0	0.68	Grassy flood plain
62.0	3.82	Sand	----	----	Water essentially continuous across
64.0	3.50	Sand			flood plain to right of measured
66.0	3.37	Sand			section
68.0	3.34	Sand			
70.0	2.90	Sand			
72.0	2.38	Sand	-2.4	0.00	Left edge water
74.0	2.04	Sand	0.0	0.65	Bank
76.0	1.82	Sand	2.0	0.80	Bank
78.0	1.73	Sand	4.0	1.10	Bank
			6.0	1.35	Sand (bank)
[Date: June 9, 1975; time: 1515; gage height: 3.20 ft]					

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1515; gage height: 3.20 ft] [Date: June 9, 1975; time: 1515; gage height: 3.20 ft]					
--Continued			--Continued		
7.0	1.60	Sand (bank)	42.0	4.25	Sand
8.0	4.30	Sand	44.0	4.45	Sand
10.0	5.05	Sand	46.0	4.40	Sand
12.0	5.30	Sand	48.0	4.40	Sand
14.0	5.15	Sand	50.0	4.40	Sand
16.0	5.10	Sand	52.0	4.50	Sand
18.0	5.00	Coarse sand	54.0	4.55	Sand
20.0	4.70	Coarse sand	56.0	4.65	Sand
22.0	4.40	Coarse sand	58.0	4.50	Sand
24.0	4.60	Sand	60.0	4.15	Sand
26.0	4.70	Sand	62.0	3.90	Sand
28.0	4.60	Sand	64.0	3.60	Sand
30.0	4.45	Sand	66.0	3.60	Sand
32.0	4.35	Sand	68.0	3.10	Soft sand
34.0	4.15	Sand	70.0	2.55	Sand
36.0	4.00	Sand in dunes	72.0	2.30	Sand
38.0	4.25	Sand	74.0	2.30	Sand
40.0	4.50	Sand	76.0	2.00	Sand

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 9, 1975; time: 1515; gage height: 3.20 ft] [Date: June 10, 1975; time: 1547; gage height: 2.11 ft]					
--Continued			--Continued		
78.0	1.70	Sand	14.0	4.00	Sand
80.0	1.50	Sand	16.0	4.00	Sand and armor
82.0	1.35	Bank	18.0	3.70	Soft sand
82.5	1.25	Bank	20.0	3.70	Sand
83.0	0.45	Bank	22.0	3.50	Soft sand
84.0	0.40	Flood plain	24.0	2.90	Soft sand
86.0	0.60	Flood plain	26.0	2.35	Soft sand
88.0	0.50	Flood plain	28.0	2.50	Soft sand
90.0	0.50	Flood plain	30.0	2.80	Soft sand
92.0	0.45	Flood plain	32.0	2.60	Soft sand
94.0	0.50	Flood plain	34.0	2.75	Sand
[Date: June 10, 1975; time: 1547; gage height: 2.11 ft]					
4.5	0.00	Left edge water	36.0	2.75	Soft sand
6.0	0.20	Silt and grass (bank)	38.0	2.95	Soft sand
7.0	0.55	Silt and grass (bank)	40.0	3.30	Sand
8.0	3.10	Gravel and sand	42.0	2.90	Soft sand
10.0	3.70	Gravel and sand	44.0	2.90	Sand
12.0	4.00	Sand	46.0	3.20	Sand
			48.0	3.00	Soft sand

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1547; gage height: 2.11 ft] [Date: June 12, 1975; time: 1550; gage height: 1.48 ft]					
--Continued					
50.0	3.20	Sand	9.0	0.00	Left edge water
52.0	3.30	Sand	10.0	2.50	Gravel
54.0	3.00	Soft sand in dunes	12.0	2.60	Gravel
56.0	2.95	Soft sand in dunes	14.0	3.30	Gravel
58.0	2.60	Soft sand in dunes	16.0	2.80	Gravel
60.0	2.35	Soft sand in dunes	18.0	2.60	Gravel
62.0	2.20	Soft sand in dunes	20.0	2.60	Gravel
64.0	1.55	Soft sand in dunes	22.0	2.55	Gravel
66.0	1.75	Soft sand in dunes	24.0	2.60	Gravel
68.0	1.20	Soft sand in dunes	26.0	2.50	Sand
70.0	1.05	Soft sand in dunes	28.0	2.40	Sand
72.0	0.90	Soft sand in dunes	30.0	2.00	Sand
74.0	0.90	Soft sand in dunes	32.0	1.84	Sand
76.0	0.85	Soft sand	34.0	1.80	Sand
78.0	0.85	Soft sand	36.0	2.50	Sand
80.0	0.70	Fine sand in ripples	38.0	2.20	Sand
82.0	0.40	Fine sand in ripples	40.0	2.20	Sand
82.6	0.15	Right edge water	42.0	2.50	Sand
			44.0	1.94	Sand

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1550; gage height: 1.48 ft] [Date: June 14, 1975; time: 1550; gage height: 3.45 ft]					
46.0	2.00	Sand	-4.0	0.00	Left edge water
48.0	2.04	Sand	0.0	0.90	Bank
50.0	2.40	Sand	2.0	1.00	Bank
52.0	2.22	Sand	4.0	1.23	Bank
54.0	2.04	Sand	6.0	1.60	Bank
56.0	2.45	Sand	8.0	4.40	Sand
58.0	1.95	Sand	10.0	5.14	Gravel
60.0	1.60	Sand	12.0	5.25	Gravel
62.0	1.58	Sand	14.0	5.05	Gravel
64.0	1.45	Sand	16.0	4.85	Gravel
66.0	0.90	Sand	18.0	4.70	Gravel
68.0	0.70	Sand and fine gravel	20.0	4.60	Gravel
70.0	0.70	Sand and fine gravel	22.0	4.70	Gravel
72.0	0.70	Sand and fine gravel	24.0	4.85	Gravel
74.0	0.60	Sand and fine gravel	26.0	4.80	Gravel
76.0	0.50	Sand and fine gravel	28.0	4.85	Gravel
78.0	0.55	Sand	30.0	4.70	Gravel
80.0	0.55	Sand	32.0	4.65	Gravel
82.0	0.35	Right edge water	34.0	4.65	Gravel

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1550; gage height: 3.45 ft]					
--Continued					
36.0	4.70	Sand	72.0	2.60	Sand
38.0	4.40	Sand	74.0	2.10	Sand
40.0	4.55	Sand	76.0	1.95	Sand
42.0	4.45	Sand	78.0	1.90	Sand
44.0	4.40	Sand	80.0	2.05	Sand
46.0	4.40	Sand	82.0	1.95	Sand
48.0	4.35	Sand	84.0	0.65	Flood plain
50.0	4.60	Sand	86.0	0.85	Flood plain
52.0	4.70	Sand	88.0	0.80	Flood plain
54.0	4.60	Sand	90.0	0.80	Flood plain
56.0	4.55	Sand	92.0	0.80	Flood plain
58.0	4.40	Sand	94.0	0.82	Flood plain
60.0	4.10	Sand	96.0	0.84	Flood plain
62.0	3.70	Sand	-----	-----	Some flow to right of measured section
64.0	3.30	Sand	[Date: June 17, 1975; time: 1055; gage height: 3.12 ft]		
66.0	3.20	Sand	-2.0	0.00	Left edge water
68.0	3.00	Sand	0.0	0.55	Bank
70.0	2.80	Sand			

Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 1055, gage height: 3.12 ft] [Date: June 17, 1975; time 1055; gage height: 3.12 ft]					
--Continued			--Continued		
2.0	0.70	Bank	38.0	4.30	Sand
4.0	0.91	Bank	40.0	4.25	Sand
6.0	1.22	Bank	42.0	4.20	Sand
8.0	4.20	Gravel	44.0	4.35	Sand
10.0	4.70	Gravel	46.0	4.15	Sand
12.0	4.85	Gravel	48.0	4.20	Sand
14.0	4.80	Gravel	50.0	4.12	Sand
16.0	4.55	Sand and gravel	52.0	4.25	Sand
18.0	4.35	Fine gravel	54.0	4.30	Sand
20.0	4.20	Gravel	56.0	4.20	Sand
22.0	4.35	Fine gravel	58.0	4.03	Sand
24.0	4.50	Fine gravel	60.0	3.60	Sand
26.0	4.45	Fine gravel	62.0	3.15	Sand
28.0	4.50	Sand and gravel	64.0	2.85	Sand
30.0	4.40	Fine gravel	66.0	2.60	Sand
32.0	4.32	Sand and gravel	68.0	2.42	Sand
34.0	4.40	Fine gravel	70.0	2.15	Sand
36.0	4.22	Sand	72.0	2.15	Sand



Table 17.--Cross-section measurements, East Fork River, section B-13--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time 1055; gage height: 3.12 ft]					
--Continued					
74.0	1.95	Sand			
76.0	1.75	Sand			
78.0	1.60	Sand			
80.0	1.80	Sand			
82.0	1.50	Sand			
84.0	1.60	Flood plain			
86.0	0.42	Flood plain			
88.0	0.32	Flood plain			
90.0	0.36	Flood plain			
92.0	0.35	Flood plain			
94.0	0.41	Flood plain			
96.0	0.95	Flood plain			

Table 18.--Cross-section measurements, East Fork River, section B-14

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1510-1516; gage height: -0.20 ft] [Date: May 29, 1975; time: 1510-1516; gage height: -0.20 ft]					
47.0	0.00	Left edge water	--Continued		
48.0	0.35	Fine-medium gravel	82.0	0.40	Coarse gravel
50.0	0.90	Fine-medium gravel	84.0	0.40	Coarse gravel
52.0	1.20	Fine-medium gravel	86.0	0.32	Coarse gravel
54.0	1.22	Fine-medium gravel	88.0	0.32	Coarse gravel
56.0	1.18	Coarse gravel	90.0	0.23	Coarse gravel
58.0	1.11	Coarse gravel	92.0	0.34	Coarse gravel
60.0	1.00	Coarse gravel	94.0	0.34	Coarse gravel
62.0	0.88	Coarse gravel	95.5	0.34	Right edge water
64.0	0.85	Coarse gravel	[Date: June 2, 1975; time: 1654-1659; gage height: 0.41 ft]		
66.0	0.80	Medium-coarse gravel	46.0	0.00	Left edge water, sand
68.0	0.70	Medium-coarse gravel	48.0	1.00	Sand
70.0	0.80	Medium-coarse gravel	50.0	1.58	Sand
72.0	0.80	Coarse gravel	52.0	1.84	Sand over gravel
74.0	0.80	Coarse gravel	54.0	1.91	Gravel
76.0	0.80	Coarse gravel	56.0	1.82	Sand over gravel
78.0	0.46	Coarse gravel	58.0	1.80	Sand over gravel
80.0	0.38	Coarse gravel			

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1654-1659; gage height: 0.41 ft] [Date: June 2, 1975; time: 1654-1659; gage height: 0.41 ft]					
--Continued					
60.0	1.75	Sand over gravel	96.0	0.94	Right edge water
62.0	1.53	Gravel			
64.0	1.55	Gravel	[Date: June 4, 1975; time: 1545; gage height: 1.25 ft]		
66.0	1.52	Gravel	15.0	0.00	Left edge water, back channel
68.0	1.44	Gravel	16.0	0.88	Sand
70.0	1.53	Gravel	18.0	0.82	Sand
72.0	1.42	Gravel	20.0	0.57	Sand
74.0	1.50	Gravel	22.0	0.30	Sand
76.0	1.50	Gravel	23.0	0.10	Sand
78.0	1.28	Gravel	23.6	0.00	Right edge water, back channel
80.0	1.03	Gravel	45.0	0.00	Left edge water, main channel
82.0	1.10	Gravel	46.0	0.70	Sand
84.0	1.02	Gravel	48.0	0.80	Sand
86.0	0.96	Gravel	50.0	2.40	Sand
88.0	0.90	Gravel	52.0	2.35	Sand
90.0	0.92	Gravel	54.0	2.45	Sand
92.0	1.00	Gravel	56.0	2.40	Sand
94.0	1.04	Gravel	58.0	2.54	Sand

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1545; gage height: 1.25 ft]					
--Continued					
60.0	2.55	Gravel	96.0	0.72	Bank
62.0	2.40	Gravel	98.0	0.00	Right edge water, main channel
64.0	2.38	Gravel	[Date: June 6, 1975; time: 1515; gage height: 2.55 ft]		
66.0	2.36	Gravel	14.0	0.00	Left edge water, back channel
68.0	2.30	Gravel	15.0	1.60	Sand
70.0	2.28	Gravel	16.0	2.04	Sand
72.0	2.30	Gravel	18.0	2.26	Sand
74.0	2.30	Gravel	20.0	2.65	Sand
76.0	2.24	Gravel	22.0	2.32	Sand
78.0	1.98	Gravel	24.0	1.10	Sand
80.0	1.87	Gravel	26.0	0.38	Sand
82.0	1.80	Gravel	27.0	0.00	Right edge water, back channel
84.0	1.82	Gravel	44.0	0.00	Left edge water, main channel
86.0	1.80	Gravel	45.0	1.25	Bank
88.0	1.66	Gravel	46.0	1.98	Bank
90.0	1.80	Gravel	48.0	3.40	Sand
92.0	1.80	Gravel	50.0	3.70	Sand
94.0	1.82	Gravel			

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1515; gage height: 2.55 ft]					
--Continued					
52.0	3.75	Sand	88.0	3.05	Gravel
54.0	3.70	Sand	90.0	3.08	Gravel
56.0	4.00	Sand	92.0	3.26	Gravel
58.0	3.80	Sand in dunes	94.0	3.24	Gravel
60.0	3.85	Sand in dunes	96.0	3.20	Bank edge
62.0	3.85	Sand over gravel	97.0	1.60	Bank
64.0	3.84	Gravel	98.0	1.40	Bank
66.0	3.70	Gravel	100.0	1.12	Bank
68.0	3.64	Gravel	102.0	0.70	Bank
70.0	3.66	Gravel	103.0	0.00	Right edge water, main channel
72.0	3.70	Gravel			
74.0	3.70	Gravel			
76.0	3.73	Gravel			
78.0	3.45	Gravel			
80.0	3.18	Gravel	5.0	0.00	Left edge water, back channel
82.0	3.20	Gravel	8.0	0.25	Flood plain
84.0	3.15	Gravel	10.0	0.35	Flood plain
86.0	3.10	Gravel	12.0	0.32	Flood plain
[Date: June 7, 1975; time: 1535; gage height: 3.58 ft]					
----- Small amount of backwater to left of measured section					

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1535; gage height: 3.58 ft]					
--Continued					
14.0	0.60	Flood plain	46.0	2.94	Bank
15.0	2.10	Sand	48.0	4.00	Gravel
16.0	2.70	Sand	50.0	3.92	Sand
18.0	2.85	Sand	52.0	4.15	Sand
20.0	2.92	Sand	54.0	4.60	Sand
22.0	2.88	Sand	56.0	4.12	Sand
24.0	2.05	Sand	58.0	4.20	Sand
26.0	0.95	Island	60.0	4.10	Sand
28.0	0.55	Island	62.0	4.00	Sand
30.0	0.50	Island	64.0	4.22	Sand
32.0	0.55	Island	66.0	4.40	Sand over gravel
34.0	0.60	Island	68.0	4.35	Gravel
36.0	0.62	Island	70.0	4.30	Gravel
38.0	0.90	Island	72.0	4.40	Gravel
40.0	0.54	Island	74.0	4.40	Gravel
41.0	0.00	Right edge water, back channel	76.0	4.44	Gravel
43.5	0.00	Left edge water, main channel	78.0	4.25	Gravel
44.0	0.40	Island	80.0	3.80	Gravel

[Date: June 7, 1975; time: 1535; gage height: 3.58 ft]

--Continued

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1535; gage height: 3.58 ft]					
--Continued					
82.0	3.90	Gravel	22.0	0.40	Sand in ripples
84.0	3.96	Gravel	24.0	0.20	Sand in ripples
86.0	3.90	Gravel	24.9	0.00	Right edge water, back channel
88.0	3.90	Gravel	44.5	0.00	Left edge water, main channel
90.0	3.92	Gravel	45.0	0.40	Bank, sand
92.0	4.00	Gravel	46.0	1.15	Bank, sand
94.0	4.04	Gravel	48.0	2.40	Sand
96.0	2.80	Bank edge	50.0	2.85	Sand
98.0	2.24	Bank	52.0	2.25	Soft sand
100.0	1.84	Bank	54.0	2.20	Soft sand
102.0	1.34	Bank	56.0	2.45	Soft sand
104.0	0.00	Right edge water, main channel	58.0	2.70	Soft sand
[Date: June 10, 1975; time: 1618; gage height: 1.88 ft]					
15.0	0.90	Left edge water, back channel	60.0	2.75	Soft sand
16.0	1.40	Sand	62.0	2.40	Soft sand
18.0	1.30	Sand	64.0	2.10	Soft sand
20.0	0.85	Sand	66.0	2.30	Soft sand
			69.0	2.50	Soft sand

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1618; gage height: 1.88 ft]					
--Continued					
70.0	2.70	Sand	15.0	0.35	Left edge water, back channel
72.0	2.90	Coarse sand	16.0	0.82	Sand
74.0	3.00	Coarse gravel	18.0	0.59	Sand
76.0	3.00	Fine-medium gravel	20.0	0.35	Sand
78.0	2.75	Fine-medium gravel	22.0	0.25	Sand
80.0	2.55	Gravel	23.0	0.00	Right edge water, back channel
82.0	2.55	Gravel	44.6	0.00	Left edge water, main channel
84.0	2.55	Gravel	45.0	0.50	Sand
86.0	2.50	Fine-medium gravel	46.0	1.10	Sand
88.0	2.45	Gravel	48.0	1.80	Sand
90.0	2.40	Fine-medium gravel	50.0	2.00	Sand
92.0	2.50	Gravel	52.0	2.00	Sand
94.0	2.50	Gravel	54.0	2.15	Sand
96.0	1.60	Bank, sand	56.0	1.95	Sand
98.0	0.70	Sand and grass	58.0	1.60	Sand
100.0	0.30	Sand and cobbles	60.0	1.65	Sand
101.9	0.00	Right edge water, main channel	62.0	1.90	Sand
			64.0	2.18	Sand

[Date: June 12, 1975; time: 1610; gage height: 1.18 ft]



Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1610; gage height: 1.18 ft]					
--Continued					
66.0	1.80	Sand	4.0	0.00	Left edge water
68.0	2.00	Sand	6.0	0.35	Flood plain
70.0	2.20	Gravel	8.0	0.60	Flood plain
72.0	2.30	Gravel	10.0	0.60	Flood plain
74.0	2.30	Gravel	12.0	0.50	Flood plain
76.0	2.20	Gravel	14.0	1.00	Flood plain
78.0	2.10	Gravel	16.0	2.95	Sand
80.0	1.85	Gravel	18.0	3.15	Sand
82.0	1.80	Gravel	20.0	3.15	Sand
84.0	1.75	Gravel	22.0	3.17	Sand
86.0	1.70	Gravel	24.0	2.40	Sand
88.0	1.80	Gravel	26.0	1.05	Island
90.0	1.80	Gravel	28.0	0.75	Island
92.0	1.72	Gravel	30.0	0.60	Island
94.0	1.82	Gravel	32.0	0.80	Island
96.0	1.74	Sand	34.0	0.80	Island
97.0	0.25	Bank	38.0	0.90	Island
98.0	0.00	Right edge water, main channel	40.0	0.52	Island
			42.0	0.20	Island

[Date: June 14, 1975; time: 1621; gage height: 3.52 ft]

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1621; gage height: 3.52 ft]					
--Continued					
44.0	1.60	Sand	80.0	4.30	Gravel
46.0	3.35	Sand	82.0	4.10	Gravel
48.0	4.00	Sand	84.0	4.00	Gravel
50.0	4.15	Sand	86.0	4.00	Gravel
52.0	4.50	Sand	88.0	4.10	Gravel
54.0	4.00	Sand	90.0	4.15	Gravel
56.0	4.00	Sand	92.0	4.25	Gravel
58.0	3.85	Sand	94.0	4.20	Gravel
60.0	3.95	Sand	96.0	4.15	Gravel
62.0	4.00	Sand	98.0	2.40	Bank, small amount of sand
64.0	4.00	Sand	100.0	2.05	Bank, small amount of sand
66.0	4.20	Sand	102.0	1.45	Bank, small amount of sand
68.0	4.50	Gravel	104.0	0.20	Right edge water
70.0	4.50	Gravel	[Date: June 17, 1975; time: 1119; gage height: 3.09 ft]		
72.0	4.70	Gravel	12.0	0.10	Left edge water, back channel
74.0	4.70	Gravel	14.0	0.32	Bank
76.0	4.60	Gravel	16.0	2.00	Sand
78.0	4.45	Gravel			

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 1119; gage height: 3.09 ft]					
--Continued					
18.0	2.10	Sand	54.0	3.60	Sand
20.0	2.52	Sand	56.0	3.20	Sand
22.0	2.00	Sand	58.0	3.45	Sand
24.0	1.80	Sand	60.0	3.75	Sand
26.0	0.75	Sand	62.0	3.25	Sand
28.0	0.18	Sand	64.0	3.35	Sand
30.0	0.25	Sand	66.0	3.60	Sand
32.0	0.25	Sand	68.0	3.85	Sand
34.0	0.35	Bank, grass	70.0	4.00	Gravel
36.0	0.72	Bank, grass	72.0	4.10	Gravel
38.0	0.85	Bank, grass	74.0	4.25	Gravel
40.0	0.00	Right edge water, back channel	76.0	4.15	Gravel
43.0	0.60	Left edge water, main channel	78.0	4.00	Gravel
44.0	1.40	Bank	80.0	3.80	Gravel
46.0	2.90	Bank, sand	82.0	3.75	Gravel
48.0	3.45	Sand	84.0	3.70	Gravel
50.0	3.60	Sand	86.0	3.75	Gravel
52.0	4.00	Sand	88.0	3.60	Gravel

[Date: June 17, 1975; time: 1119; gage height: 3.09 ft]

--Continued

Table 18.--Cross-section measurements, East Fork River, section B-14--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 1119; gage height: 3.09 ft]					
--Continued					
90.0	3.70	Gravel			
92.0	3.75	Gravel			
94.0	3.75	Gravel			
96.0	3.55	Gravel			
98.0	2.00	Sand			
100.0	1.72	Sand			
102.0	1.09	Bank			
104.0	0.00	Right edge water, main channel			

Table 19.---Cross-section measurements, East Fork River, section B-15

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1523-1529; gage height: -0.24 ft] [Date: May 29, 1975; time: 1523-1529; gage height: -0.24 ft]					
6.0	0.52	Left edge water	---Continued		
8.0	0.78	Bank material	62.0	0.88	Fine-medium gravel
10.0	1.34	Fine-medium gravel	64.0	1.02	Fine-medium gravel
12.0	1.22	Fine-medium gravel	66.0	1.11	Fine-medium gravel
14.0	1.20	Fine-medium gravel	68.0	1.30	Fine-medium gravel
16.0	1.23	Fine-medium gravel	70.0	1.30	Fine-medium gravel
18.0	1.20	Fine-medium gravel	72.0	1.24	Fine-medium gravel
20.0	1.30	Fine-medium gravel	74.0	1.03	Fine-medium gravel
22.0	1.20	Fine-medium gravel	76.0	0.92	Fine-medium gravel
24.0	0.72	Fine-medium gravel	78.0	0.44	Fine-medium gravel
26.0	0.32	Fine-medium gravel	79.0	0.00	Right edge water
27.5	0.00	Edge water, bar	[Date: June 2, 1975; time: 1704-1710; gage height: 0.66 ft]		
50.0	0.00	Edge water, bar	6.0	1.50	Silt over gravel
52.0	0.54	Fine-medium gravel	8.0	1.57	Silt over gravel
54.0	0.72	Fine-medium gravel	10.0	2.30	Gravel
56.0	0.89	Fine-medium gravel	12.0	2.20	Gravel
58.0	0.84	Fine-medium gravel	14.0	2.15	Gravel
60.0	0.78	Fine-medium gravel	16.0	2.18	Gravel
			18.0	2.12	Gravel

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1704-1710; gage height: 0.66 ft] [Date: June 2, 1975; time: 1704-1710; gage height: 0.66 ft]					
--Continued			--Continued		
20.0	2.28	Fine gravel	52.0	1.39	Fine-medium gravel
22.0	2.05	Fine gravel	54.0	1.63	Fine-medium gravel
24.0	1.62	Fine gravel	56.0	1.60	Fine-medium gravel
26.0	1.22	Fine gravel	58.0	1.60	Fine-medium gravel
28.0	0.91	Fine gravel	60.0	1.66	Sand
30.0	0.71	Fine-medium gravel	62.0	1.72	Gravel
32.0	0.60	Fine-medium gravel	64.0	1.77	Sand in dunes over gravel
34.0	0.56	Fine-medium gravel	66.0	1.83	Sand in dunes over gravel
36.0	0.50	Fine-medium gravel	68.0	1.98	Sand
38.0	0.46	Fine-medium gravel	70.0	1.92	Sand
40.0	0.47	Fine-medium gravel	72.0	1.90	Sand
42.0	0.53	Fine-medium gravel	74.0	1.69	Sand
44.0	0.60	Fine-medium gravel	76.0	1.72	Sand
46.0	0.72	Fine-medium gravel	78.0	1.22	Sand
48.0	0.80	Fine-medium gravel	80.0	0.45	Sand
50.0	1.02	Fine-medium gravel	81.0	0.00	Right edge water

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1555; gage height: 1.52 ft] [Date: June 4, 1975; time: 1555; gage height: 1.52 ft]					
5.0	0.00	Left edge water	--Continued		
6.0	0.54	Bank	38.0	1.24	Gravel
8.0	2.70	Sand	40.0	1.24	Gravel
10.0	3.00	Sand	42.0	1.26	Gravel
12.0	3.02	Sand	44.0	1.35	Gravel
14.0	2.92	Sand	46.0	1.42	Gravel
16.0	3.10	Fine gravel	48.0	1.40	Sand over gravel
18.0	3.12	Sand and gravel	50.0	1.30	Sand
20.0	3.20	Sand and gravel	52.0	1.30	Sand
22.0	2.94	Gravel	54.0	1.18	Sand
24.0	2.40	Gravel	56.0	1.23	Sand
26.0	2.10	Gravel	58.0	1.32	Sand
28.0	1.76	Gravel	60.0	1.56	Sand
30.0	1.54	Gravel	62.0	1.70	Sand
32.0	1.42	Gravel	64.0	1.96	Sand
34.0	1.33	Gravel	66.0	1.84	Sand
36.0	1.28	Gravel	68.0	1.90	Sand

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1555; gage height: 1.52 ft]					
--Continued					
70.0	1.88	Sand	18.0	4.50	Gravel
72.0	1.74	Sand	20.0	4.50	Gravel
74.0	1.86	Sand	22.0	4.18	Gravel
76.0	1.60	Sand	24.0	3.86	Gravel
78.0	1.48	Sand	26.0	3.35	Gravel
80.0	1.20	Sand	28.0	3.14	Gravel
82.0	0.40	Sand	30.0	2.95	Gravel
82.6	0.00	Right edge water	32.0	2.80	Gravel
[Date: June 6, 1975; time: 1532; gage height: 2.86 ft]					
4.0	1.20	Left edge water	34.0	2.70	Gravel
6.0	2.04	Bank	36.0	2.64	Gravel
8.0	4.10	Gravel	38.0	2.60	Gravel
10.0	4.45	Hard-bottom (Wasatch formation?)	40.0	2.54	Gravel
12.0	4.48	Hard-bottom (Wasatch formation?)	42.0	2.66	Gravel
14.0	4.32	Hard-bottom (Wasatch formation?)	44.0	2.60	Gravel
16.0	4.50	Hard-bottom (Wasatch formation?)	46.0	2.56	Sand
			48.0	2.50	Sand
			50.0	2.40	Sand



Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1532; gage height: 2.86 ft] [Date: June 7, 1975; time: 1530; gage height: 3.65 ft]					
--Continued					
52.0	2.25	Sand	3.0	0.00	Left edge water
54.0	2.35	Sand	6.0	2.80	Bank
56.0	2.80	Sand	8.0	5.00	-----
58.0	2.50	Sand	10.0	5.10	Hard bottom
60.0	2.55	Sand, dune crest	12.0	5.15	Gravel
62.0	2.60	Sand	14.0	5.10	Gravel
64.0	2.65	Sand	16.0	5.20	Gravel
66.0	3.06	Sand	18.0	5.24	Gravel
68.0	2.85	Sand	20.0	5.24	Gravel
70.0	2.90	Sand	22.0	5.10	Gravel
72.0	3.04	Sand	24.0	4.75	Gravel
74.0	2.70	Sand	26.0	4.32	Gravel
76.0	2.85	Sand	28.0	4.00	Gravel
78.0	2.60	Sand	30.0	3.65	Gravel
80.0	2.32	Sand	32.0	3.50	Gravel
82.0	1.48	Sand	34.0	3.38	Gravel
83.0	1.00	Right edge water	36.0	3.24	Gravel
			38.0	3.13	Gravel

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1530; gage height: 3.65 ft] [Date: June 7, 1975; time: 1530; gage height: 3.65 ft]					
--Continued			--Continued		
40.0	3.10	Sand	76.0	3.40	Sand
42.0	3.32	Sand	78.0	3.22	Sand
44.0	3.50	Sand	80.0	2.95	Sand
46.0	3.50	Fine gravel	82.0	2.44	Sand
48.0	3.32	Sand	83.3	1.52	Right edge water
50.0	3.20	Sand	----	----	Backwater to right of measured
52.0	3.24	Sand			section
54.0	2.95	Sand			
56.0	2.68	Sand			
[Date: June 10, 1975; time: 1625; gage height: 2.18 ft]					
58.0	2.62	Sand	4.0	0.30	Left edge water
60.0	2.75	Sand	5.0	0.90	Bank
62.0	2.50	Sand	6.0	1.70	Sand
64.0	2.70	Sand	8.0	3.20	Soft sand
66.0	3.10	Sand	10.0	3.75	Armor
68.0	3.04	Sand	12.0	3.70	Armor
70.0	3.30	Sand	14.0	3.70	Fine-grained armor
72.0	3.00	Sand	16.0	3.75	Hard-bottom
74.0	3.65	Sand in dune	18.0	3.75	Hard-bottom
			20.0	3.90	Armor

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1635; gage height: 2.18 ft] [Date: June 10, 1975; time: 1625; gage height: 2.18 ft]					
--Continued			--Continued		
22.0	3.65	Coarse sand	56.0	1.75	Coarse sand
24.0	3.30	Coarse sand	58.0	1.70	Coarse sand
26.0	2.80	Coarse sand	60.0	2.00	Coarse sand
28.0	2.50	Coarse sand	62.0	1.50	Coarse sand in dunes
30.0	2.30	Coarse sand-fine gravel	64.0	1.85	Coarse sand in dunes
32.0	2.00	Coarse sand	66.0	1.90	Coarse sand in dunes
34.0	1.90	Coarse sand	68.0	1.10	Coarse sand in dunes, trough
36.0	1.80	Coarse sand	70.0	0.85	Coarse sand, dune slip face
38.0	1.80	Coarse sand	72.0	0.65	Coarse sand, dune crest
40.0	1.80	Coarse sand	74.0	1.10	Coarse sand, dune trough
42.0	1.80	Coarse sand	76.0	1.40	Coarse sand
44.0	1.70	Coarse sand	78.0	1.05	Sand
46.0	1.60	Coarse sand	80.0	0.90	Sand
48.0	1.70	Coarse sand	82.0	0.75	Sand
50.0	1.65	Coarse sand	83.5	0.40	Right edge water
52.0	1.80	Coarse sand			
54.0	1.90	Coarse sand			

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1615; gage height: 1.54 ft] [Date: June 12, 1975; time: 1615; gage height: 1.54 ft]					
--Continued					
5.0	0.20	Left edge water			
6.0	1.10	Bank	38.0	1.40	Gravel
8.0	2.75	Sand	40.0	1.40	Gravel
10.0	3.05	Hard bed	42.0	1.32	Gravel
12.0	3.00	Hard bed	44.0	1.40	Gravel
14.0	3.00	Hard bed	46.0	1.40	Gravel
16.0	3.12	Hard bed	48.0	1.30	Sand
18.0	3.10	Hard bed	50.0	1.25	Sand
20.0	3.25	Gravel	52.0	1.42	Sand
22.0	2.90	Gravel	54.0	1.44	Sand
24.0	2.40	Gravel	56.0	1.42	Sand
26.0	2.10	Gravel	58.0	1.50	Sand
28.0	1.80	Gravel	60.0	1.40	Sand
30.0	1.60	Gravel	62.0	1.60	Sand
32.0	1.36	Gravel	64.0	1.20	Sand
34.0	1.25	Gravel	66.0	0.60	Sand
36.0	1.38	Gravel	68.0	0.55	Sand

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1615; gage height: 1.54 ft] [Date: June 14, 1975; time: 1625; gage height: 3.84 ft]					
--Continued					
70.0	0.50	Sand	18.0	5.45	Hard bed
72.0	0.80	Sand	20.0	5.50	Hard bed
74.0	0.90	Sand	22.0	5.25	Gravel
76.0	0.90	Sand	24.0	5.40	Gravel
78.0	1.25	Sand	26.0	4.80	Gravel
80.0	0.90	Sand	28.0	4.00	Gravel
82.0	0.00	Right edge water	30.0	3.80	Gravel
[Date: June 14, 1975; time: 1625; gage height: 3.84 ft]					
3.0	0.00	Left edge water	32.0	3.55	Gravel
4.0	0.40	Bank	34.0	3.60	Gravel
6.0	5.60	Hard bed	36.0	3.70	Gravel
8.0	5.00	Hard bed	38.0	3.70	Gravel
10.0	5.30	Hard bed	40.0	3.50	Gravel
12.0	5.25	Hard bed	42.0	3.60	Sand
14.0	5.20	Hard bed	44.0	3.45	Sand
16.0	5.40	Hard bed	46.0	3.40	Sand
			48.0	3.00	Sand
			50.0	2.90	Sand

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 14, 1975; time: 1625; gage height: 3.84 ft] [Date: June 17, 1975; time: 1126; gage height: 3.44 ft]					
--Continued					
52.0	2.75	Sand	4.0	1.60	Left edge water
54.0	2.70	Sand	6.0	2.30	Hard bed
56.0	2.65	Sand	8.0	4.90	Hard bed
58.0	2.90	Sand	10.0	4.90	Hard bed
60.0	3.10	Sand	12.0	4.80	Hard bed
62.0	2.75	Sand	14.0	4.80	Hard bed
64.0	2.70	Sand	16.0	5.00	Hard bed
66.0	3.00	Sand	18.0	5.00	Hard bed
68.0	3.05	Sand	20.0	5.10	Hard bed
70.0	2.95	Sand	22.0	5.00	Gravel
72.0	3.50	Sand	24.0	4.50	Gravel
74.0	3.50	Sand	26.0	4.10	Gravel
76.0	3.70	Sand	28.0	3.50	Gravel
78.0	3.50	Sand	30.0	3.35	Gravel
80.0	3.00	Sand	32.0	3.25	Gravel
82.0	2.40	Sand	34.0	3.10	Gravel
84.0	0.30	Right edge water	36.0	3.25	Gravel
			38.0	3.00	Sand

Table 19.--Cross-section measurements, East Fork River, section B-15--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 17, 1975; time: 1126; gage height: 3.44 ft] [Date: June 17, 1975; time: 1126; gage height: 3.44 ft]					
--Continued					
40.0	3.00	Sand and fine gravel	74.0	2.05	Sand
42.0	2.70	Sand	76.0	1.80	Sand
44.0	2.85	Sand	78.0	1.60	Sand
46.0	2.75	Sand	80.0	1.65	Sand
48.0	2.30	Sand	82.0	1.75	Sand
50.0	2.10	Sand	84.0	1.60	Right edge water, sand
52.0	2.05	Sand			
54.0	2.52	Sand			
56.0	2.60	Sand			
58.0	2.50	Sand			
60.0	2.42	Sand			
62.0	2.45	Sand			
64.0	2.05	Sand			
66.0	2.14	Sand			
68.0	2.18	Sand			
70.0	2.30	Sand			
72.0	2.20	Sand			

Table 20.--Cross-section measurements, East Fork River, section B-16

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: May 29, 1975; time: 1543-1550; gage height: -0.15 ft] [Date: May 29, 1975; time: 1543-1550; gage height: -0.15 ft]					
14.0	1.00	Left edge water, medium-coarse gravel	--Continued		
16.0	1.02	Medium-coarse gravel	74.0	1.32	Medium-coarse gravel
18.0	1.02	Medium-coarse gravel	76.0	1.25	Medium-coarse gravel
20.0	1.00	Medium-coarse gravel	78.0	1.24	Medium-coarse gravel
22.0	0.84	Medium-coarse gravel	80.0	1.23	Medium-coarse gravel
24.0	0.60	Medium-coarse gravel	82.0	1.07	Medium-coarse gravel
26.0	0.52	Small amount of sand over gravel	84.0	0.73	Medium-coarse gravel
28.0	0.46	Small amount of sand over gravel	86.0	0.42	Right edge water
30.0	0.32	Sand	[Date: June 2, 1975; time: 1715-1722; gage height: 0.75 ft]		
32.0	0.24	Sand	14.0	1.89	Gravel
33.0	0.00	Right edge water, bar	16.0	1.92	Gravel
60.0	0.00	Left edge water, bar	18.0	1.87	Gravel
62.0	0.36	-----	20.0	1.82	Gravel
64.0	0.65	-----	22.0	1.79	Gravel
66.0	0.72	Streaks of sand over gravel	24.0	1.52	Gravel
68.0	1.00	Medium-coarse gravel	26.0	1.42	Gravel
70.0	1.10	Medium-coarse gravel	28.0	1.30	Gravel
72.0	1.18	Medium-coarse gravel	30.0	1.30	Gravel



Table 20.--Cross-section measurements, East Fork River, section B-16--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 2, 1975; time: 1715-1722; gage height: 0.75 ft]					
--Continued					
32.0	1.20	Gravel	68.0	1.91	Sand and gravel
34.0	0.82	Sand	70.0	2.03	Sand and gravel
36.0	0.67	Sand	72.0	2.13	Sand and gravel
38.0	0.42	Sand	74.0	2.17	Sand and gravel
40.0	0.30	Sand	76.0	2.10	Sand and gravel
42.0	0.15	Sand and gravel	78.0	2.09	Sand over gravel
44.0	0.20	Sand and gravel	80.0	2.10	Sand over gravel
46.0	0.21	Sand and gravel	82.0	1.95	Sand over gravel
48.0	0.05	Sand and gravel	84.0	1.60	Sand over gravel
50.0	0.00	Sand and gravel	86.0	1.25	Sand over gravel
52.0	0.02	Sand and gravel	[Date: June 4, 1975; time: 1615-1625; gage height: 1.64 ft]		
54.0	0.08	Sand and gravel	8.0	0.00	Left edge water
56.0	0.12	Sand and gravel	10.0	0.42	Bank
58.0	0.42	Sand and gravel	12.0	0.77	Bank
60.0	0.97	Sand and gravel	14.0	2.68	Gravel
62.0	1.24	Sand and gravel	16.0	2.80	Gravel
64.0	1.58	Sand and gravel	18.0	2.60	Gravel
66.0	1.85	Sand and gravel			

Table 20.--Cross-section measurements, East Fork River, section B-16--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 4, 1975; time: 1615-1625; gage height: 1.64 ft] [Date: June 4, 1975; time: 1615-1625; gage height: 1.64 ft]					
--Continued					
20.0	2.54	Gravel	56.0	1.04	Gravel
22.0	2.53	Gravel	58.0	1.50	Gravel
24.0	2.40	Gravel	60.0	1.82	Gravel
26.0	2.40	Gravel	62.0	2.04	Gravel
28.0	2.20	Gravel	64.0	2.25	Sand
30.0	2.28	Gravel	66.0	2.30	Sand
32.0	2.03	Sand	68.0	2.42	Sand
34.0	1.70	Sand	70.0	3.00	Gravel
36.0	1.60	Sand	72.0	2.88	Sand over gravel
38.0	1.33	Sand	74.0	2.76	Sand
40.0	1.18	Gravel	76.0	2.90	Sand
42.0	1.12	Gravel	78.0	2.84	Sand
44.0	1.10	Gravel	80.0	2.28	Sand
46.0	1.07	Gravel	82.0	2.70	Sand
48.0	1.01	Gravel	84.0	2.43	Sand
50.0	1.04	Gravel	86.0	0.47	Sand
52.0	1.06	Gravel	86.4	0.00	Right edge water
54.0	1.02	Gravel			

Table 20.---Cross-section measurements, East Fork River, section B-16---Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1555; gage height: 3.00 ft]					
1.0	0.00	Left edge water	[Date: June 6, 1975; time: 1555; gage height: 3.00 ft]		
4.0	0.55	Flood plain	---Continued		
6.0	0.62	Flood plain	38.0	2.80	Sand
8.0	1.20	Flood plain	40.0	2.66	Sand
10.0	1.90	Sand	42.0	2.46	Sand
12.0	2.20	Sand	44.0	2.43	Fine gravel
14.0	4.10	Sand	46.0	2.50	Gravel
16.0	4.14	Gravel	48.0	2.40	Gravel
18.0	4.00	Gravel	50.0	2.48	Gravel
20.0	3.90	Gravel	52.0	2.43	Gravel
22.0	3.87	Gravel	54.0	2.44	Gravel
24.0	3.80	Gravel	56.0	2.46	Gravel
26.0	3.71	Gravel	58.0	2.66	Gravel
28.0	3.69	Gravel	60.0	2.70	Sand
30.0	3.65	Gravel	62.0	2.85	Sand
32.0	3.54	Gravel	64.0	3.10	Sand
34.0	3.20	Gravel	66.0	3.37	Sand
36.0	3.00	Gravel	68.0	3.60	Sand
			70.0	4.00	Sand

Table 20.--Cross-section measurements, East Fork River, section B-16--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 6, 1975; time: 1555; gage height: 3.00 ft]					
--Continued					
72.0	4.34	Sand	----	----	Backwater with very low flow
74.0	4.00	Sand			extending ~ 150 ft to right of
76.0	4.02	Sand			measured section
78.0	4.04	Sand			
80.0	4.00	Sand			
82.0	3.92	Sand			
84.0	3.70	Sand			
86.0	3.54	Bank edge			
87.0	1.24	Flood plain	-6.0	0.00	Left edge water
88.0	0.95	Flood plain	0.0	0.70	Road embankment
90.0	0.76	Flood plain	2.0	0.82	Road embankment
92.0	0.50	Flood plain	4.0	1.22	Flood plain
94.0	1.00	Flood plain	6.0	1.43	Flood plain
96.0	0.94	Flood plain	10.0	2.50	Flood plain
98.0	0.94	Flood plain	12.0	2.90	Flood plain
100.0	1.10	Flood plain	14.0	4.70	Bank edge, sand
102.0	0.55	Flood plain	16.0	4.80	Gravel
105.0	0.20	Flood plain	18.0	4.72	Gravel
			20.0	4.65	Gravel
			22.0	4.55	Gravel
			24.0	4.48	Gravel

[Date: June 7, 1975; time: 1600; gage height: 3.71 ft]

Table 20.--Cross-section measurements, East Fork River, section B-16--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1600; gage height: 3.71 ft] [Date: June 7, 1975; time: 1600; gage height: 3.71 ft]					
--Continued					
26.0	4.40	Gravel	62.0	3.92	Sand
28.0	4.40	Gravel	64.0	4.30	Sand
30.0	4.30	Gravel	66.0	4.36	Sand
32.0	4.22	Gravel	68.0	4.38	Sand
34.0	3.98	Gravel	70.0	4.40	Sand
36.0	3.64	Gravel	72.0	4.52	Sand
38.0	3.60	Gravel	74.0	4.74	Sand
40.0	3.37	Gravel	76.0	4.75	Sand
42.0	3.22	Gravel	78.0	4.62	Sand
44.0	3.12	Gravel	80.0	4.58	Sand
46.0	3.20	Gravel	82.0	4.50	Sand
48.0	3.14	Gravel	84.0	4.34	Sand
50.0	3.08	Gravel	86.0	4.02	Bank edge
52.0	3.10	Gravel	87.0	1.90	Flood plain
54.0	3.14	Gravel	88.0	1.70	Flood plain
56.0	3.12	Gravel	90.0	1.50	Flood plain
58.0	3.40	Gravel	92.0	1.32	Flood plain
60.0	3.75	Sand	94.0	1.15	Flood plain

Table 20.--Cross-section measurements, East Fork River, section B-16--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 7, 1975; time: 1600; gage height: 3.71 ft]					
--Continued					
96.0	1.54	Flood plain	24.0	3.00	Gravel and sand
98.0	1.70	Flood plain	26.0	3.00	Gravel and sand
100.0	1.72	Flood plain	28.0	2.90	Gravel
105.0	0.92	Flood plain	30.0	2.85	Gravel
----	----	Considerable water, mostly backwater on flood plain to right of measured section	32.0	2.70	Gravel and sand
			34.0	2.35	Gravel and sand
			36.0	2.15	Coarse sand and gravel
[Date: June 10, 1975; time: 1655; gage height: 2.23 ft]					
6.0	0.00	Left edge water	38.0	2.00	Fine gravel and coarse sand
8.0	0.40	Flood plain	40.0	1.80	Sand-gravel
10.0	1.05	Soft sand and grass	42.0	1.70	Sand-gravel
12.0	1.50	Sand and grass	44.0	1.70	Sand-gravel
13.0	1.70	Sand and grass	46.0	1.65	Sand-gravel
14.0	3.15	Sand and grass	48.0	1.60	Sand-gravel
16.0	3.30	Coarse sand	50.0	1.60	Sand-gravel
18.0	3.25	Gravel	52.0	1.60	Sand-gravel
20.0	3.25	Gravel	54.0	1.55	Sand-gravel
22.0	3.20	Gravel	56.0	1.60	Sand-gravel
			58.0	1.60	Sand-gravel

Table 20.--Cross-section measurements, East Fork River, section B-16--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 10, 1975; time: 1655; gage height: 2.23 ft]					
--Continued					
60.0	2.00	Coarse sand in dune	-----	-----	Small amount of quiescent
62.0	2.65	Coarse sand in dune, trough			backwater to right of measured
64.0	2.50	Coarse, soft sand			section
66.0	2.50	Coarse, soft sand			
68.0	2.45	Soft sand			
70.0	2.65	Soft sand			
72.0	2.85	Sand			
74.0	2.90	Sand			
76.0	3.20	Soft sand			
78.0	3.35	Sand			
80.0	3.00	Soft sand			
82.0	2.75	Soft sand			
84.0	2.55	Soft sand			
85.0	2.45	Soft sand			
86.0	0.70	Bank			
87.8	0.00	Right edge water			
[Date: June 12, 1975; time: 1630; gage height: 1.51 ft]					
			9.0	0.00	Left edge water
			10.0	0.50	Flood plain
			12.0	0.70	Flood plain
			14.0	2.50	Gravel
			16.0	2.55	Gravel
			18.0	2.54	Gravel
			20.0	2.40	Gravel
			22.0	2.40	Gravel
			24.0	2.30	Gravel
			26.0	2.20	Gravel
			28.0	2.20	Gravel

Table 20.--Cross-section measurements, East Fork River, section B-16--Continued

Station (ft)	Depth (ft)	Remarks	Station (ft)	Depth (ft)	Remarks
[Date: June 12, 1975; time: 1630; gage height: 1.51 ft]			[Date: June 12, 1975; time: 1630; gage height: 1.51 ft]		
--Continued			--Continued		
30.0	2.10	Gravel	66.0	1.70	Sand
32.0	1.95	Gravel	68.0	1.90	Sand
34.0	1.60	Gravel	70.0	1.50	Sand
36.0	1.45	Gravel	72.0	1.90	Sand
38.0	1.20	Gravel	74.0	2.24	Sand
40.0	1.10	Gravel	76.0	2.20	Sand
42.0	0.92	Gravel	78.0	2.06	Sand
44.0	0.90	Gravel	80.0	2.32	Sand
46.0	0.95	Gravel	82.0	2.10	Sand
48.0	0.90	Gravel	84.0	1.80	Sand
50.0	0.95	Gravel	86.0	0.05	Right edge water
52.0	1.00	Gravel			
54.0	0.90	Gravel			
56.0	0.90	Gravel			
58.0	1.15	Gravel			
60.0	1.35	Gravel			
62.0	1.40	Fine gravel			
64.0	1.50	Sand and fine gravel			



Table 21.--Miscellaneous staff-gage readings for the period

May 22-June 18, 1975

[Data are presented to supplement tables 2-20 for days on  
which not all sections or no sections were sounded.]

Date	May 22, 1975		May 23, 1975		May 24, 1975		May 28, 1975	
	Gage		Gage		Gage		Gage	
Section	Time	height	Time	height	Time	height	Time	height
		(ft)		(ft)		(ft)		(ft)
B-1	----	-----	----	-----	----	-----	1200	0.30
B-2	1540	0.05	----	-----	1130	(-)0.05	1215	.00
B-3	1630	.06	0900	(-)0.04	1135	(-) .10	1250	(-) .03
B-4	----	-----	0945	.14	1140	.13	----	-----
B-5E	----	-----	1110	.02	1230	.02	1340	.04
B-6	----	-----	1200	.15	1300	.15	1410	.15
B-7	----	-----	1420	.20	1325	.20	1440	.20
B-8	----	-----	1500	.11	1510	.11	1500	.10
B-9	----	-----	1555	.09	1525	.05	1525	.03
B-10	----	-----	1605	.10	1540	.07	1545	.10
B-11	----	-----	1625	.32	1550	.28	1615	.29
B-12	----	-----	1655	.56	1620	.49	1640	.50
B-13	0955	.08	1712	(-) .10	1630	(-) .14	1710	(-) .14
B-14	1055	(-) .02	1720	(-) .08	1645	(-) .12	1740	(-) .14
B-15	1300	.05	1730	(-) .04	1700	(-) .15	1750	(-) .13
B-16	----	-----	----	-----	----	-----	----	-----
B-17	----	-----	1800	.22	1715	.15	1800	.17

Table 21.--Miscellaneous staff-gage readings for the period

May 22-June 18, 1975--Continued

[Data are presented to supplement tables 2-20 for days on  
which not all sections or no sections were sounded.]

Date	June 5, 1975		June 6, 1975		June 8, 1975		June 9, 1975	
		Gage		Gage		Gage		Gage
Section	Time	height (ft)	Time	height (ft)	Time	height (ft)	Time	height (ft)
B-1	1030	1.84	1800	2.29	0930	2.90	1130	2.87
B-2	1030	1.47	1758	2.08	0940	2.78	-----	-----
B-3	1035	1.45	1756	2.02	0950	2.75	1150	2.70
B-4	1038	1.69	1755	2.38	0951	3.16	1152	3.10
B-5E	1114	1.62	1755	2.40	1010	3.49	-----	-----
B-6	1123	1.75	1753	2.51	1015	3.34	1300	3.22
B-7	1131	2.19	1751	3.00	1022	3.77	-----	-----
B-8	1139	2.14	1750	2.94	1030	3.56	1340	3.40
B-9	1143	1.95	-----	-----	1035	3.40	-----	-----
B-10	1149	2.10	1730	2.93	1030	3.63	1430	3.49
B-11	1250	2.12	-----	-----	1059	3.39	-----	-----
B-12	1259	2.18	-----	-----	1102	3.57	1505	3.40
B-13	1302	1.65	-----	-----	1108	3.42	-----	-----
B-14	1314	1.36	-----	-----	1121	4.36	1535	3.15
B-15	1318	1.64	-----	-----	1128	3.70	1540	3.49
B-16	1323	1.78	-----	-----	1131	3.77	-----	-----
B-17	1332	1.97	1700	3.05	1130	3.86	1600	3.62

Table 21.--Miscellaneous staff-gage readings for the period

May 22-June 18, 1975--Continued

[Data are presented to supplement tables 2-20 for days on  
which not all sections or no sections were sounded.]

Date	June 11, 1975		June 13, 1975		June 15, 1975		June 18, 1975	
Section	Time	Gage	Time	Gage	Time	Gage	Time	Gage
		height		height		height		height
		(ft)		(ft)		(ft)		(ft)
B-1	1300	1.36	1140	2.36	1300	2.99	1205	1.85
B-2	1320	.94	1150	2.08	1325	2.89	1200	1.54
B-3	1325	.99	1155	2.04	1327	2.86	1155	1.54
B-4	1327	1.19	1158	2.41	1327	3.28	1155	1.86
B-5E	1330	1.25	1200	2.38	1329	3.29	1145	1.86
B-6	1332	1.40	1250	2.49	1333	3.48	1140	1.98
B-7	1340	1.84	1255	2.85	1335	3.89	1130	2.44
B-8	1345	1.79	1330	2.81	1342	3.93	1113	2.40
B-9	1348	1.75	1335	2.70	1345	3.58	1010	3.35
B-10	1355	1.80	1440	2.85	1352	3.78	1058	2.46
B-11	1438	1.92	1445	2.79	1435	3.63	1050	2.58
B-12	1442	1.90	1450	2.87	1440	3.67	1040	2.56
B-13	1446	1.36	1455	2.42	1445	3.72	1030	1.98
B-14	1452	1.13	1500	2.20	1448	3.68	1015	1.80
B-15	1456	1.44	1505	2.50	1450	3.98	1005	2.10
B-16	1500	1.44	1510	2.54	1452	4.07	1000	2.12
B-17	1500	1.75	1530	2.73	1500	4.08	1000	2.46

Table 22.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-1.

Date	Time		Gage height at half-hour increments during time interval															
	Interval	(hour)	(feet X 10 <sup>2</sup> )															
5-28-75	0000-0530	025	025	026	027	028	029	030	030	031	032	032	032	032	031	030	032	032
	0600-1130	033	033	033	033	032	032	032	032	031	031	031	031	031	031	030	031	030
	1200-1730	030	029	028	028	026	025	025	024	024	023	022	022	022	024	021	022	021
	1800-2330	021	020	018	016	015	014	014	014	015	015	015	015	015	015	016	015	016
5-29-75	0000-0530	016	017	017	018	019	019	020	020	021	021	021	021	021	021	021	021	021
	0600-1130	021	021	021	021	020	020	020	020	019	019	018	018	018	019	018	018	018
	1200-1730	017	017	016	016	015	014	014	013	014	015	015	015	015	014	016	016	016
	1800-2330	017	017	017	017	017	017	016	015	014	013	013	013	011	010	010	010	010
5-30-75	0000-0530	009	009	009	011	017	017	020	022	024	025	026	026	028	028	028	028	028
	0600-1130	028	028	028	028	028	028	027	027	025	024	024	024	024	025	028	024	023
	1200-1730	023	022	022	021	020	020	019	019	018	019	019	019	024	024	019	019	019
	1800-2330	019	019	019	019	019	019	020	020	020	021	021	021	021	020	022	022	022
5-31-75	0000-0530	021	020	020	021	023	023	025	027	029	030	031	032	032	030	033	032	033
	0600-1130	033	034	034	034	034	034	034	033	032	032	032	032	032	032	031	031	031
	1200-1730	030	029	029	029	028	028	028	027	026	026	027	027	027	026	026	027	026
	1800-2330	026	024	022	021	021	021	021	022	024	026	029	032	032	032	035	032	035
6- 1-75	0000-0530	037	040	044	047	049	049	053	055	057	059	060	062	062	059	063	062	063
	0600-1130	063	062	061	060	060	060	059	059	058	056	056	055	055	056	054	055	054
	1200-1730	053	053	053	054	055	055	057	059	059	059	059	059	059	059	056	056	053
	1800-2330	052	050	050	050	051	051	053	055	058	061	064	070	070	064	077	070	077

Table 22.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-1  
 --Continued.

Date	Time		Gage height at half-hour increments during time interval															
	interval	(hour)	(feet X 10 <sup>2</sup> )															
6- 2-75	0000-0530	083	087	094	098	102	107	110	112	114	115	115	115	115	115	115	115	115
	0600-1130	115	114	113	112	111	110	110	108	107	106	106	104	104	102	102	102	102
	1200-1730	101	100	099	097	096	096	095	095	093	092	092	092	092	092	092	092	092
	1800-2330	092	092	092	093	094	094	096	098	101	104	104	108	108	113	113	113	113
6- 3-75	0000-0530	118	124	127	130	132	134	136	138	139	141	141	143	143	145	145	145	145
	0600-1130	147	149	151	154	156	156	157	156	156	155	155	154	154	153	153	153	153
	1200-1730	151	150	149	148	147	146	145	145	144	144	144	144	144	143	143	143	143
	1800-2330	143	143	143	144	145	146	149	152	156	159	159	161	161	164	164	164	164
6- 4-75	0000-0530	166	169	171	175	176	179	180	182	183	183	183	183	183	183	183	183	183
	0600-1130	182	181	180	179	176	174	172	169	167	164	164	163	163	161	161	161	161
	1200-1730	160	158	158	157	158	157	157	156	156	155	155	155	155	155	155	155	155
	1800-2330	155	155	155	156	156	158	160	161	163	166	166	169	169	172	172	172	172
6- 5-75	0000-0530	175	178	180	183	186	188	191	193	194	195	195	196	196	197	197	197	197
	0600-1130	198	198	197	196	195	194	192	190	187	184	184	181	181	177	177	177	177
	1200-1730	175	171	167	164	162	160	159	159	158	158	158	157	157	155	155	155	155
	1800-2330	154	154	155	156	159	165	172	178	187	194	194	200	200	208	208	208	208
6- 6-75	0000-0530	214	221	225	229	234	238	244	247	252	254	254	259	259	261	261	261	261
	0600-1130	263	265	266	267	267	266	265	264	263	262	262	261	261	259	259	259	259
	1200-1730	258	257	256	255	253	250	247	241	238	235	235	232	232	230	230	230	230
	1800-2330	229	229	231	233	235	238	241	244	248	251	251	254	254	259	259	259	259

Table 22.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-1  
--Continued.

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )														
		261	264	266	269	272	274	276	278	280	281	283	284	286	287	288
6- 7-75	0000-0530	261	264	266	269	272	274	276	278	280	281	283	284	286	287	288
	0600-1130	286	286	287	289	290	290	290	290	290	290	290	290	291	291	291
	1200-1730	290	289	288	287	286	285	285	284	283	282	282	282	282	282	282
	1800-2330	281	281	281	280	280	280	280	280	280	281	281	281	281	281	281
6- 8-75	0000-0530	282	282	282	282	283	283	283	284	284	285	285	285	286	286	286
	0600-1130	286	287	288	288	288	289	289	290	290	290	290	290	290	290	290
	1200-1730	289	288	288	287	287	286	285	284	283	282	281	281	280	280	280
	1800-2330	279	279	278	277	277	277	277	278	278	279	279	279	280	280	280
6- 9-75	0000-0530	280	282	283	284	285	286	287	288	289	290	290	290	291	291	291
	0600-1130	291	291	291	291	290	290	290	289	289	288	288	288	287	287	287
	1200-1730	286	285	284	283	282	280	279	277	276	275	274	274	273	273	273
	1800-2330	273	272	271	271	270	269	269	268	266	264	262	262	260	260	260
6-10-75	0000-0530	257	256	254	252	251	248	246	243	241	239	236	236	235	235	235
	0600-1130	233	230	228	226	224	221	220	218	215	213	211	211	209	209	209
	1200-1730	207	204	202	200	199	197	196	195	193	192	191	191	190	190	190
	1800-2330	189	188	188	187	187	186	186	186	186	186	185	185	185	185	185
6-11-75	0000-0530	185	185	185	184	183	182	181	180	179	177	175	175	174	174	174
	0600-1130	171	169	167	165	163	161	159	157	154	153	150	150	147	147	147
	1200-1730	143	138	136	133	133	133	133	137	140	141	140	140	139	139	139
	1800-2330	139	138	137	137	137	137	137	138	139	141	144	144	146	146	146

Table 22.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-1

--Continued.

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )														
		149	151	154	156	159	161	163	164	165	166	166	166	167	167	167
6-12-75	0000-0530	149	151	154	156	159	161	163	164	165	166	166	166	167	167	167
	0600-1130	167	165	165	164	163	161	160	159	158	156	156	156	154	154	154
	1200-1730	153	152	151	150	149	148	148	147	146	146	146	145	145	145	145
	1800-2330	146	147	148	150	151	153	156	160	165	171	171	178	185	185	185
6-13-75	0000-0530	189	197	201	205	208	213	216	218	222	224	224	227	229	229	229
	0600-1130	230	231	232	232	233	233	233	234	233	232	232	231	230	230	230
	1200-1730	229	228	227	226	224	223	222	221	221	220	220	219	218	218	218
	1800-2330	219	219	220	222	224	226	229	232	235	239	239	242	245	245	245
6-14-75	0000-0530	249	253	257	260	264	268	271	274	276	278	278	280	281	281	281
	0600-1130	283	285	287	288	289	291	292	293	293	294	294	294	295	295	295
	1200-1730	295	295	295	295	294	294	293	292	292	291	291	290	289	289	289
	1800-2330	289	288	287	286	285	285	284	284	284	284	284	285	285	285	285
6-15-75	0000-0530	285	286	286	286	287	289	290	291	292	294	294	295	296	296	296
	0600-1130	296	297	298	299	299	299	300	300	300	300	300	300	300	300	300
	1200-1730	300	300	299	299	298	297	296	295	294	293	293	292	291	291	291
	1800-2330	291	290	289	288	287	286	286	285	284	284	284	284	285	285	285
6-16-75	0000-0530	286	287	288	289	290	291	292	293	294	295	295	296	297	297	297
	0600-1130	298	299	300	300	301	302	302	303	303	303	303	303	303	303	303
	1200-1730	302	302	301	301	300	299	299	298	297	296	296	295	294	294	294
	1800-2330	294	294	293	292	291	290	289	289	288	287	287	286	285	285	285

Table 22.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section 2-1  
 --Continued.

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )											
		286	285	284	284	284	284	284	284	284	284	284	284
6-17-75	0000-0530	286	285	285	284	284	284	284	284	284	284	284	284
	0600-1130	284	284	283	283	282	281	280	278	277	275	274	272
	1200-1730	270	269	267	264	263	261	259	256	256	254	252	250
	1800-2330	249	246	243	240	238	235	233	231	230	228	226	224
6-18-75	0000-0530	223	219	218	216	214	212	210	209	207	206	205	203
	0600-1130	202	200	199	197	196	195	193	191	190	188	188	187
	1200-1730	186	186	185	185	184	183	183	182	181	180	179	179
	1800-2330	178	177	176	176	175	174	173	173	172	171	170	170



Table 23.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-10

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )											
		019	019	019	019	019	019	019	019	019	019	019	019
5-27-75	0000-0530	019	019	019	019	019	019	019	019	019	019	019	019
	0600-1130	019	019	019	019	019	019	019	019	019	019	019	019
	1200-1730	020	020	020	020	019	019	018	017	016	013	011	009
	1800-2330	006	005	004	000	001	001	000	000	000	000	000	000
5-28-75	0000-0530	000	000	000	000	003	005	007	008	009	010	011	012
	0600-1130	013	014	014	014	014	015	015	015	015	015	015	015
	1200-1730	015	015	015	015	015	014	014	013	013	012	011	010
	1800-2330	009	008	008	000	007	006	004	003	002	001	000	000
5-29-75	0000-0530	000	000	000	000	000	000	000	000	000	000	000	002
	0600-1130	002	002	003	003	004	003	002	001	000	000	000	000
	1200-1730	000	000	000	000	000	000	000	000	000	000	000	000
	1800-2330	000	000	000	000	000	000	000	000	000	000	000	000
5-30-75	0000-0530	000	000	000	000	000	000	000	000	002	004	006	007
	0600-1130	007	008	008	008	008	008	007	007	006	006	005	004
	1200-1730	004	003	002	002	002	001	000	000	000	000	000	000
	1800-2330	000	000	000	000	000	000	000	000	000	000	000	000
5-31-75	0000-0530	000	000	000	000	000	000	003	005	009	010	011	012
	0600-1130	012	013	013	013	013	014	013	013	013	012	012	011
	1200-1730	011	010	009	008	008	008	006	006	007	007	007	008
	1800-2330	008	007	006	006	006	005	004	003	004	006	009	012

Table 23--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-10  
---Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )															
		015	018	020	023	025	028	033	037	040	042	046	048	040	047	045	044
6- 1-75	0000-0530	015	018	020	023	025	028	033	037	040	042	046	048				
	0600-1130	050	051	051	051	051	050	049	048	047	045	044	042				
	1200-1730	041	041	039	039	040	041	045	047	048	047	046	044				
	1800-2330	042	040	039	037	037	037	039	040	044	049	054	058				
6- 2-75	0000-0530	061	068	076	080	089	095	100	107	112	116	116	117				
	0600-1130	118	117	117	117	116	115	114	113	111	108	107	105				
	1200-1730	102	101	099	098	097	096	095	094	093	092	092	091				
	1800-2330	091	091	092	092	093	097	103	107	112	118	123	128				
6- 3-75	0000-0530	131	135	141	146	148	150	152	154	155	157	160	164				
	0600-1130	167	170	172	174	177	179	181	182	182	182	181	180				
	1200-1730	179	178	178	175	174	173	172	170	170	169	169	170				
	1800-2330	170	171	172	174	176	178	181	184	188	193	195	199				
6- 4-75	0000-0530	202	205	207	209	211	213	214	215	217	217	217	217				
	0600-1130	216	214	213	211	209	206	204	201	198	196	194	192				
	1200-1730	191	190	190	189	189	189	189	188	188	188	187	187				
	1800-2330	187	187	187	188	189	190	191	193	196	198	201	204				
6- 5-75	0000-0530	207	214	217	220	224	226	229	230	232	234	236	237				
	0600-1130	237	238	237	236	235	233	230	226	220	216	211	208				
	1200-1730	204	201	197	195	192	190	188	186	185	184	183	182				
	1800-2330	183	185	188	190	195	199	206	213	222	229	237	244				

Table 23.—Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-10  
—Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )															
		252	258	264	269	274	277	283	286	291	297	301	304	291	297	301	304
6- 6-75	0000-0530	252	258	264	269	274	277	283	286	291	297	301	304				
	0600-1130	309	312	315	317	319	320	321	321	322	322	322	322				
	1200-1730	321	320	319	318	317	315	313	310	307	304	298	293				
	1800-2330	291	288	287	286	287	288	290	292	295	298	302	306				
6- 7-75	0000-0530	309	313	315	318	322	325	329	331	336	338	340	343				
	0600-1130	344	347	348	350	351	353	354	355	356	357	357	357				
	1200-1730	357	357	356	356	355	355	355	354	354	353	352	352				
	1800-2330	351	350	350	349	349	349	348	348	347	347	347	348				
6- 8-75	0000-0530	349	349	349	349	350	351	352	353	354	354	355	356				
	0600-1130	357	358	359	360	360	361	362	363	362	363	363	362				
	1200-1730	361	360	360	359	359	358	357	354	354	352	351	350				
	1800-2330	349	348	347	346	345	345	344	343	343	343	343	344				
6- 9-75	0000-0530	344	345	346	347	348	349	351	352	353	354	356	357				
	0600-1130	358	359	359	360	360	360	360	360	359	358	357	356				
	1200-1730	355	354	353	352	351	349	348	347	346	345	343	342				
	1800-2330	341	340	339	337	336	335	334	333	331	330	329	328				
6-10-75	0000-0530	326	324	323	322	320	318	315	314	311	310	308	305				
	0600-1130	303	300	298	296	293	291	289	286	283	280	277	275				
	1200-1730	272	269	266	264	262	260	259	257	255	254	252	251				
	1800-2330	250	249	248	247	246	245	244	243	243	243	242	242				

Table 23.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-10  
 --Continued

Date	Time Interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )															
		241	241	240	239	239	238	237	236	234	233	232	232	232	232	232	232
6-11-75	0000-0530	241	241	240	239	239	238	237	236	234	233	232	232	232	232	232	232
	0600-1130	229	227	225	223	220	217	214	209	205	202	199	199	199	199	199	199
	1200-1730	196	192	188	186	183	180	178	180	181	182	182	182	182	182	182	182
	1800-2330	181	181	180	179	178	177	177	178	179	180	183	183	183	183	183	183
6-12-75	0000-0530	186	188	192	194	198	202	204	209	210	211	212	212	212	212	212	212
	0600-1130	212	212	211	210	209	208	207	204	202	201	200	200	200	200	200	200
	1200-1730	199	197	195	193	191	189	188	186	185	184	184	184	184	184	184	184
	1800-2330	184	184	185	187	189	190	195	204	209	214	221	221	221	221	221	221
6-13-75	0000-0530	226	230	238	244	250	254	260	269	273	276	279	279	279	279	279	279
	0600-1130	282	283	286	288	289	290	291	292	291	290	289	289	289	289	289	289
	1200-1730	288	287	286	285	284	283	283	280	280	279	278	278	278	278	278	278
	1800-2330	277	277	278	279	279	282	283	288	292	294	296	296	296	296	296	296
6-14-75	0000-0530	300	305	309	312	316	320	323	328	331	335	340	340	340	340	340	340
	0600-1130	343	347	351	353	355	357	359	361	362	364	364	364	364	364	364	364
	1200-1730	365	365	365	365	365	365	364	363	363	362	361	361	361	361	361	361
	1800-2330	360	359	358	357	356	355	354	352	351	351	350	350	350	350	350	350
6-15-75	0000-0530	350	351	352	354	356	358	359	362	364	365	365	365	365	365	365	365
	0600-1130	367	368	370	371	373	374	375	377	378	378	378	378	378	378	378	378
	1200-1730	377	376	375	374	373	371	370	368	366	365	364	364	364	364	364	364
	1800-2330	363	362	361	360	359	357	356	354	354	354	354	354	354	354	354	354

Table 23.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section 5-10  
--Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )											
		354	354	354	354	355	356	358	359	360	361	363	365
6-16-75	0000-0530	354	354	354	354	355	356	358	359	360	361	363	365
	0600-1130	366	368	370	371	373	374	375	377	379	379	380	381
	1200-1730	382	382	381	380	378	377	376	374	374	371	370	369
	1800-2330	368	366	365	364	362	361	360	359	358	356	355	354
6-17-75	0000-0530	352	352	351	350	349	349	349	349	349	349	349	349
	0600-1130	349	349	349	349	348	347	346	344	343	342	340	337
	1200-1730	336	334	332	331	329	327	325	324	322	320	319	316
	1800-2330	315	313	311	310	307	304	302	300	296	294	292	290
6-18-75	0000-0530	287	285	283	280	277	275	273	272	271	269	267	265
	0600-1130	263	261	260	259	257	255	253	251	249	248	247	246
	1200-1730	245	244	244	243	242	241	239	238	237	236	235	234
	1800-2330	233	233	232	231	230	229	229	228	227	226	225	224

Table 24.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-17

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )											
		029	029	028	029	029	029	029	029	029	029	029	029
5-23-75	0000-0530	029	029	028	029	029	029	029	029	029	029	029	029
	0600-1130	029	028	028	027	027	026	026	025	025	024	024	023
	1200-1730	022	020	018	016	015	015	016	017	018	019	019	020
	1800-2330	022	023	024	025	025	026	026	026	026	026	026	025
5-24-75	0000-0530	024	024	023	022	021	021	021	021	021	021	021	021
	0600-1130	021	020	020	020	020	019	018	018	018	017	017	017
	1200-1730	016	015	015	016	016	015	015	014	014	013	013	013
	1800-2330	012	012	011	011	011	011	011	011	012	012	012	012
5-25-75	0000-0530	013	014	015	016	017	018	018	018	019	020	020	020
	0600-1130	020	020	020	021	021	022	022	022	022	022	022	023
	1200-1730	023	023	022	021	020	020	020	021	022	022	022	023
	1800-2330	024	025	028	028	028	028	028	028	028	028	028	028
5-26-75	0000-0530	029	030	030	031	031	031	031	031	031	030	030	030
	0600-1130	030	030	029	028	027	026	025	024	024	024	024	023
	1200-1730	022	022	022	020	019	018	019	019	020	022	022	023
	1800-2330	024	025	026	027	026	026	026	026	026	025	025	025
5-27-75	0000-0530	025	025	025	025	025	026	026	025	025	026	026	026
	0600-1130	026	026	026	026	026	026	026	026	026	026	026	025
	1200-1730	025	025	025	024	024	023	022	022	020	017	017	016
	1800-2330	015	014	013	012	012	012	012	012	012	012	012	012

Table 24.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-17  
--Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )															
		012	013	014	014	015	016	017	018	018	017	018	021	021	020	021	021
5-28-75	0000-0530	012	013	014	014	015	016	017	018	018	017	018	021	021	020	021	021
	0600-1130	022	022	022	022	022	022	021	021	021	021	021	021	021	021	021	022
	1200-1730	022	022	022	022	021	021	020	020	018	018	018	018	018	018	018	017
	1800-2330	017	017	017	017	016	016	015	013	012	011	011	011	011	010	010	008
5-29-75	0000-0530	008	008	009	009	009	009	009	010	010	011	010	010	011	012	012	013
	0600-1130	013	014	014	014	014	014	014	014	014	014	014	014	014	013	013	013
	1200-1730	013	012	012	012	011	010	010	009	009	008	009	008	008	008	008	008
	1800-2330	008	009	009	009	010	009	009	009	009	009	009	009	009	008	008	008
5-30-75	0000-0530	009	010	012	012	012	010	008	010	012	014	012	012	014	015	015	017
	0600-1130	018	018	019	019	019	019	019	019	018	018	018	018	018	017	016	016
	1200-1730	016	015	014	014	013	012	012	012	011	010	011	010	010	009	009	009
	1800-2330	010	011	010	010	010	010	010	010	010	010	010	010	010	010	010	011
5-31-75	0000-0530	011	012	012	012	012	012	013	014	015	017	015	017	018	018	019	019
	0600-1130	020	020	021	021	022	022	022	022	021	021	021	021	021	021	021	021
	1200-1730	020	019	019	019	018	018	017	016	016	016	016	016	016	016	016	016
	1800-2330	017	017	017	017	016	015	013	013	013	014	013	014	015	015	017	017
6- 1-75	0000-0530	019	020	021	021	025	027	029	032	034	037	040	043	046	049	049	049
	0600-1130	045	048	050	052	053	053	052	051	050	050	050	050	050	050	049	049
	1200-1730	048	047	046	045	043	043	043	044	046	049	049	049	049	049	049	049
	1800-2330	048	047	045	043	041	039	037	038	040	045	040	045	050	050	055	055

Table 24.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-17

--Continued

Date	Time Interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )														
		060	065	070	075	080	090	100	103	108	113	114	116	118	120	121
6- 2-75	0000-0530	060	065	070	075	080	090	100	103	108	113	114	116	118	120	121
	0600-1130	117	119	119	119	119	118	118	116	114	112	110	108	106	104	102
	1200-1730	106	104	103	101	099	098	097	096	095	094	094	093	091	089	087
	1800-2330	093	093	093	094	094	095	098	101	105	110	115	120	125	130	135
6- 3-75	0000-0530	125	132	137	140	143	145	148	150	152	155	157	161	165	169	173
	0600-1130	163	166	169	173	175	177	179	181	181	181	181	181	181	181	181
	1200-1730	180	178	177	175	174	173	172	172	171	171	171	171	171	171	171
	1800-2330	171	171	172	173	174	176	180	183	187	190	194	196	200	204	208
6- 4-75	0000-0530	199	202	204	206	209	210	212	214	215	216	216	216	216	216	216
	0600-1130	216	216	215	213	211	208	207	205	202	200	197	195	193	191	189
	1200-1730	192	189	187	186	186	185	184	184	183	183	183	183	183	183	183
	1800-2330	182	182	183	183	184	185	187	189	190	193	195	198	202	206	210
6- 5-75	0000-0530	200	205	208	210	214	216	219	221	224	225	226	227	227	227	227
	0600-1130	228	229	230	230	229	228	225	222	221	218	214	210	206	202	198
	1200-1730	205	200	197	195	192	191	188	186	185	184	182	180	178	176	174
	1800-2330	179	180	181	184	187	190	196	207	213	220	227	234	241	248	255
6- 6-75	0000-0530	239	242	246	252	256	260	265	270	275	278	283	287	291	295	299
	0600-1130	293	297	301	306	310	313	318	321	324	327	330	331	331	331	331
	1200-1730	332	331	330	328	326	323	320	316	312	308	305	302	300	298	296
	1800-2330	296	293	290	286	285	284	284	284	286	287	290	293	296	299	302



Table 24.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-17  
--Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (foot X 10 <sup>2</sup> )														
		303	306	309	313	319	323	328	334	337	342	347	350	356	363	366
6- 7-75	0000-0530	298	303	306	309	313	319	323	328	334	337	342	347	350	356	363
	0600-1130	350	356	358	363	366	370	372	377	378	382	384	386	386	391	394
	1200-1730	386	386	386	385	383	382	381	379	377	375	373	372	371	370	368
	1800-2330	371	370	369	368	367	366	365	364	364	363	363	363	363	363	363
6- 8-75	0000-0530	363	363	364	364	364	365	366	367	368	369	370	372	374	377	380
	0600-1130	374	377	379	382	384	385	386	388	389	390	390	391	391	391	391
	1200-1730	391	391	391	390	389	387	386	385	383	380	378	376	374	372	370
	1800-2330	374	372	370	368	366	364	362	361	359	358	358	358	358	358	358
6- 9-75	0000-0530	358	358	359	360	362	364	365	368	370	372	374	377	379	383	386
	0600-1130	379	382	383	385	387	388	389	389	389	388	387	386	384	383	382
	1200-1730	384	382	381	377	376	373	371	368	367	364	362	359	358	357	356
	1800-2330	358	356	353	351	350	347	346	345	343	342	341	339	338	337	336
6-10-75	0000-0530	338	336	334	332	330	326	325	322	319	317	315	312	311	310	309
	0600-1130	311	308	307	303	301	298	296	291	290	287	285	282	280	277	275
	1200-1730	280	277	275	272	269	265	262	260	258	256	254	252	251	250	249
	1800-2330	251	248	247	246	245	244	244	243	242	241	239	238	238	237	236
6-11-75	0000-0530	238	238	237	237	236	236	235	234	232	231	229	228	226	223	221
	0600-1130	226	223	221	220	217	215	212	210	207	204	202	198	196	193	190
	1200-1730	196	191	189	185	180	178	175	175	175	175	177	179	196	191	189
	1800-2330	179	178	177	176	175	175	174	174	174	174	175	176	179	180	181

Table 24.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-17  
--Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (foot X 10 <sup>2</sup> )														
		178	180	183	186	189	191	194	195	198	200	202	203	204	205	206
6-12-75	0000-0530	178	180	183	186	189	191	194	195	198	200	202	203	204	205	206
	0600-1130	204	205	205	205	204	204	203	202	201	200	199	197	204	205	206
	1200-1730	195	194	193	191	189	187	186	183	182	181	179	179	187	188	189
6-13-75	1800-2330	179	179	179	179	180	181	183	187	189	193	197	203	187	188	189
	0000-0530	207	213	218	225	230	238	242	245	250	256	258	262	238	242	245
	0600-1130	265	268	270	274	275	277	279	282	284	285	286	287	277	279	282
6-14-75	1200-1730	287	284	283	280	279	276	275	273	272	270	268	267	276	275	273
	1800-2330	266	265	265	265	265	266	268	269	271	274	276	278	266	268	269
	0000-0530	279	283	287	292	297	301	305	311	315	320	323	327	301	305	311
6-15-75	0600-1130	332	338	343	349	354	358	364	367	371	375	377	380	358	364	367
	1200-1730	383	386	389	392	394	396	396	396	394	393	391	389	396	396	396
	1800-2330	386	385	383	381	379	377	374	372	371	369	368	363	377	374	372
6-16-75	0000-0530	367	368	368	369	370	372	374	376	379	382	387	391	372	374	376
	0600-1130	395	399	402	405	409	412	415	418	420	421	421	422	412	415	418
	1200-1730	422	421	421	420	419	417	416	415	413	411	409	408	417	416	415
6-17-75	1800-2330	406	402	400	397	395	392	390	388	385	382	381	378	392	390	388
	0000-0530	376	375	374	374	374	375	376	379	382	386	389	392	376	379	382
	0600-1130	397	405	409	413	417	419	424	427	428	429	431	431	424	427	428
6-18-75	1200-1730	431	430	429	428	426	424	423	421	420	418	415	412	424	423	421
	1800-2330	410	407	406	404	401	399	397	394	391	389	386	382	399	397	394

Table 24.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, East Fork River, section B-17  
 --Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (foot X 10 <sup>2</sup> )														
		381	378	376	373	371	370	369	369	368	367	366	366	366	366	366
6-17-75	0000-0530	381	378	376	373	371	370	369	369	368	367	366	366	366	366	366
	0600-1130	365	365	366	365	365	365	364	363	362	361	359	359	359	357	357
	1200-1730	355	352	349	346	343	340	338	335	333	329	328	328	328	325	325
	1800-2330	322	319	318	316	312	309	306	304	301	298	295	295	295	292	292
6-18-75	0000-0530	290	287	285	283	280	276	275	272	270	269	267	267	267	264	264
	0600-1130	262	260	258	256	254	253	251	248	246	245	243	243	243	242	242
	1200-1730	241	239	238	237	236	235	234	233	231	230	229	229	229	228	228
	1800-2330	227	226	225	223	222	221	220	219	218	217	216	216	216	215	215

Table 25.—Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, Muddy Creek at gage

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )														
5-26-75	0000-0530	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
	0600-1130	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
	1200-1730	105	105	104	104	104	104	104	104	104	104	104	104	104	104	104
	1800-2330	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
5-27-75	0000-0530	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
	0600-1130	104	104	104	104	104	104	104	104	104	104	104	104	104	104	103
	1200-1730	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
	1800-2330	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
5-28-75	0000-0530	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
	0600-1130	103	103	103	103	103	103	103	103	103	103	103	103	104	104	104
	1200-1730	104	104	104	104	104	104	104	104	105	105	105	105	105	105	105
	1800-2330	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
5-29-75	0000-0530	105	105	105	105	105	105	105	105	105	105	105	105	105	104	104
	0600-1130	104	104	104	103	103	103	103	102	102	102	101	101	101	101	100
	1200-1730	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1800-2330	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
5-30-75	0000-0530	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	0600-1130	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1200-1730	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1800-2330	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Table 25.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, Muddy Creek at gage--Continued

Date	Time		Gage height at half-hour increments during time interval														
	interval	(hour)	(feet X 10 <sup>2</sup> )														
5-31-75	0000-0530	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	0600-1130	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1200-1730	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1800-2330	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
6- 1-75	0000-0530	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	0600-1130	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1200-1730	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	1800-2330	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
6- 2-75	0000-0530	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094
	0600-1130	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094
	1200-1730	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094
	1800-2330	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094
6- 3-75	0000-0530	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094
	0600-1130	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094
	1200-1730	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094	094
	1800-2330	096	096	096	096	096	096	096	096	096	096	096	096	096	096	096	096
6- 4-75	0000-0530	095	095	094	093	093	093	093	093	093	093	093	093	093	093	093	094
	0600-1130	094	095	095	095	095	096	096	096	096	096	096	096	096	096	096	096
	1200-1730	097	098	100	101	101	101	101	102	102	103	104	104	104	104	105	105
	1800-2330	106	107	107	107	107	107	107	107	107	107	107	107	108	108	108	108

Table 25.--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, Muddy Creek at gage--Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )														
		108	108	108	109	109	109	109	109	109	109	109	109	109	109	109
6- 5-75	0000-0530	108	108	108	109	109	109	109	109	109	109	109	109	109	109	109
	0600-1130	109	109	109	109	109	109	110	110	111	111	111	111	111	111	111
	1200-1730	111	111	111	111	111	111	111	112	112	112	112	112	112	112	112
	1800-2330	112	112	112	112	112	112	112	112	112	112	112	112	112	112	111
6- 6-75	0000-0530	111	111	111	111	111	111	111	111	111	111	111	111	111	111	112
	0600-1130	112	112	112	113	113	113	113	114	115	115	115	116	116	117	117
	1200-1730	118	130	132	133	133	133	133	133	133	133	133	133	133	133	133
	1800-2330	132	132	132	132	132	132	131	130	130	130	130	130	130	129	129
6- 7-75	0000-0530	129	129	129	129	129	129	129	129	129	129	129	129	129	129	132
	0600-1130	132	132	133	133	133	133	133	134	134	134	134	134	134	135	135
	1200-1730	135	136	136	137	137	138	139	139	140	140	140	140	140	---	---
	1800-2330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6- 8-75	0000-0530	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	0600-1130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1200-1730	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1800-2330	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6- 9-75	0000-0530	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	0600-1130	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1200-1730	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1800-2330	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175

Table 25--Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, Muddy Creek at gage--Continued

Date	Time interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )											
		175	175	175	175	175	175	175	175	175	175	175	175
6-10-75	0000-0530	175	175	175	175	175	175	175	175	175	175	175	175
	0600-1130	175	175	176	177	177	177	177	177	177	177	177	177
	1200-1730	177	177	177	177	177	177	177	177	180	180	180	180
	1800-2330	181	181	181	181	182	182	182	182	182	182	182	182
6-11-75	0000-0530	182	182	182	182	182	182	182	182	182	182	182	182
	0600-1130	182	181	181	180	180	180	180	180	180	180	180	180
	1200-1730	180	179	179	179	179	179	179	179	179	179	178	178
	1800-2330	178	178	178	178	178	178	177	177	177	177	176	176
6-12-75	0000-0530	176	176	176	176	176	176	176	176	175	175	175	175
	0600-1130	175	175	175	175	175	175	174	174	174	173	173	173
	1200-1730	173	172	167	167	164	164	164	164	165	166	166	166
	1800-2330	167	167	167	167	167	167	167	167	167	167	167	167
6-13-75	0000-0530	167	167	167	167	167	167	167	167	167	167	167	166
	0600-1130	166	166	165	165	165	165	165	165	165	165	165	164
	1200-1730	164	164	164	164	164	164	164	164	164	164	164	164
	1800-2330	164	166	168	169	169	169	169	169	169	169	166	166
6-14-75	0000-0530	166	166	166	166	166	165	165	165	164	164	164	164
	0600-1130	164	164	164	164	164	164	164	164	163	163	163	163
	1200-1730	162	160	160	160	160	160	160	160	160	160	160	160
	1800-2330	160	160	160	160	160	160	160	160	160	160	160	160

Table 25.---Hydrograph data digitized at half-hour intervals covering the period of cross-section soundings, Muddy Creek at gage---Continued

Date	Time Interval (hour)	Gage height at half-hour increments during time interval (feet X 10 <sup>2</sup> )											
		160	160	160	160	160	161	161	161	161	161	161	161
6-15-75	0000-0530	160	160	160	160	160	161	161	161	161	161	161	161
	0600-1130	161	161	161	161	161	161	161	161	161	161	162	162
	1200-1730	162	162	162	162	162	162	162	162	162	162	163	163
	1800-2330	163	163	163	163	163	163	163	163	163	163	163	163
6-16-75	0000-0530	163	163	162	162	162	162	162	162	162	162	162	162
	0600-1130	162	162	162	162	162	162	162	162	162	162	162	162
	1200-1730	162	162	162	162	162	163	163	163	163	163	163	163
	1800-2330	163	163	163	163	163	163	163	164	164	164	164	164
6-17-75	0000-0530	164	165	165	165	165	165	165	165	165	165	165	165
	0600-1130	165	165	165	165	165	165	165	165	165	165	165	165
	1200-1730	165	166	166	166	167	167	168	168	168	168	168	168
	1800-2330	168	168	168	168	168	169	169	169	169	169	169	169
6-18-75	0000-0530	169	169	170	170	170	171	171	171	171	172	172	172
	0600-1130	172	173	173	173	173	174	174	174	174	174	174	175
	1200-1730	175	175	175	175	175	176	176	176	176	176	176	178
	1800-2330	178	178	178	178	178	178	178	178	178	179	179	179



Table 26.--Summary of water-

---

Date	Gage height	Dis
	(ft)	(

---

Table 27.--Summary of water-discharge measurements, East Fork River,  
section B-10

Date	Gage height (ft)	Discharge (ft <sup>3</sup> /s)	Width (ft)	Mean	Mean	Area (ft <sup>2</sup> )
				depth (ft)	velocity (ft/s)	
5-27-75	0.20	91.3	41.5	1.23	1.78	51.2
6- 5-75	2.08	374	61	2.28	2.69	139
6- 6-75	3.00	620	81	2.49	3.07	202
6- 7-75	3.55	837	83	2.99	3.38	248
6-11-75	1.79	298	62	2.44	1.97	151
6-15-75	3.76	996	91	3.43	3.19	312
8-29-75	-0.36	27.7	42	0.56	1.18	23.4

Table 28--Summary of water-discharge measurements, East Fork River,  
section B-17

Date	Gage height (ft)	Discharge (ft <sup>3</sup> /s)	Width (ft)	Mean	Mean	Area (ft <sup>2</sup> )
				depth (ft)	velocity (ft/s)	
5-25-75	0.23	79.4	50.5	0.85	1.86	42.7
5-26-75	0.25	84.9	50.5	0.83	2.02	42.1
5-27-75	0.26	85.9	50.5	0.83	2.06	41.8
6- 1-75	0.50	117	52	1.05	2.14	54.8
6- 3-75	1.73	335	55	2.29	2.66	126
6- 4-75	1.96	401	56	2.50	2.86	140
6- 5-75	2.09	402	56	2.48	2.89	139
6- 6-75	3.16	633	59	3.34	3.21	197
6- 7-75	3.70	891	60	4.05	3.67	243
6-15-75	4.13	1,096	60	4.55	4.02	273
5-23-74 <sup>1</sup>	0.29	105	57.5	0.94	1.94	53.9
5-25-74 <sup>1</sup>	0.88	198	60.5	1.36	2.40	82.6
5-26-74 <sup>2</sup>	1.83	398	40.5	3.60	2.72	146
5-27-74 <sup>2</sup>	3.12	759	54	4.63	3.04	250
5-28-74 <sup>2</sup>	3.95	1,116	60	5.41	3.44	325
5-29-74 <sup>2</sup>	4.50	1,581	63	5.69	4.41	358
5-30-74 <sup>3</sup>	4.05	837	60	3.11	4.49	186
5-31-74 <sup>3</sup>	3.31	624	60	3.34	3.11	200
6- 1-74 <sup>3</sup>	3.51	688	60	3.85	2.97	231

Table 28.--Summary of water-discharge measurements, East Fork River,  
section B-17--Continued

Date	Gage height (ft)	Discharge (ft <sup>3</sup> /s)	Width (ft)	Mean depth (ft)	Mean velocity (ft/s)	Area (ft <sup>2</sup> )
6- 2-74 <sup>3</sup>	3.68	737	60	4.03	3.04	242
6- 3-74 <sup>3</sup>	4.05	852	60	4.43	3.20	266
6- 5-74 <sup>3</sup>	3.55	981	55	5.73	3.11	315
5-29-73 <sup>2</sup>	1.23	259	38	5.36	1.27	204
5-31-73 <sup>2</sup>	1.38	337	39	5.33	1.62	208
6- 1-73 <sup>2</sup>	2.68	616	42	5.28	2.78	222
6- 7-73 <sup>4</sup>	2.72	541	48	3.60	3.13	173
6- 8-73 <sup>5</sup>	3.15	601	48	3.96	3.17	190
6- 8-73 <sup>2</sup>	3.20	789	63	4.21	2.98	265
6- 9-73 <sup>2</sup>	3.68	1,027	63	4.87	3.34	307

<sup>1</sup> Wading section 60 ft upstream of project suspension bridge.

<sup>2</sup> Measurements taken at roadbridge, 125 ft upstream of project suspension bridge. Measurement does not include correction for vertical angle of suspension cable.

<sup>3</sup> Measurements made at project suspension bridge; does not include flow bypassing the measuring section.

<sup>4</sup> Measured flow at project suspension bridge over 48-ft width of bedload trap; total discharge is 581 ft<sup>3</sup>/s.

<sup>5</sup> Measured flow at project suspension bridge over 48-ft width of bedload trap; total discharge is 671 ft<sup>3</sup>/s.

Table 29.--Summary of water-discharge measurements, Muddy Creek at gage

Date	Gage height (ft)	Discharge (ft <sup>3</sup> /s)	Width (ft)	Mean	Mean	Area (ft <sup>2</sup> )
				depth (ft)	velocity (ft/s)	
4- 6-75	0.70	5.35	12	0.45	1.00	5.37
4-14-75	0.79	6.18	14.4	0.52	0.82	7.51
4-15-75	0.78	7.21	15	0.53	0.91	7.90
4-16-75	0.80	6.79	15	0.54	0.84	8.06
4-18-75	0.77	6.39	14.5	0.50	0.89	7.19
4-21-75	0.80	6.37	15	0.52	0.82	7.74
4-22-75	0.85	8.20	15	0.59	0.93	8.78
4-23-75	0.93	9.98	15	0.67	0.99	10.1
4-24-75	1.02	14.2	15	0.73	1.30	10.9
4-25-75	1.20	20.6	15	0.94	1.46	14.1
4-26-75	1.29	25.4	15	1.01	1.68	15.1
4-27-75	1.38	30.5	15.5	1.12	1.75	17.4
4-28-75	1.12	15.8	15.2	0.75	1.38	11.5
4-29-75	1.11	16.4	15.2	0.74	1.46	11.5
4-30-75	1.33	24.6	15.2	0.92	1.76	14.0
5- 1-75	1.28	20.0	15.2	0.82	1.60	12.5
5- 2-75	1.44	29.1	15.5	1.02	1.84	15.8
5- 3-75	1.64	34.7	15.0	1.34	1.73	20.1
5- 3-75	1.95	53.1	15.5	1.40	2.45	21.7
5- 3-75	2.10	55.2	15.0	1.64	2.10	24.6

Table 29.--Summary of water-discharge measurements, Muddy Creek at gage

--Continued

Date	Gage height (ft)	Discharge (ft <sup>3</sup> /s)	Width (ft)	Mean	Mean	Area (ft <sup>2</sup> )
				depth (ft)	velocity (ft/s)	
5- 4-75	2.21	45.9	13.0	1.63	2.17	21.2
5- 5-75	2.13	49.0	15.0	1.40	2.34	21
5- 6-75	1.82	40.9	15.0	1.27	2.14	19.1
5- 7-75	1.88	38.2	15.0	1.35	1.64	20.3
5- 8-75	1.49	31.5	15.0	1.31	1.61	19.6
5- 9-75	1.50	34.8	15.0	1.30	1.78	19.5
5-23-75	1.12	15.0	15.0	0.70	1.43	10.5
5-30-75	1.00	10.6	15.0	0.54	1.30	8.16
6-10-75	1.80	41.5	15.0	1.29	2.15	19.3
6-20-75	1.90	49.9	15.0	1.59	2.09	23.9
7-11-75	1.98	55.5	15.5	1.72	2.08	26.7
7-31-75	1.74	40.2	15.5	1.36	1.91	21.1
8- 7-75	1.49	29.0	16.0	1.06	1.72	16.9
8-17-75	1.28	18.2	15.0	0.85	1.43	12.7
8-31-75	1.08	10.4	15.5	0.53	1.27	8.18

Table 30.--Summary of instantaneous water temperature observations and suspended sediment concentration measurements, East Fork River

Section	Date	Time	Discharge (ft <sup>3</sup> /s)	Water	Suspended	Conductivity (μmhos)	Turbidity (JTU)
				temperature (°C)	sediment concentration (mg/l)		
B-17	5-22-75	0822	78.8	4.1	-----	-----	----
	5-22-75	1345	76.7	8.0	-----	-----	----
	5-23-75	0800	71.9	3.5	-----	-----	----
	5-25-75	1100	79.4	6.5	13	-----	----
	5-26-75	1200	84.9	6.5	9	-----	----
	5-27-75	0930	85.9	12.5	-----	-----	----
	5-27-75	1150	85.9	9.0	8	-----	----
	5-28-75	0850	80.9	7.0	-----	-----	----
	6- 4-75	0915	387	2.5	-----	-----	----
	6- 4-75	1200	370	5.5	106	-----	----
	6- 5-75	0720	459	2.5	-----	-----	----
	6- 5-75	1240	402	6.0	75	-----	----
	6- 6-75	0730	664	4.0	-----	-----	----
	6- 6-75	0930	718	3.0	212	-----	----
	6- 7-75	0740	862	5.0	-----	-----	----
	6- 7-75	0930	920	4.5	1,590	-----	----
	6- 7-75	1625	922	6.5	-----	-----	----
	6- 8-75	0750	940	4.0	-----	-----	----
	6- 8-75	0900	975	3.5	64	-----	----
	6- 9-75	1130	970	3.3	-----	-----	----
	6-11-75	0920	405	4.0	-----	-----	----
	6-12-75	0915	380	6.5	-----	-----	----

Table 30.--Summary of instantaneous water temperature observations and suspended sediment concentration measurements, East Fork River--Continued

Section	Date	Time	Discharge (ft <sup>3</sup> /s)	Water	Suspended	Conductivity (μmhos)	Turbidity (JTU)
				temperature (°C)	sediment concentration (mg/l)		
B-17	6-12-75	1300	360	8.5	1,940	-----	----
	6-13-75	1000	583	6.0	-----	-----	----
	6-14-75	0820	855	6.0	-----	-----	----
	6-14-75	1705	975	11.0	-----	-----	----
	6-15-75	0835	1,060	5.0	-----	-----	----
	6-15-75	1415	1,060	5.5	156	-----	----
	6-15-75	1500	1,090	10.5	-----	-----	----
	6-16-75	0900	1,120	5.5	-----	-----	----
	6-16-75	1335	1,150	8.5	-----	-----	----
	6-17-75	0700	863	5.5	-----	-----	----
	6-17-75	1130	840	5.5	26	-----	----
	6-18-75	0930	492	5.0	-----	-----	----
	6-18-75	1300	462	5.5	-----	-----	----
	8-21-75	1605	66.0	17.2	-----	-----	----
5-23-74	5-23-74	1200	105	8.0	6	79	2.6
	5-25-74	0935	198	7.0	17	57	3.9
	5-26-74	1000	358	6.0	64	48	9.1
	5-26-74	1400	338	----	363	48	6.5
	5-27-74	1000	694	5.0	158	46	28
	5-28-74	1300	1,030	6.5	80	42	8
	5-29-74	1000	1,330	5.0	353	40	75
	5-30-74	1500	1,010	7.5	38	39	4.6



Table 30.--Summary of instantaneous water temperature observations and suspended sediment concentration measurements, East Fork River--Continued

Section	Date	Time	Discharge (ft <sup>3</sup> /s)	Water	Suspended	Conductivity (µmhos)	Turbidity (JTU)
				temperature (°C)	sediment concentration (mg/l)		
B-17	5-31-74	1430	753	7.5	99	44	4.8
	6- 1-74	1235	857	7.0	-----	-----	----
	6- 2-74	1130	900	6.5	-----	-----	----
	6- 5-74	1118	900	6	-----	-----	----
	5-29-73	1453	229	9	-----	-----	----
	5-31-73	1450	256	12	-----	-----	----
	6- 1-73	1113	553	8	-----	-----	----
	6- 8-73	1300	700	10	-----	-----	----
	6- 9-73	1600	900	10.5	-----	-----	----
B-10	8-29-75	1600	27.7	18	-----	-----	----
B-1	6- 2-75	0810	199	4.5	41	-----	----
	6- 3-75	0820	323	----	103	-----	----
	6- 4-75	1030	343	----	36	-----	----
	6- 5-75	0940	378	----	32	-----	----
	6- 6-75	0845	641	3.5	115	-----	----
	6- 7-75	0900	736	----	69	-----	----
	6- 8-75	0925	773	3.5	38	-----	----
	6- 9-75	1030	715	3.5	34	-----	----
	6-10-75	1200	434	----	35	-----	----
	6-12-75	1145	310	----	6	-----	----
	6-13-75	1130	521	----	26	-----	----

Table 30.--Summary of instantaneous water temperature observations and suspended sediment concentration measurements, East Fork River--Continued

Section	Date	Time	Discharge (ft <sup>3</sup> /s)	Water	Suspended	Conductivity (μmhos)	Turbidity (JTU)
				temperature (°C)	sediment concentration (mg/l)		
B-1	6-14-75	1030	742	----	40	-----	----
	6-14-75	1700	750	----	10	-----	----
	6-15-75	1245	760	7.5	31	-----	----
	6-16-75	1230	800	8.0	24	-----	----
	6-26-75	----	371	----	7	-----	----

Table 31.--Summary of instantaneous water temperature observations  
and suspended sediment concentration measurements, Muddy  
Creek at gage

Date	Time	Discharge (ft <sup>3</sup> /s)	Water temperature (°C)	Suspended sediment concentration (mg/l)
4-14-75	----	6.18	1.5	-----
4-15-75	----	7.21	4.5	-----
4-16-75	----	6.79	2.5	-----
4-18-75	----	6.39	4.1	-----
4-21-75	1015	6.37	4.9	32
4-22-75	0900	8.20	4.0	52
4-23-75	0900	9.98	2.0	96
4-24-75	0840	14.2	2.0	163
4-25-75	0655	20.6	1.5	273
4-25-75	0938	20.3	---	236
4-26-75	0950	25.4	2.5	180
4-27-75	0950	30.5	1.0	424
4-28-75	1110	19.4	---	105
4-28-75	----	15.8	3.5	-----
4-29-75	1030	16.4	2.8	102
4-30-75	1025	24.6	2.0	184
5- 1-75	1030	20.0	4	149

Table 31.--Summary of instantaneous water temperature observations  
and suspended sediment concentration measurements, Muddy  
Creek at gage--Continued

Date	Time	Discharge (ft <sup>3</sup> /s)	Water temperature (°C)	Suspended sediment concentration (mg/l)
5- 2-75	1125	29.1	3.8	156
5- 3-75	1110	34.7	3.5	32
5- 3-75	1830	53.1	7.5	765
5- 3-75	1912	55.2	7.5	5,580 <sup>1</sup>
5- 4-75	1015	45.9	2.7	252
5- 5-75	0940	49.0	1.5	5,520
5- 6-75	1115	40.9	1.5	434
5- 7-75	-----	38.2	4	-----
5- 8-75	1210	31.5	6.8	100
5- 9-75	0910	34.8	4.5	78
5-23-75	1450	15.0	7.2	25
5-30-75	1500	10.6	---	16
6- 3-75	1430	9.62	---	17
6-10-75	1500	41.5	---	204
6-20-75	1330	49.9	12.5	92
6-30-75	1445	40.5	12	38
7-11-75	1415	55.5	22.5	69

Table 31.--Summary of instantaneous water temperature observations  
and suspended sediment concentration measurements, Muddy  
Creek at gage--Continued

Date	Time	Discharge (ft <sup>3</sup> /s)	Water temperature (°C)	Suspended sediment concentration (mg/l)
7-31-75	-----	40.2	12	-----
8- 7-75	-----	29.0	12	-----
8-17-75	-----	18.2	12	-----
8-31-75	-----	10.4	12.5	-----

<sup>1</sup> Large amount of organic material.

Table 32.---Particle-size distribution of bed material, East Fork River

Section	Station (ft)	Percent finer than indicated size, in mm															
		0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.83	4.00	5.66	8.00	11.3
B-2	8-16	2.2	3.2	5.6	11.1	18.0	27.4	32.4	36.4	39.0	41.2	43.8	47.0	51.8	58.1	67.8	77.0
	16-46	0.2	0.3	0.5	1.1	2.4	4.2	6.3	7.3	8.3	9.1	10.0	11.1	12.7	14.5	17.1	19.9
	46-64	0.5	0.8	1.4	2.8	4.7	8.9	14.3	21.0	25.6	29.4	33.0	36.3	40.2	44.0	48.9	56.6
B-3	10-30	0.4	0.5	1.0	2.0	3.3	5.4	7.5	10.3	13.3	16.9	21.4	25.9	30.8	35.6	40.0	44.7
	30-63	1.1	1.7	3.3	7.9	14.6	26.3	38.4	47.9	55.0	62.8	72.7	81.6	88.0	91.6	94.4	97.1
B-4	20-50	1.0	1.4	2.2	4.3	7.8	14.3	19.9	24.2	27.8	32.6	39.6	48.4	58.4	66.0	72.6	78.7
	60-90	0.2	0.3	0.5	1.3	2.4	5.7	9.4	13.6	16.9	20.6	25.2	29.4	34.1	40.3	46.9	54.4
B-5E	9-28	0.5	0.8	1.6	3.5	6.0	10.7	14.1	17.0	18.9	21.1	24.4	28.4	33.1	38.0	43.9	51.7
	28-47	0.4	0.7	1.2	2.3	3.6	5.1	6.1	7.0	7.9	9.3	11.3	13.7	16.8	20.4	27.4	34.1
B-6	5-20	0.2	0.3	0.5	1.3	2.7	6.0	9.9	14.2	17.8	21.7	26.7	32.0	38.8	44.4	50.2	56.5
	20-35	0.1	0.2	0.5	1.4	3.4	7.4	11.3	14.9	17.5	20.3	24.0	27.3	34.2	39.9	46.2	53.9
	35-55	0.2	0.3	0.5	1.1	2.4	4.7	7.2	11.0	14.6	18.4	22.8	27.2	32.3	38.0	44.9	54.0
B-7	17-36	0.3	0.5	0.8	1.3	2.6	10.6	28.6	52.3	69.6	83.3	93.2	97.6	99.3	99.9	----	----
	36-54	0.4	0.6	0.9	2.2	5.5	12.9	22.8	31.3	38.3	46.7	57.8	68.6	78.6	86.6	94.5	98.9
B-8	10-18	0.1	0.2	0.4	1.3	2.5	6.1	13.9	23.7	29.2	33.8	39.4	45.2	50.8	54.8	58.6	62.1
	18-44	1.0	1.5	2.1	2.8	3.3	5.6	11.1	19.5	29.3	44.1	64.6	81.6	91.9	96.8	98.9	99.6
B-9	30-46	1.3	1.9	3.1	5.4	7.7	11.7	15.0	18.2	21.0	24.4	28.8	33.7	39.8	46.4	55.4	66.4
	46-70	0.2	0.3	0.5	1.1	2.2	6.2	15.7	28.7	40.3	51.7	62.0	69.6	74.8	78.8	83.6	89.8

Table 32.--Particle-size distribution of bed material, East Fork River--Continued

Section	Station	Percent finer than indicated size, in mm														
		0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.83	4.00	5.66	8.00
B-10	36-64	0.1	0.1	0.2	0.4	1.6	7.8	27.0	52.7	66.2	78.8	89.5	95.6	98.6	99.7	99.9
	64-76	2.0	2.1	3.0	5.2	6.7	8.7	10.5	12.4	14.4	16.2	18.4	20.6	22.5	25.4	28.7
B-11	4-14	1.5	2.3	4.3	8.6	13.4	19.9	23.5	27.0	30.1	33.8	37.8	41.1	45.0	49.2	54.9
	14-50	1.0	1.7	3.2	5.1	7.7	14.8	34.1	57.1	72.9	82.4	85.9	93.4	97.6	99.3	99.9
B-12	22-46	19.3	27.0	45.7	65.2	84.0	98.4	99.3	99.8	99.9	----	----	----	----	----	----
	46-66	0.4	0.6	0.9	2.5	4.9	15.0	33.8	63.8	77.7	87.3	94.1	98.8	99.7	99.9	----
	66-73	0.2	0.5	0.6	1.1	2.2	7.4	16.9	29.4	38.8	48.8	62.5	76.6	89.2	96.4	99.6
B-13	8-71	0.6	0.9	1.4	2.4	4.1	12.2	18.3	21.9	24.8	28.6	34.4	42.6	53.3	65.2	77.1
B-15	6-28	0.8	1.3	2.1	3.7	6.5	10.9	13.4	16.0	18.6	21.6	25.6	30.5	37.0	44.8	58.6
	50-80	0.3	0.4	0.7	1.7	4.4	10.7	16.9	22.9	27.5	32.6	39.2	45.8	52.9	60.0	68.8

Table 33.--Particle-size distribution of bed material, Muddy Creek

Date	Percent finer than indicated size, in mm													
	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.83	4.00	8.00
4-28-75	0.2	0.2	0.4	1.9	7.0	27.2	53.4	75.8	87.4	94.6	98.2	99.5	99.8	99.9 ----
7-31-75	0.1	0.1	0.1	0.4	2.7	13.9	32.6	47.9	61.7	73.0	84.5	92.5	96.6	99.0 99.9
8-17-75	0.1	0.1	0.2	0.8	4.0	16.3	34.4	53.7	70.8	82.6	91.8	96.9	99.2	99.9 ----
8-25-75	0.1	0.1	0.2	0.6	4.2	20.1	44.8	68.0	83.7	92.3	97.0	98.9	99.7	99.9 ----
8-31-75	0.1	0.1	0.1	0.3	2.9	14.8	35.1	55.4	72.2	85.4	94.2	97.8	99.1	99.8 99.9



Table 34.--Summary of bedload transport, East Fork River,  
section B-1.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6- 4-75	1040	3	336	0.0001	0.23
6- 5-75	1000	3	363	.0007	.42
6- 6-75	0800	3	642	.0016	.40
6- 6-75	0835	3	644	.0031	.61
6- 6-75	1422	2	570	.0152	.91
6- 6-75	1445	2	562	.0027	.54
6- 7-75	0815	2	730	.0137	1.39
6- 7-75	1020	2	730	.0111	.64
6- 7-75	1040	2	730	.0205	1.20
6- 7-75	1100	2	730	.0233	1.57
6- 7-75	1220	2	726	.0190	.86
6- 7-75	1255	3	706	.0004	.31
6- 8-75	1055	2	740	.0091	1.33
6- 8-75	1115	2	740	.0026	.57
6- 8-75	1140	2	735	.0137	1.91
6- 8-75	1200	2	730	.0086	1.74
6- 9-75	1050	2	726	.0124	1.51

Table 34.--Summary of bedload transport, East Fork River,  
section B-1--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6- 9-75	1110	2	721	0.0057	0.98
6- 9-75	1125	2	721	.0171	1.30
6- 9-75	1145	2	716	.0103	.84
6-10-75	1200	2	432	.0008	.49
6-10-75	1220	2	428	.0003	.29
6-13-75	1210	2	505	.0002	.30
6-14-75	1045	2	755	.0238	1.06
6-14-75	1115	2	760	.0140	3.37
6-14-75	1130	2	760	.0126	1.05
6-14-75	1145	2	760	.0123	1.44
6-15-75	1035	2	790	.0065	1.28
6-15-75	1055	2	790	.0312	1.33
6-15-75	1110	2	790	.0143	1.49
6-15-75	1130	2	790	.0108	1.21
6-16-75	1305	2	800	.0058	.87
6-16-75	1325	2	795	.0104	1.03
6-16-75	1345	2	790	.0094	1.11

Table 34.--Summary of bedload transport, East Fork River,  
section B-1--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6-16-75	1405	2	790	0.0108	1.75
6-17-75	1020	2	684	.0018	.77
6-17-75	1040	2	680	.0028	1.79
6-17-75	1100	2	676	.0009	.48
6-17-75	1115	2	672	.0006	.33
6-17-75	1130	2	668	.0028	1.41
6-24-75	1040	2	368	.0003	.32
6-24-75	1115	2	370	.0014	.53
6-25-75	1105	2	680	.0162	1.44
6-25-75	1125	2	684	.0051	.65
6-25-75	1145	2	684	.0080	.67
6-25-75	1200	2	684	.0064	.77
6-25-75	----	2	684	.0212	.62
6-25-75	----	2	684	.0020	.37
6-26-75	1205	2	395	.0013	.99
6-26-75	1237	2	390	.0138	1.90
6-26-75	1304	2	385	.0008	.70

Table 34.--Summary of bedload transport, East Fork River,  
section B-1--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6-26-75	1333	2	379	0.0103	1.45
6-27-75	1200	2	395	.0019	.78
6-27-75	1225	2	392	.0059	1.09
6-28-75	1100	2	473	.0098	1.63
6-28-75	1125	2	473	.00471	.73
6-28-75	1150	2	470	.0039	.69
6-30-75	1040	2	740	.0065	1.26
6-30-75	1105	2	740	.0147	1.31
6-30-75	1132	2	740	.0133	.99
7- 9-75	1255	2	711	.0113	.85
7- 9-75	1330	2	706	.0165	.91
7-11-75	1155	2	585	.0067	1.31
7-11-75	1225	2	585	.0112	1.31
7-11-75	1255	2	579	.0046	.78
7-14-75	1315	2	236	.0002	.60

Table 34.--Summary of bedload transport, East Fork River,  
section B-1--Continued.

\* Median time of data collection; operation of sampler may span  
a period of several hours.

† 1 = conveyor belt

2 = Helley-Smith with 3-inch square orifice

3 = Helley-Smith with 6-inch square orifice

‡ Average over period of sampling; does not necessarily indicate  
exact discharge at median time indicated in column two.

§ Transport rate of bedload by dry mass per unit width; average  
over 32 ft bottom width of channel.

|| Complete grain-size data given in table 37.

Table 35.--Summary of bedload transport, East Fork River,  
section B-17.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
5-25-75	1200	2	83.0	0.0041	0.82
5-25-75	1130	2	83.0	.0016	.48
5-26-75	1145	2	85.1	.0034	.74
5-26-75	1215	2	84.0	.0050	.57
5-27-75	1200	2	86.2	.0023	.70
5-27-75	1230	2	86.2	.0042	.49
6- 1-75	1030	2	115	.0054	.49
6- 1-75	1050	2	115	.0058	.61
6- 2-75	1105	1	211	.0325	.74
6- 2-75	1315	2	190	.0436	.64
6- 2-75	1335	2	189	.0503	.87
6- 3-75	1500	2	320	.0062	.78
6- 4-75	1340	1	371	.0546	1.16
6- 4-75	1310	2	357	.0661	.99
6- 5-75	1135	1	396	.0653	1.26
6- 5-75	1350	2	374	.0344	1.06

Table 35.--Summary of bedload transport, East Fork River,  
section B-17--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6- 5-75	1420	2	371	0.0557	1.05
6- 6-75	1205	1	752	.2093	1.36
6- 6-75	1025	2	738	.0723	.90
6- 6-75	1130	2	752	.0578	.97
6- 7-75	1205	1	939	.1390	1.28
6- 7-75	1106	2	950	.0848	.95
6- 7-75	1132	2	953	.0319	.68
6- 7-75	1400	2	939	.1457	.93
6- 7-75	1511	2	932	.1274	1.27
6- 8-75	1150	1	971	.1165	1.41
6- 8-75	1005	2	968	.1362	1.24
6- 8-75	1030	2	971	.0689	1.28
6- 9-75	1200	1	925	.0563	1.35
6- 9-75	1025	2	957	.0796	.82
6- 9-75	1048	2	957	.0708	1.50
6-10-75	1105	2	600	.0453	1.11

Table 35--Summary of bedload transport, East Fork River,  
section B-17--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6-10-75	1149	2	590	0.0200	1.41
6-11-75	1030	2	385	.0141	1.15
6-11-75	1115	2	381	.0151	1.02
6-12-75	1000	2	378	.0075	.49
6-12-75	1030	2	374	.0084	.48
6-13-75	1130	1	590	.0186	.50
6-13-75	1045	2	590	.0226	.70
6-13-75	1105	2	590	.0169	.44
6-14-75	1615	1	975	.0622	1.27
6-15-65	1400	1	1,109	.0800	1.05
6-16-75	1200	1	1,158	.0800	1.19
6-17-75	1136	1	840	.0535	1.36
6-17-75	0815	2	865	.0591	1.58
6-17-75	0845	2	865	.0707	1.38
6-18-75	1015	2	484	.0178	.57
6-18-75	1035	2	484	.0131	.59



Table 35. --Summary of bedload transport, East Fork River,  
section B-17--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6-19-75	1112	1	371	0.0065	0.73
6-19-75	1050	2	385	.0110	.70
6-19-75	1110	2	385	.0077	.65
6-20-75	1520	2	252	.0027	.55
6-20-75	1535	2	252	.0030	.50
6-21-75	1330	1	264	.0022	.70
6-21-75	1110	2	272	.0026	.52
6-21-75	1125	2	272	.0034	.65
6-22-75	1400	1	256	.0032	.64
6-22-75	1145	2	264	.0050	.81
6-22-75	1200	2	264	.0067	.56
6-23-75	1320	1	302	.0042	.77
6-23-75	1415	2	298	.0065	.92
6-23-75	1430	2	298	.0103	1.08
6-24-75	1352	1	399	.0130	.98
6-24-75	1250	2	399	.0171	.82

Table 35. --Summary of bedload transport, East Fork River,  
section B-17--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6-24-75	1310	2	399	0.0123	0.78
6-25-75	1530	1	819	.0563	1.10
6-25-75	1130	2	759	.0622	.88
6-25-75	1150	2	766	.0547	.99
6-25-75	1708	2	823	.0613	1.19
6-25-75	1725	2	823	.0487	1.56
6-26-75	1232	1	487	.0266	.99
6-26-75	0925	2	562	.0460	.82
6-26-75	0947	2	554	.0656	.76
6-26-75	1625	2	417	.0345	1.04
6-26-75	1650	2	410	.0459	1.03
7- 1-75	1115	1	876	.1456	1.63
7- 8-75	1515	1	812	.0213	.91
5-24-74	1500	2	104	.0010	1.22
5-25-74	1100	1	192	.0038	.54

Table 35.--Summary of bedload transport, East Fork River,  
section B-17--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
5-25-74	1300	2	192	0.0031	0.41
5-26-74	1600	1	364	.0552	.59
5-26-74	1430	2	381	.0303	.50
5-27-74	1200	1	809	.1181	1.03
5-27-74	1600	2	823	.1144	.98
5-28-74	1245	1	1,130	.1515	1.40
5-28-74	1015	2	1,049	.1029	1.07
5-28-74	1745	2	1,151	.1702	1.15
5-29-74	1230	1	1,589	.1957	1.52
5-29-74	1030	2	1,600	.2033	1.14
5-30-74	1245	1	1,222	.0528	1.51
5-30-74	1030	2	1,285	.0825	1.76
5-31-74	1230	1	862	.0435	1.40
5-31-74	1100	2	886	.0516	1.14
6-1-74	1200	1	915	.0138	.94
6-1-74	1100	2	911	.0134	.68

Table 35.--Summary of bedload transport, East Fork River,  
section B-17--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload    size D <sub>50</sub> (mm)
6- 2-74	1045	1	961	0.0087	0.99
6- 2-74	1130	2	971	.0071	.40
6- 3-74	1100	1	1,116	.0117	.88
6- 3-74	1115	2	1,127	.0157	.49
6- 4-74	1045	1	1,049	.0181	.92
6- 4-74	1115	2	1,059	.0206	.59
6- 5-74	1030	1	999	.0205	.81
6- 5-74	1015	2	999	.0300	.70
5-26-73	1340	1	600	.0082	1.35
6- 1-73	1030	2	586	.0044	.45
6- 2-73	1221	1	664	.0158	.74
6- 2-73	1035	2	653	.0186	.58
6- 3-73	1040	2	635	.0286	.71
6- 6-73	1140	2	420	.0050	.56
6- 7-73	0910	2	579	.0257	.60

Table 35.--Summary of bedload transport, East Fork River,  
section B-17--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
6- 8-73	0950	1	731	0.0159	0.98
6- 8-73	0940	2	696	.0040	.42
6- 9-73	1327	2	999	.0743	1.53
6- 9-73	1443	2	975	.1091	1.13

\* Median time of data collection; operation of sampler may span a period of several hours.

† 1 = conveyor belt

2 = Helley-Smith with 3-inch square orifice

3 = Helley-Smith with 6-inch square orifice

‡ Average over period of sampling; does not necessarily indicate exact discharge at median time indicated in column two.

§ Transport rate of bedload by dry mass per unit width; average over 48 ft bottom width of channel.

|| Complete grain-size data given in table 38.

Table 36.--Summary of bedload transport, Muddy Creek at gage.

Date	Time*	Sampler† type	Total‡	Bedload§	Bedload
			river	unit	size
			discharge	transport	D <sub>50</sub>
			Q	rate	(mm)
			(ft <sup>3</sup> /s)	j <sub>b</sub> (lb/ft s)	
4- 6-75	----	2	5.35	0.0014	0.50
4- 6-75	----	2	5.35	.0015	.56
4-14-75	0750	2	6.18	.0004	.48
4-15-75	0915	2	7.21	.0013	.56
4-16-75	0845	2	6.79	.0010	.53
4-21-75	0930	2	6.37	.0005	.39
4-22-75	1030	2	8.20	.0005	.34
4-23-75	----	2	9.98	.0002	.32
4-23-75	----	2	9.98	.0005	.41
4-23-75	----	2	9.40	.0020	.49
4-24-75	0915	2	13.5	.0031	.59
4-24-75	0950	2	13.5	.0034	.54
4-24-75	0845	2	14.2	.0005	.23
4-25-75	0750	2	20.6	.0036	.64
4-25-75	0655	2	20.6	.0045	.75
4-25-75	0930	2	22.0	.0045	.66
4-26-75	0930	2	25.3	.0074	.37
4-26-75	1250	2	26.5	.0054	.46

Table 36.--Summary of bedload transport, Muddy Creek at gage

--Continued,

Date	Time*	Sampler† type	Total‡	Bedload§	Bedload
			river	unit	size
			discharge	transport	
			Q	rate	D <sub>50</sub>
			(ft <sup>3</sup> /s)	j <sub>b</sub> (lb/ft s)	(mm)
4-26-75	1220	2	26.5	0.0052	0.55
4-27-75	-----	2	30.0	.0035	.30
4-27-75	1140	2	30.0	.0027	.33
4-27-75	0950	2	30.5	.0029	.32
4-28-75	1023	2	17.5	.0130	.48
4-28-75	1100	2	16.0	.0088	.56
4-29-75	0940	2	16.8	.0178	.54
4-29-75	1045	2	16.4	.0323	.56
4-29-75	1100	2	16.4	.0248	.59
4-30-75	0950	2	24.4	.0240	.58
4-30-75	1040	2	25.0	.0324	.58
5- 1-75	0950	2	20.8	.0478	.60
5- 1-75	0925	2	21.0	.0567	.60
5- 2-75	1000	2	29.1	.0237	.61
5- 2-75	1030	2	29.1	.0604	.61
5- 2-75	-----	2	29.1	.0382	.50
5- 3-75	1830	2	54.0	.0635	.66

Table 36.--Summary of bedload transport, Muddy Creek at gage

--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
5- 3-75	0850	2	30.3	0.0348	0.59
5- 3-75	0915	2	33.5	.0616	.60
5- 3-75	1700	2	51.0	.0478	1.12
5- 3-75	1050	2	34.7	.0245	.44
5- 3-75	1020	2	34.0	.0217	.55
5- 4-75	1000	2	45.9	.1110	.69
5- 4-75	1100	2	45.9	.0851	.81
5- 5-75	0930	2	48.2	.9620	.83
5- 5-75	1000	2	49.0	.1130	.85
5- 5-75	1100	2	49.0	.1210	.80
5- 6-75	1015	2	42.0	.0408	.88
5- 6-75	1100	2	41.5	.0241	.94
5- 7-75	1115	2	38.2	.0095	.72
5- 7-75	1130	2	38.2	.0191	1.08
5- 7-75	1230	2	38.2	.0216	.94
5- 8-75	1143	2	31.8	.0310	.65
5- 8-75	1210	2	31.5	.0200	.76



Table 36.--Summary of bedload transport, Muddy Creek at gage  
--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft³/s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
5- 8-75	1305	2	31.5	0.0232	0.89
5- 9-75	0905	2	34.8	.0417	.54
5- 9-75	0935	2	34.8	.0319	.53
5- 9-75	1000	2	34.3	.0398	.83
5-23-75	1310	2	15.0	.0316	.62
5-23-75	1350	2	15.0	.0259	.63
5-23-75	1420	2	15.0	.0242	.61
5-30-75	1637	2	10.6	.0210	.54
5-30-75	1715	2	10.6	.0182	.53
5-30-75	1730	2	10.6	.0111	.54
6- 5-75	1200	2	14.5	.0158	.56
6- 5-75	1235	2	14.5	.0173	.59
6-11-75	1400	2	39.5	.0499	.55
6-11-75	1430	2	39.5	.0557	.63
6-11-75	1500	2	39.5	.0564	.55
6-20-75	1410	2	49.9	.0892	.73
6-20-75	1435	2	49.9	.0983	.83

Table 36.--Summary of bedload transport, Muddy Creek at gage

--Continued.

Date	Time*	Sampler† type	Total‡	Bedload§	Bedload
			river	unit	size
			discharge	transport	
			Q	rate	D <sub>50</sub>
			(ft <sup>3</sup> /s)	j <sub>b</sub> (lb/ft s)	(mm)
5- 3-75	0850	2	30.3	0.0348	0.59
5- 3-75	0915	2	33.5	.0616	.60
5- 3-75	1700	2	51.0	.0478	1.12
5- 3-75	1050	2	34.7	.0245	.44
5- 3-75	1020	2	34.0	.0217	.55
5- 4-75	1000	2	45.9	.1110	.69
5- 4-75	1100	2	45.9	.0851	.81
5- 5-75	0930	2	48.2	.9620	.83
5- 5-75	1000	2	49.0	.1130	.85
5- 5-75	1100	2	49.0	.1210	.80
5- 6-75	1015	2	42.0	.0408	.88
5- 6-75	1100	2	41.5	.0241	.94
5- 7-75	1115	2	38.2	.0095	.72
5- 7-75	1130	2	38.2	.0191	1.08
5- 7-75	1230	2	38.2	.0216	.94
5- 8-75	1143	2	31.8	.0310	.65
5- 8-75	1210	2	31.5	.0200	.76

Table 36.--Summary of bedload transport, Muddy Creek at gage

--Continued

Date	Time*	Sampler† type	Total‡	Bedload§	Bedload
			river	unit	size
			discharge	transport	D <sub>50</sub>
			Q	rate	(mm)
			(ft <sup>3</sup> /s)	j <sub>b</sub> (lb/ft s)	
5- 8-75	1305	2	31.5	0.0232	0.89
5- 9-75	0905	2	34.8	.0417	.54
5- 9-75	0935	2	34.8	.0319	.53
5- 9-75	1000	2	34.3	.0398	.83
5-23-75	1310	2	15.0	.0316	.62
5-23-75	1350	2	15.0	.0259	.63
5-23-75	1420	2	15.0	.0242	.61
5-30-75	1637	2	10.6	.0210	.54
5-30-75	1715	2	10.6	.0182	.53
5-30-75	1730	2	10.6	.0111	.54
6- 5-75	1200	2	14.5	.0158	.56
6- 5-75	1235	2	14.5	.0173	.59
6-11-75	1400	2	39.5	.0499	.55
6-11-75	1430	2	39.5	.0557	.63
6-11-75	1500	2	39.5	.0564	.55
6-20-75	1410	2	49.9	.0892	.73
6-20-75	1435	2	49.9	.0983	.83

Table 36.--Summary of bedload transport, Muddy Creek at gage  
--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
5- 3-75	0850	2	30.3	0.0348	0.59
5- 3-75	0915	2	33.5	.0616	.60
5- 3-75	1700	2	51.0	.0478	1.12
5- 3-75	1050	2	34.7	.0245	.44
5- 3-75	1020	2	34.0	.0217	.55
5- 4-75	1000	2	45.9	.1110	.69
5- 4-75	1100	2	45.9	.0851	.81
5- 5-75	0930	2	48.2	.9620	.83
5- 5-75	1000	2	49.0	.1130	.85
5- 5-75	1100	2	49.0	.1210	.80
5- 6-75	1015	2	42.0	.0408	.88
5- 6-75	1100	2	41.5	.0241	.94
5- 7-75	1115	2	38.2	.0095	.72
5- 7-75	1130	2	38.2	.0191	1.08
5- 7-75	1230	2	38.2	.0216	.94
5- 8-75	1143	2	31.8	.0310	.65
5- 8-75	1210	2	31.5	.0200	.76

Table 36.--Summary of bedload transport, Muddy Creek at gage

--Continued.

Date	Time*	Sampler† type	Total‡ river discharge Q (ft <sup>3</sup> /s)	Bedload§ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload   size D <sub>50</sub> (mm)
5- 8-75	1305	2	31.5	0.0232	0.89
5- 9-75	0905	2	34.8	.0417	.54
5- 9-75	0935	2	34.8	.0319	.53
5- 9-75	1000	2	34.3	.0398	.83
5-23-75	1310	2	15.0	.0316	.62
5-23-75	1350	2	15.0	.0259	.63
5-23-75	1420	2	15.0	.0242	.61
5-30-75	1637	2	10.6	.0210	.54
5-30-75	1715	2	10.6	.0182	.53
5-30-75	1730	2	10.6	.0111	.54
6- 5-75	1200	2	14.5	.0158	.56
6- 5-75	1235	2	14.5	.0173	.59
6-11-75	1400	2	39.5	.0499	.55
6-11-75	1430	2	39.5	.0557	.63
6-11-75	1500	2	39.5	.0564	.55
6-20-75	1410	2	49.9	.0892	.73
6-20-75	1435	2	49.9	.0983	.83

Table 36.--Summary of bedload transport, Muddy Creek at gage

--Continued.

Date	Time*	Sampler† type	Total river discharge Q (ft <sup>3</sup> /s)	Bedload‡ unit transport rate j <sub>b</sub> (lb/ft s)	Bedload  size D <sub>50</sub> (mm)
6-20-75	1500	2	49.9	0.0674	0.71
7-11-75	1525	2	55.5	.0588	.70
7-11-75	1540	2	55.5	.0988	.69
7-11-75	1625	2	55.5	.0968	.70
7-31-75	-----	2	42.0	.0503	.60
7-31-75	-----	2	42.0	.0574	.77
7-31-75	-----	2	42.0	.0549	.65
8- 7-75	-----	2	32.5	.0503	.73
8- 7-75	-----	2	32.5	.0354	.73
8- 7-75	-----	2	32.5	.0421	.73
8-17-75	-----	2	23	.0343	.70
8-17-75	-----	2	23	.0323	.70
8-17-75	-----	2	23	.0292	.68
8-25-75	-----	2	15.6	.0211	.61
8-25-75	-----	2	15.6	.0185	.63
8-25-75	-----	2	15.6	.0231	.59
8-31-75	-----	2	14.4	.0118	.63

Table 36.--Summary of bedload transport, Muddy Creek at gage

--Continued.

Date	Time*	Sampler† type	Total‡	Bedload§	Bedload
			river	unit	size
			discharge	transport	
			Q	rate	D <sub>50</sub>
			(ft <sup>3</sup> /s)	j <sub>b</sub> (lb/ft s)	(mm)
8-31-75	----	2	14.4	0.0185	0.63
8-31-75	----	2	14.4	.0185	.65

\* Median time of data collection; operation of sampler may span a period of several hours.

† 1 = conveyor belt

2 = Helley-Smith with 3-inch square orifice

3 = Helley-Smith with 6-inch square orifice

‡ Average over period of sampling; does not necessarily indicate exact discharge at median time indicated in column two.

§ Transport rate of bedload by dry mass per unit width; average over 13 ft bottom width of channel.

|| Complete grain-size data given in table 39.

Table 37.---Particle-size distribution of bedload sediment, East Fork River, section B-1

[Sample sequence corresponds to that in table 34]

Date	Time*	†Sampler	Percent finer than indicated size, in mm																					
			type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.83	4.00	5.66	8.00	11.3	16.0	22.6	32.0	45.0	64.0
6- 4-75	1040	3		10.8	13.6	18.2	30.6	56.8	82.4	92.0	93.2	93.5	93.8	94.1	95.1	96.3	99.9	----	----	----	----	----	----	----
6- 5-75	1000	3		1.0	1.7	2.8	4.5	14.3	35.9	64.8	85.7	93.7	96.9	98.3	99.3	99.7	99.9	----	----	----	----	----	----	----
6- 6-75	0800	3		1.1	2.0	6.7	7.9	20.0	38.9	67.0	88.5	96.3	98.3	99.2	99.7	99.9	----	----	----	----	----	----	----	----
6- 6-75	0835	3		1.1	1.5	2.5	4.9	10.6	20.0	36.9	59.2	75.6	88.0	95.8	98.7	99.7	99.9	----	----	----	----	----	----	----
6- 6-75	1422	2		0.2	0.3	0.5	0.7	1.5	3.8	12.6	33.5	56.0	74.4	87.6	94.6	98.1	99.5	99.9	----	----	----	----	----	----
6- 6-75	1445	2		0.9	1.2	1.8	3.0	7.7	20.6	44.4	66.5	76.9	84.7	89.9	93.5	96.8	98.3	98.8	99.2	99.9	----	----	----	----
6- 7-75	0815	2		0.4	0.7	0.9	1.7	3.9	7.9	15.9	27.6	38.2	50.7	66.4	80.3	91.6	96.7	98.9	99.3	99.9	----	----	----	----
6- 7-75	1020	2		0.3	0.4	0.7	1.3	3.2	8.8	27.9	58.8	76.3	87.1	93.6	97.1	99.1	99.9	----	----	----	----	----	----	----
6- 7-75	1040	2		0.3	0.5	0.6	1.1	2.3	5.1	13.6	29.3	42.4	56.7	72.1	84.5	93.8	98.4	99.6	99.9	----	----	----	----	----
6- 7-75	1100	2		0.2	0.3	0.6	0.9	2.0	4.0	9.1	19.5	30.9	44.9	61.7	77.2	90.0	96.6	99.3	99.9	----	----	----	----	----
6- 7-75	1220	2		0.5	0.7	1.4	1.4	2.4	4.5	13.6	38.0	59.1	75.2	87.1	94.2	98.3	99.7	99.9	----	----	----	----	----	----
6- 7-75	1255	3		3.0	3.7	6.5	15.0	31.8	61.1	73.5	76.9	78.0	78.7	79.5	80.5	81.5	82.6	83.9	85.5	86.4	87.5	87.5	99.9	----
6- 8-75	1055	2		0.4	0.6	0.8	1.4	2.8	5.3	10.1	19.8	33.6	53.6	76.1	90.1	97.0	99.4	99.8	99.9	----	----	----	----	----
6- 8-75	1115	2		1.2	1.6	2.2	4.1	11.1	26.5	43.3	60.1	71.3	79.7	86.7	92.3	95.8	97.9	99.9	----	----	----	----	----	----
6- 8-75	1140	2		0.4	0.5	0.7	1.2	3.2	6.9	12.4	19.9	27.3	37.2	51.9	68.3	84.4	94.5	98.8	99.9	----	----	----	----	----
6- 8-75	1200	2		0.4	0.6	0.9	1.5	4.3	10.7	18.2	25.8	32.6	41.6	55.6	71.9	88.0	96.8	99.9	----	----	----	----	----	----
6- 9-75	1050	2		0.2	0.3	0.4	0.7	2.2	5.9	13.0	25.0	36.4	47.9	59.0	69.4	80.0	89.5	96.0	98.8	99.9	----	----	----	----
6- 9-75	1110	2		0.5	0.6	0.8	1.5	5.7	16.4	29.8	41.5	49.6	58.4	70.4	80.8	89.9	96.1	99.4	99.9	----	----	----	----	----
6- 9-75	1125	2		0.1	0.2	0.3	0.6	1.9	5.6	12.9	25.6	38.9	53.7	68.7	80.1	89.3	95.3	99.4	99.8	99.9	----	----	----	----
6- 9-75	1145	2		0.2	0.2	0.4	0.7	2.8	8.5	20.8	41.2	58.4	73.7	85.3	92.2	97.2	99.1	99.8	99.9	----	----	----	----	----
6-10-75	1200	2		1.3	1.9	2.5	4.0	13.9	29.6	51.3	56.7	74.2	85.5	93.3	97.3	98.7	99.9	----	----	----	----	----	----	----
6-10-75	1220	2		0.5	7.1	9.6	14.1	37.8	64.1	80.8	89.1	93.0	94.9	96.2	98.1	98.7	99.9	----	----	----	----	----	----	----
6-13-75	1210	2		2.0	2.6	4.0	6.6	32.6	64.8	74.0	77.0	78.3	81.6	84.5	88.8	93.4	96.7	99.9	----	----	----	----	----	----



Table 37.---Particle-size distribution of bedload sediment, East Fork River, section B-1

[Sample sequence corresponds to that in table 34]

Date	Time* †Sampler	Percent finer than indicated size, in mm																			
type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.83	4.00	5.66	8.00	11.3	16.0	22.6	32.0	45.0	64.0
6-14-75	1045	2	0.2	0.3	0.5	0.8	2.0	5.4	13.4	29.9	47.2	64.4	79.9	89.5	95.4	98.2	99.6	99.9	----	----	----
6-14-75	1115	2	0.3	0.4	0.5	0.9	2.6	7.1	12.7	16.9	19.4	22.1	28.4	40.5	59.4	77.5	92.4	97.1	99.9	----	----
6-14-75	1130	2	0.4	0.6	0.9	1.5	4.1	10.5	21.0	35.2	47.9	62.3	78.0	89.6	96.8	99.1	99.7	99.9	----	----	----
6-14-75	1145	2	0.3	0.5	0.8	1.4	3.7	9.6	18.1	27.8	37.0	49.1	63.8	76.2	87.0	93.4	97.8	99.9	----	----	----
6-15-75	1035	2	0.6	0.9	1.1	1.7	5.7	13.9	24.9	36.3	44.2	52.4	62.6	73.9	85.8	94.3	99.7	99.9	----	----	----
6-15-75	1055	2	0.1	0.2	0.3	0.6	1.4	3.4	9.4	23.0	37.8	52.8	68.9	81.4	91.3	96.7	99.2	99.9	----	----	----
6-15-75	1110	2	0.1	0.3	0.5	0.9	3.2	7.5	13.7	23.6	34.0	47.5	64.2	79.6	91.5	96.7	99.4	99.9	----	----	----
6-15-75	1130	2	0.3	0.7	0.7	1.4	3.6	8.1	15.9	29.3	42.3	56.2	70.4	82.7	92.6	98.0	99.7	99.9	----	----	----
6-16-75	1305	2	0.6	0.6	1.0	1.6	6.0	17.1	31.4	45.4	53.3	59.7	66.7	73.7	81.6	87.6	94.6	99.9	----	----	----
6-16-75	1325	2	0.4	0.4	0.5	0.9	3.5	9.5	18.8	34.2	48.9	63.7	77.5	88.6	93.5	97.4	99.7	99.9	----	----	----
6-16-75	1345	2	0.2	0.4	0.6	0.8	3.9	11.1	21.7	36.1	47.1	57.0	66.2	74.4	82.8	90.4	95.9	98.6	99.9	----	----
6-16-75	1405	2	0.3	0.3	0.5	0.9	3.2	9.2	17.2	27.0	35.4	43.9	53.7	63.3	73.1	82.7	90.8	96.3	99.9	----	----
6-17-75	1020	2	0.7	1.0	1.3	2.0	9.3	24.1	38.8	48.3	55.7	62.0	71.5	80.0	87.3	92.6	97.9	99.9	----	----	----
6-17-75	1040	2	0.7	0.9	1.2	1.9	7.1	15.6	24.1	32.0	37.9	43.8	52.9	62.7	74.5	83.7	94.1	99.9	----	----	----
6-17-75	1100	2	0.8	1.2	1.6	2.8	15.2	35.1	52.5	65.3	71.6	76.3	82.5	88.0	92.1	97.0	98.0	99.9	----	----	----
6-17-75	1115	2	2.3	3.0	4.0	6.3	25.1	55.5	75.9	86.8	90.8	93.1	95.1	97.4	99.3	99.9	----	----	----	----	----
6-17-75	1130	2	0.5	0.7	0.9	1.4	6.6	15.7	24.1	33.9	42.3	50.1	59.8	69.5	79.3	86.4	94.2	99.9	----	----	----
6-24-75	1040	2	0.8	1.4	1.9	3.9	24.2	62.9	88.7	95.3	97.0	98.1	98.9	99.7	99.9	----	----	----	----	----	----
6-24-75	1115	2	0.4	0.5	0.7	1.2	6.8	23.2	47.0	67.1	79.6	89.0	95.6	98.4	99.5	99.9	----	----	----	----	----
6-25-75	1105	2	0.2	0.2	0.3	0.5	0.7	2.7	8.8	24.8	34.3	49.0	67.8	82.9	92.5	96.3	98.4	99.9	----	----	----
6-25-75	1125	2	0.7	0.7	0.7	1.1	1.8	6.1	20.9	61.0	73.7	85.2	94.2	97.8	98.9	99.9	----	----	----	----	----
6-25-75	1145	2	0.5	0.5	0.7	1.4	4.6	16.9	38.1	52.1	59.1	66.7	77.2	86.5	92.7	95.7	98.0	98.9	99.9	----	----
5-25-75	1200	2	0.5	0.6	0.9	1.6	5.4	18.2	35.2	47.6	56.9	69.6	84.0	93.2	97.2	98.7	99.6	99.9	----	----	----

Table 37.---Particle-size distribution of bedload sediment, East Fork River, section B-1

[Sample sequence corresponds to that in table 34]

Date	Time* †Sampler	Percent finer than indicated size, in mm																				
	type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.83	4.00	5.66	8.00	11.3	16.0	22.6	32.0	45.0	64.0
6-25-75	2	0.1	0.4	0.5	0.7	2.1	8.2	31.6	61.1	80.4	91.2	96.5	98.8	99.7	99.8	99.9	----	----	----	----	----	----
6-25-75	2	0.8	1.0	1.6	2.9	14.4	46.5	76.0	87.7	91.4	93.5	95.3	96.6	97.4	97.9	99.0	99.0	99.9	----	----	----	----
6-26-75	2	0.4	0.6	0.7	1.1	4.0	11.6	25.0	41.1	50.2	56.7	66.3	79.7	90.9	94.8	97.5	97.5	99.9	----	----	----	----
6-26-75	2	0.1	0.1	0.1	0.2	0.3	0.6	1.6	10.7	20.1	33.4	52.9	75.3	92.8	97.6	99.9	----	----	----	----	----	----
6-26-75	2	0.5	0.7	1.0	1.5	6.6	9.0	30.8	49.6	62.7	73.9	87.3	95.2	99.6	99.9	----	----	----	----	----	----	----
6-26-75	2	0.1	0.1	0.2	0.2	0.4	1.7	6.3	16.0	30.1	48.3	68.8	86.6	96.3	98.8	99.6	99.9	----	----	----	----	----
6-27-75	2	0.2	0.3	0.4	0.7	4.3	15.2	32.1	47.0	58.1	66.0	77.4	88.4	96.0	99.6	99.9	----	----	----	----	----	----
6-27-75	2	0.1	0.1	0.1	0.1	0.8	3.4	11.4	26.8	45.3	64.5	81.2	92.8	98.3	99.5	99.9	----	----	----	----	----	----
6-28-75	2	0.1	0.1	0.2	0.3	2.5	7.6	14.9	24.6	35.5	46.0	55.9	66.6	78.9	86.4	91.4	92.5	92.5	92.5	92.5	99.9	----
6-28-75	2	0.2	0.2	0.2	0.6	4.3	12.7	26.3	47.4	70.0	84.8	92.4	96.1	98.3	99.0	99.6	99.9	----	----	----	----	----
6-28-75	2	0.2	0.2	0.5	0.7	5.5	15.9	32.5	51.8	69.6	82.4	90.3	93.8	96.7	98.6	98.6	98.8	99.9	----	----	----	----
6-30-75	2	0.4	0.6	0.7	1.3	5.2	15.1	27.2	38.1	46.3	51.8	56.9	61.8	67.4	70.4	72.7	73.7	75.1	75.1	75.1	81.1	99.9
6-30-75	2	0.1	0.2	0.4	0.7	2.7	7.4	13.9	24.0	38.2	53.4	67.9	80.6	91.6	96.1	98.5	99.9	----	----	----	----	----
6-30-75	2	0.1	0.2	0.4	0.6	2.6	7.9	17.0	32.4	50.6	65.5	76.6	85.7	93.9	97.2	99.2	99.8	99.9	----	----	----	----
6-09-75	2	0.1	0.4	0.5	0.7	2.9	9.9	22.3	39.2	59.3	76.6	88.2	94.6	98.1	98.9	99.4	99.6	99.9	----	----	----	----
7-09-75	2	0.1	0.2	0.3	0.6	1.8	6.3	16.4	34.3	55.8	73.3	85.8	93.7	97.8	98.8	99.4	99.8	99.9	----	----	----	----
7-11-75	2	0.1	0.1	0.3	1.0	2.8	8.6	16.7	27.6	41.1	52.6	60.1	66.9	70.9	72.0	72.7	72.7	72.7	72.7	72.7	99.9	----
7-11-75	2	0.2	0.2	0.3	0.3	2.1	6.2	12.1	21.7	36.6	53.9	70.2	83.7	93.9	97.9	99.6	99.9	----	----	----	----	----
7-11-75	2	0.2	0.2	0.2	0.4	3.6	12.2	24.4	44.4	64.4	78.0	86.4	91.8	96.0	97.8	99.2	99.9	----	----	----	----	----
7-14-75	2	0.9	1.3	1.8	3.0	14.8	31.6	43.9	56.0	64.4	71.1	78.8	88.1	95.4	98.6	99.9	----	----	----	----	----	----

\* Median time of data collection; operation of sampler may span a period of several hours.

† 1 = conveyor belt.

2 = Relley-Smith with 3-inch square orifice.

Table 38.--Particle-size distribution of bedload sediment, East Fork River, section B-17

[Sample sequence corresponds to that in table 35]

Date	Time*	†Sampler	Percent finer than indicated size, in mm																				
		type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3	16.0	22.6	32.0	45.0	64.0
5-25-75	1200	2	0.3	0.6	0.6	0.9	3.0	12.0	28.7	45.5	56.0	70.4	87.1	98.5	99.7	99.9	----	----	----	----	----	----	----
5-25-75	1130	2	0.8	0.8	0.8	1.5	4.6	19.8	54.2	81.7	92.4	96.9	99.2	99.9	-----	-----	-----	-----	-----	-----	-----	-----	-----
5-26-75	1145	2	0.7	0.7	1.1	1.5	3.6	12.0	28.8	47.8	64.6	81.8	94.5	98.2	99.3	99.6	99.9	-----	-----	-----	-----	-----	-----
5-26-75	1215	2	0.5	0.7	1.0	1.2	4.2	15.2	39.6	66.3	85.3	94.6	98.5	99.5	99.8	99.9	-----	-----	-----	-----	-----	-----	-----
5-27-75	1200	2	0.5	1.1	1.1	1.6	3.8	11.4	27.7	50.5	72.8	91.8	98.9	99.5	99.9	-----	-----	-----	-----	-----	-----	-----	-----
5-27-75	1230	2	0.6	0.9	1.2	1.5	4.1	19.4	53.2	83.8	95.0	98.8	99.4	99.7	99.9	-----	-----	-----	-----	-----	-----	-----	-----
6- 1-75	1030	2	0.7	0.9	1.4	2.7	12.6	31.1	51.1	69.4	81.1	89.3	93.6	96.1	97.3	97.7	98.6	99.3	99.9	-----	-----	-----	-----
6- 1-75	1050	2	0.4	0.6	0.8	1.7	8.1	20.2	39.1	58.4	72.8	80.9	85.1	87.0	88.1	89.0	89.8	90.9	93.8	99.9	-----	-----	-----
6- 2-75	1105	1	0.5	0.7	1.1	1.9	4.3	14.2	30.8	48.1	60.8	73.7	85.7	92.2	96.5	99.0	99.8	99.9	-----	-----	-----	-----	-----
6- 2-75	1315	2	0.4	0.5	0.7	1.1	3.9	18.0	36.7	55.6	68.7	80.8	90.8	96.3	98.6	99.5	99.8	99.9	-----	-----	-----	-----	-----
6- 2-75	1335	2	0.4	0.4	0.6	1.0	2.8	12.1	26.8	42.4	55.2	69.1	83.6	92.9	97.9	99.1	99.7	99.9	-----	-----	-----	-----	-----
6- 3-75	1500	2	0.9	1.3	1.7	2.7	6.4	16.5	32.6	46.6	58.8	70.6	82.4	91.7	97.3	98.5	99.5	99.5	99.9	-----	-----	-----	-----
6- 4-75	1340	1	0.2	0.3	0.5	0.8	1.6	4.8	14.4	29.1	43.1	59.0	76.7	89.4	96.5	98.6	99.7	99.8	99.9	-----	-----	-----	-----
6- 4-75	1310	2	0.3	0.3	0.5	0.7	1.6	4.7	13.8	32.0	50.4	65.0	78.7	89.2	96.3	98.8	99.7	99.9	-----	-----	-----	-----	-----
6- 5-75	1135	1	0.2	0.3	0.4	0.6	1.0	3.2	10.4	24.2	38.6	55.5	73.5	86.9	95.4	98.6	99.5	99.8	99.9	-----	-----	-----	-----
6- 5-75	1350	2	0.5	0.7	0.9	1.4	3.0	7.9	17.5	33.1	47.6	63.0	79.2	90.6	96.9	99.0	99.8	99.9	-----	-----	-----	-----	-----
6- 5-75	1420	2	0.3	0.4	0.6	0.9	2.0	5.5	14.6	31.7	47.6	63.3	78.9	89.9	96.8	99.0	99.8	99.9	-----	-----	-----	-----	-----
6- 6-75	1205	1	0.2	0.2	0.3	0.4	0.8	2.3	8.2	21.9	36.1	51.7	69.3	82.6	91.6	95.8	97.9	98.8	97.6	99.9	-----	-----	-----
6- 6-75	1025	2	0.4	0.6	0.8	1.3	3.2	9.0	21.8	39.9	54.6	67.5	79.0	87.8	94.2	97.1	98.6	99.4	99.6	99.9	-----	-----	-----
6- 6-75	1130	2	0.5	0.7	0.9	1.4	3.8	9.5	21.5	37.4	51.1	63.1	75.0	85.2	92.8	96.3	98.4	99.3	99.9	-----	-----	-----	-----
6- 7-75	1205	1	0.2	0.3	0.4	0.5	0.9	2.3	8.1	22.9	38.8	54.8	70.8	82.3	90.4	94.5	97.1	98.6	99.6	99.9	-----	-----	-----
6- 7-75	1106	2	0.5	0.5	0.7	1.2	3.5	8.8	21.1	38.7	52.2	64.5	76.0	85.3	92.7	96.0	98.0	99.1	99.5	99.9	-----	-----	-----
6- 7-75	1132	2	0.6	0.7	1.1	1.7	5.3	13.4	29.6	52.3	70.4	84.0	92.9	96.9	98.7	99.5	99.9	-----	-----	-----	-----	-----	-----

Table 38.---Particle-size distribution of bedload sediment, East Fork River, section B-17 --Continued

[Sample sequence corresponds to that in table 35]

Date	Time*	†Sampler	Percent finer than indicated size, in mm																					
			type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3	16.0	22.6	32.0	45.0	64.0
6- 7-75	1400	2	0.3	0.3	0.5	0.7	1.9	4.7	14.4	34.8	54.4	69.8	81.8	89.4	94.1	96.5	98.2	99.2	99.9	----	----	----	----	----
6- 7-75	1511	2	0.3	0.3	0.5	0.7	1.6	3.3	8.8	22.7	39.1	55.2	71.0	83.4	91.8	96.0	98.2	99.4	99.9	----	----	----	----	----
6- 8-75	1150	1	0.2	0.3	0.5	0.9	1.8	4.0	8.4	19.5	32.9	50.0	68.0	81.6	91.0	95.4	98.0	99.2	99.7	99.9	----	----	----	----
6- 8-75	1005	2	0.2	0.4	0.5	0.7	2.0	4.9	9.9	22.7	39.1	56.8	73.8	85.8	93.3	97.1	98.9	99.7	99.9	----	----	----	----	----
6- 8-75	1030	2	0.5	0.6	0.8	1.1	3.3	7.9	14.1	25.3	37.9	54.9	72.4	82.7	91.0	94.8	98.0	99.6	99.8	99.9	----	----	----	----
6- 9-75	1200	1	0.2	0.3	0.4	0.6	1.5	4.7	9.8	21.5	36.0	52.1	68.2	80.8	89.6	94.2	97.3	98.9	99.8	99.9	----	----	----	----
6- 9-75	1025	2	0.4	0.5	0.8	1.1	3.5	13.9	25.6	43.5	58.7	71.2	81.4	88.9	94.4	97.2	99.2	99.9	----	----	----	----	----	
6- 9-75	1048	2	0.3	0.3	0.5	0.6	2.8	9.9	16.4	24.1	34.0	47.2	62.9	76.9	89.0	94.2	97.6	99.2	99.9	----	----	----	----	----
6-10-75	1105	2	0.4	0.5	0.7	1.0	2.5	7.7	15.0	27.2	44.1	63.1	80.1	91.5	97.2	99.1	99.8	99.9	----	----	----	----	----	
6-10-75	1149	2	0.4	0.5	0.7	1.0	3.9	10.4	15.9	23.6	34.3	50.2	69.8	85.1	94.3	98.3	99.8	99.9	----	----	----	----	----	
6-11-75	1030	2	0.7	0.9	1.1	1.6	5.3	16.1	24.0	34.2	45.1	57.6	71.4	82.8	91.8	96.7	99.0	99.6	99.9	----	----	----	----	----
6-11-75	1115	2	0.5	0.7	1.0	1.4	5.1	15.9	25.0	35.6	49.0	64.0	79.2	90.2	96.8	98.8	99.7	99.8	99.9	----	----	----	----	----
6-12-75	1000	2	1.0	1.3	1.6	2.3	10.5	35.5	49.5	61.1	68.3	74.7	80.7	87.4	93.8	97.9	99.5	99.9	----	----	----	----	----	
6-12-75	1030	2	0.9	1.2	1.5	2.2	9.5	34.9	52.0	69.1	83.4	90.9	94.6	96.5	98.1	99.1	99.9	----	----	----	----	----	----	
6-13-75	1130	1	0.4	0.5	0.8	1.7	5.9	28.7	50.2	68.2	77.7	84.6	90.8	95.5	98.6	99.6	99.9	----	----	----	----	----	----	
6-13-75	1045	2	0.6	0.8	1.1	1.8	7.2	24.8	37.4	49.7	59.8	70.0	80.8	89.7	95.6	98.4	99.5	99.9	----	----	----	----	----	
6-13-75	1105	2	0.8	1.1	1.5	2.3	9.4	37.9	58.3	70.0	75.9	80.6	84.8	88.6	92.0	96.4	99.7	99.9	----	----	----	----	----	
6-14-75	1615	1	0.3	0.4	0.6	0.9	2.0	5.7	14.4	27.8	40.8	54.3	68.0	79.6	88.3	93.6	96.8	99.1	99.7	99.9	----	----	----	
6-15-75	1400	1	0.2	0.2	0.4	0.6	1.3	5.5	13.8	30.4	47.8	62.0	74.7	84.4	91.8	94.9	97.3	98.6	99.5	99.9	----	----	----	
6-16-75	1200	1	0.2	0.3	0.4	0.7	1.4	5.1	14.0	28.2	43.9	56.2	69.3	80.5	89.7	94.2	97.1	98.5	99.3	99.9	----	----	----	
6-17-75	1136	1	0.2	0.2	0.2	0.3	0.9	4.5	11.8	24.0	36.9	51.8	68.4	81.2	90.7	95.8	98.2	99.4	99.9	----	----	----	----	
6-17-75	0815	2	0.3	0.4	0.5	0.7	1.8	6.2	10.7	18.1	27.9	43.3	63.8	80.0	90.6	96.0	98.8	99.8	99.9	----	----	----	----	
6-17-75	0845	2	0.4	0.5	0.6	0.9	2.2	8.4	17.3	28.2	38.3	50.8	65.5	78.7	89.1	95.1	98.1	99.3	99.9	----	----	----	----	

Table 38.---Particle-size distribution of bedload sediment, East Fork River, section B-17---Continued

[Sample sequence corresponds to that in table 35]

Date	Time* +Sampler	Percent finer than indicated size, in mm																					
		type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3	16.0	22.6	32.0	45.0	64.0
6-18-75	1015	2	0.5	0.7	0.8	1.2	4.2	22.2	42.4	61.5	78.5	88.9	94.2	96.7	98.4	99.1	99.3	99.7	99.9	----	----	----	----
6-18-75	1035	2	0.7	0.8	1.0	1.5	4.9	24.4	42.3	58.8	74.3	86.1	93.5	97.1	99.0	99.5	99.9	----	----	----	----	----	
6-19-75	1112	1	0.2	0.4	0.6	1.2	3.5	16.6	30.0	48.9	63.1	76.4	87.4	93.8	97.3	98.9	99.6	99.9	----	----	----	----	
6-19-75	1050	2	0.4	0.7	0.8	1.2	4.8	19.7	33.1	50.7	67.4	81.2	90.2	94.4	96.9	98.3	99.6	99.9	----	----	----	----	
6-19-75	1110	2	0.3	0.6	0.8	1.1	5.8	23.8	39.1	53.7	65.8	78.3	89.1	95.0	97.8	99.0	99.9	----	----	----	----	----	
6-20-75	1520	2	0.5	0.5	0.9	1.4	9.0	30.8	47.1	58.4	68.3	74.7	80.1	84.6	89.6	92.8	97.3	98.6	99.9	----	----	----	
6-20-75	1535	2	0.4	0.4	0.8	1.2	7.8	29.4	49.8	67.3	77.1	84.5	90.2	93.9	96.3	97.6	99.9	----	----	----	----	----	
6-21-75	1330	1	0.6	0.9	1.6	2.9	7.0	20.6	35.0	50.2	63.8	74.7	83.7	90.5	95.4	97.3	99.0	99.9	----	----	----	----	
6-21-75	1110	2	0.9	0.9	1.4	2.3	11.1	33.3	48.6	60.6	68.5	74.5	80.1	85.2	89.4	92.6	97.7	99.9	----	----	----	----	
6-21-75	1125	2	0.7	0.7	1.1	1.8	11.5	30.9	43.5	52.2	59.4	66.5	74.1	82.4	89.2	93.2	97.5	99.9	----	----	----	----	
6-22-75	1400	1	0.5	0.6	1.1	2.4	7.0	22.9	39.0	54.9	68.6	78.7	86.7	92.2	96.2	98.1	99.0	99.5	99.9	----	----	----	
6-22-75	1145	2	0.5	0.5	0.7	1.2	5.8	20.8	34.6	46.0	56.7	70.7	86.4	95.4	98.8	99.5	99.9	----	----	----	----	----	
6-22-75	1200	2	0.4	0.4	0.7	0.9	6.5	27.1	45.9	59.2	68.5	76.0	83.9	92.3	96.1	98.2	99.4	99.9	----	----	----	----	
6-23-75	1320	1	0.4	0.7	1.0	1.7	4.1	15.5	29.8	45.7	61.9	75.0	85.1	92.1	96.6	98.5	99.3	99.8	99.9	----	----	----	
6-23-75	1415	2	0.6	0.8	1.0	1.5	6.1	21.0	32.1	42.2	52.7	64.7	77.1	87.0	92.4	94.8	97.5	98.7	99.9	----	----	----	
6-23-75	1430	2	0.4	0.5	0.7	1.1	4.5	16.5	26.9	35.8	47.0	61.0	76.2	88.2	95.5	99.1	99.9	----	----	----	----	----	
6-24-75	1352	1	0.6	0.7	1.0	1.5	3.2	12.7	24.2	36.4	50.7	64.1	77.6	88.1	94.9	98.2	99.8	99.9	----	----	----	----	
6-24-75	1250	2	0.4	0.6	0.8	1.2	4.0	17.0	33.5	46.2	55.1	65.1	77.7	88.8	95.4	98.8	99.8	99.9	----	----	----	----	
6-24-75	1310	2	0.5	0.7	0.9	1.4	4.9	18.5	34.7	47.3	57.5	67.0	78.3	89.6	96.0	98.4	99.5	99.9	----	----	----	----	
6-25-75	1530	1	0.4	0.4	0.4	0.7	1.5	5.9	17.8	33.5	46.5	58.7	70.6	80.7	89.0	93.5	96.9	98.7	99.8	99.9	----	----	
6-25-75	1130	2	0.4	0.4	0.6	1.0	3.1	12.3	28.8	43.6	53.8	64.5	77.0	87.0	93.7	97.3	99.1	99.7	99.9	----	----	----	
6-25-75	1150	2	0.3	0.4	0.6	1.0	3.0	11.4	26.2	40.2	50.4	61.1	71.9	80.3	88.5	91.6	97.3	99.4	99.9	----	----	----	
6-25-75	1708	2	0.4	0.5	0.7	1.1	3.2	9.3	19.1	31.1	43.0	56.9	71.6	82.0	89.3	93.7	96.5	97.8	98.8	98.8	99.9	----	

Table 38.--Particle-size distribution of bedload sediment, East Fork River, section B-17--Continued

[Sample sequence corresponds to that in table 35]

Date	Time* +Sampler	Percent finer than indicated size, in mm																					
		type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3	16.0	22.6	32.0	45.0	64.0
6-25-75	1725	2	0.4	0.5	0.6	0.9	2.7	7.8	15.3	23.8	34.9	46.6	58.8	70.1	79.9	89.9	95.6	98.3	99.3	99.9	---	---	---
6-26-75	1232	1	0.4	0.5	0.7	1.1	1.8	5.5	15.6	32.1	49.4	66.9	82.5	92.4	97.6	99.1	99.7	99.9	---	---	---	---	
6-26-75	0925	2	0.4	0.5	0.7	1.0	2.8	9.6	22.8	41.3	61.8	77.1	88.1	94.9	98.5	99.5	99.8	99.9	---	---	---	---	
6-26-75	0947	2	0.4	0.5	0.6	0.9	2.4	9.0	22.8	45.1	68.2	82.4	90.8	95.5	98.2	99.4	99.8	99.8	99.8	99.9	---	---	
6-26-75	1625	2	0.3	0.4	0.4	0.7	1.8	5.6	15.3	31.9	48.3	64.1	78.5	89.0	95.2	98.3	99.7	99.9	---	---	---	---	
6-26-75	1650	2	0.1	0.2	0.3	0.5	1.0	2.9	9.4	24.5	48.4	69.4	84.3	93.0	97.8	99.1	99.8	99.9	---	---	---	---	
7- 1-75	1115	1	0.2	0.3	0.5	0.8	1.7	6.2	11.7	20.3	30.7	43.6	59.1	73.2	85.4	92.3	96.5	98.3	99.0	99.2	99.9	---	
7- 8-75	1515	1	0.2	0.3	0.5	0.8	2.2	10.3	24.1	40.2	53.5	66.6	76.7	84.6	91.0	94.2	96.5	97.9	98.6	99.2	99.9	---	
5-24-74	----	2	0.1	0.2	0.7	1.6	6.9	16.5	27.1	37.8	46.2	52.9	61.1	71.4	78.4	83.9	87.0	88.3	99.9	---	---	---	
5-25-74	----	1	0.3	0.5	1.1	2.8	8.9	27.0	46.2	63.8	75.9	85.1	92.3	96.1	98.2	99.2	99.7	99.9	---	---	---	---	
5-25-74	----	2	0.5	1.1	2.2	4.1	15.7	42.1	60.7	72.5	80.9	87.2	92.2	95.7	97.5	98.5	99.4	99.9	---	---	---	---	
5-26-74	----	1	0.2	0.5	1.0	2.1	4.3	13.0	38.3	62.6	75.3	83.5	90.8	95.8	98.7	99.5	99.8	99.9	---	---	---	---	
5-26-74	----	2	0.3	0.5	0.9	1.7	5.1	19.3	49.5	69.4	79.4	87.2	93.5	96.9	98.7	99.5	99.8	99.9	---	---	---	---	
5-27-74	----	1	----	0.1	0.3	0.6	1.4	4.6	15.6	32.4	48.8	62.3	75.7	85.5	92.2	95.1	96.5	97.2	97.7	98.2	99.9	---	
5-27-74	----	2	0.1	0.2	0.4	0.7	1.6	4.5	14.4	31.4	51.2	66.7	80.3	89.7	95.2	97.9	99.2	99.9	---	---	---	---	
5-28-74	----	1	----	----	0.1	0.1	0.5	1.9	6.9	18.8	34.1	50.4	66.8	78.8	88.2	93.2	96.1	97.7	98.5	99.4	99.9	---	
5-28-74	----	2	0.1	0.2	0.3	0.6	1.9	5.3	14.7	30.2	46.9	61.8	74.9	85.6	95.1	98.0	99.1	99.5	99.8	99.9	---	---	
5-28-74	----	2	0.1	0.2	0.3	0.5	1.3	4.0	11.7	26.3	43.1	59.7	74.2	84.8	91.8	95.6	97.6	98.6	99.3	99.9	---	---	
5-29-74	----	1	----	0.1	0.1	0.3	0.5	1.4	5.6	17.3	33.5	47.4	59.4	69.0	76.5	81.0	83.6	85.7	86.5	87.5	87.9	89.2	
5-29-74	----	2	0.2	0.3	0.4	0.6	1.3	4.1	11.8	26.1	44.5	59.0	71.7	81.5	88.5	93.6	96.8	98.4	99.3	99.8	99.9	---	
5-30-74	----	1	0.1	0.1	0.3	0.6	1.2	2.6	7.6	18.2	32.3	47.1	63.0	76.3	86.4	92.6	96.5	98.3	99.7	99.9	---	---	
5-30-74	----	2	0.1	0.1	0.2	0.4	1.2	2.9	6.6	14.3	26.0	40.6	55.4	69.2	81.5	89.6	95.2	98.0	99.6	99.9	---	---	

Table 38.--Particle-size distribution of bedload sediment, East Fork River, section B-17--Continued

[Sample sequence corresponds to that in table 35]

Date	Time* †Sampler	Percent finer than indicated size, in mm																			
type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3	16.0	22.6	32.0	45.0	64.0
5-31-74	----	1	----	0.1	0.3	1.1	4.0	10.0	22.3	36.4	49.6	64.2	77.3	88.0	93.5	97.0	98.7	99.4	99.9	----	----
5-31-74	----	2	0.1	0.2	0.3	0.6	2.3	8.6	15.1	25.9	45.3	58.0	71.3	82.1	94.9	97.7	99.0	99.8	99.9	----	----
6- 1-74	----	1	0.1	0.2	0.4	0.8	2.5	9.8	23.3	37.2	52.6	65.3	77.3	86.1	92.5	96.5	98.3	99.4	99.9	----	----
6- 1-74	----	2	0.2	0.5	1.0	1.7	8.6	30.0	42.6	49.4	56.5	63.9	72.1	79.6	86.3	90.9	94.5	96.7	98.0	99.4	99.9
6- 2-74	----	1	0.2	0.4	0.9	1.5	3.5	11.5	26.1	38.5	50.4	60.7	71.1	80.4	88.0	92.8	95.4	97.6	98.5	99.9	----
6- 2-74	----	2	0.3	0.7	1.3	2.2	10.7	41.1	66.7	72.3	75.8	79.3	83.2	87.1	91.0	94.1	96.9	98.6	99.3	99.9	----
6- 3-74	----	1	0.1	0.3	0.6	1.2	3.2	14.0	31.0	43.3	54.2	63.7	73.3	81.9	90.1	95.0	98.5	99.9	----	----	----
6- 3-74	----	2	0.3	0.6	1.1	1.8	6.9	29.2	49.4	62.7	72.1	78.4	83.8	88.1	91.8	94.9	97.2	98.5	99.2	99.4	99.9
6- 4-74	----	1	0.1	0.2	0.4	0.8	1.9	8.5	23.3	38.8	53.4	65.8	77.4	85.7	91.9	95.7	97.9	99.6	99.9	----	----
6- 4-74	----	2	0.2	0.4	0.7	1.6	6.3	21.5	42.6	59.0	70.9	78.3	84.8	89.8	93.6	96.0	97.6	98.7	99.4	99.7	99.9
6- 5-74	----	1	0.2	0.4	0.6	1.0	2.2	10.0	30.1	45.0	58.3	69.3	80.0	87.9	93.7	96.9	99.0	99.9	----	----	----
6- 5-74	----	2	0.2	0.4	0.7	1.1	2.9	11.3	32.0	51.0	64.4	75.2	85.0	91.6	95.7	97.6	99.0	99.5	99.9	----	----
5-26-73	----	1	0.1	0.3	0.4	0.7	1.3	3.7	9.9	22.1	36.8	52.0	67.6	80.0	88.8	95.7	98.2	99.4	99.9	----	----
6- 1-73	----	2	0.1	0.4	1.1	3.1	9.6	30.7	57.7	71.6	77.9	83.0	87.9	92.2	95.9	98.2	99.4	99.4	99.9	----	----
6- 2-73	----	1	0.3	0.4	0.7	1.3	2.6	7.4	22.1	48.2	62.6	73.0	83.3	90.9	96.2	98.4	99.7	99.9	----	----	----
6- 2-73	----	2	0.3	0.5	0.8	1.8	5.2	17.6	41.1	62.7	73.1	81.3	88.5	93.8	97.5	98.8	99.6	99.8	99.9	----	----
6- 3-73	----	2	0.2	0.3	0.5	1.1	3.2	10.3	26.7	50.1	65.4	77.3	86.9	93.2	97.4	99.1	99.8	99.9	----	----	----
6- 6-73	----	2	0.1	0.3	0.6	1.7	7.5	26.3	44.4	62.0	70.6	77.7	84.1	89.0	92.7	95.2	97.6	99.5	99.9	----	----
6- 7-73	----	2	0.3	0.4	0.7	1.5	4.7	16.4	40.1	58.3	67.4	76.6	86.5	94.1	97.9	99.3	99.8	99.9	----	----	----
6- 8-73	----	1	0.1	0.3	0.4	1.0	1.9	4.8	13.8	34.0	51.2	65.6	77.9	87.9	94.9	98.1	99.5	99.9	----	----	----
6- 8-73	----	2	0.4	0.8	1.2	2.4	10.0	35.7	65.7	82.6	88.0	91.3	94.0	96.1	97.5	98.6	99.2	99.9	----	----	----
6- 9-73	----	2	0.1	0.1	0.2	0.4	1.1	3.1	7.6	17.4	29.5	45.2	66.1	83.2	93.1	96.8	98.9	99.7	99.9	----	----
6- 9-73	----	2	0.1	0.2	0.3	0.6	1.7	4.6	12.3	31.7	45.7	57.9	71.1	82.4	91.6	96.2	98.6	99.5	99.9	----	----

Table 38.--Particle-size distribution of bedload sediment, East Fork River, section B-17--Continued

[Sample sequence corresponds to that in table 35]

---

\* Median time of data collection; operation of sampler may span a period of several hours.

† 1 = conveyor belt.

2 = Helley-Smith with 3-inch square orifice.

3 = Helley-Smith with 6-inch square orifice.



Table 39.---Particle-size distribution of bedload sediment, Muddy Creek at gage

[Sample sequence corresponds to that in table 36]

Date	Time*	†Sampler	Percent finer than indicated size, in mm																
			type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3
4- 6-75	----		2	0.5	0.7	0.9	1.7	10.7	29.6	50.5	68.5	82.7	92.7	97.7	99.4	99.9	----	----	----
4- 6-75	----		2	0.5	0.7	1.0	1.8	6.7	20.3	41.9	65.5	81.8	92.9	98.2	99.6	99.9	----	----	----
4-14-75	0750		2	0.6	1.0	1.6	3.6	14.0	32.3	51.9	69.6	82.3	92.4	98.3	99.8	99.9	----	----	----
4-15-75	0915		2	0.3	0.5	0.8	1.8	8.1	21.6	42.2	64.6	82.5	93.3	98.2	99.6	99.9	----	----	----
4-16-75	0845		2	0.6	0.9	1.3	3.4	12.9	29.4	46.8	64.3	77.6	89.3	97.2	99.5	99.9	----	----	----
4-21-75	0930		2	1.0	1.5	2.5	6.8	24.8	45.4	61.9	75.9	86.1	94.1	98.4	99.8	99.9	----	----	----
4-22-75	1030		2	1.9	2.9	4.7	10.3	28.4	53.3	74.0	87.7	94.0	97.3	99.2	99.9	----	----	----	----
4-23-75	----		2	3.1	4.8	8.1	15.8	34.8	55.6	70.6	80.6	87.1	92.9	97.5	99.8	99.9	----	----	----
4-23-75	----		2	1.6	2.4	4.1	9.2	22.4	41.5	60.3	76.6	86.2	93.0	97.4	99.9	----	----	----	----
4-23-75	----		2	0.1	0.5	1.0	2.5	11.3	27.5	49.3	69.1	84.8	94.1	98.0	99.5	99.8	99.9	----	----
4-24-75	0915		2	0.7	1.0	1.7	4.0	14.3	27.6	42.3	57.7	72.7	85.8	94.3	99.3	99.5	99.9	----	----
4-24-75	0950		2	0.7	1.1	2.0	4.6	16.1	31.4	45.6	65.4	79.5	89.3	95.6	98.7	99.8	99.9	----	----
4-24-75	0845		2	4.7	7.3	12.6	26.1	57.5	77.9	88.5	93.1	95.3	96.6	98.0	99.3	99.9	----	----	----
4-25-75	0750		2	0.6	1.0	2.0	5.5	17.1	29.2	42.0	53.5	65.0	76.5	86.7	94.1	98.6	99.9	----	----
4-25-75	0655		2	0.8	1.1	2.1	5.4	15.1	24.4	35.9	47.7	60.7	74.4	86.7	94.8	99.0	99.9	----	----
4-25-75	0930		2	1.0	1.5	2.6	6.3	14.7	24.8	37.1	52.9	65.2	77.2	87.1	93.4	97.6	99.9	----	----
4-26-75	0930		2	0.7	1.0	1.8	4.7	22.5	47.3	65.2	77.8	85.6	91.4	95.9	98.4	99.7	99.9	----	----
4-26-75	1250		2	0.4	0.7	1.2	3.1	13.2	29.9	57.1	71.1	70.8	90.2	90.2	95.7	98.8	99.9	----	----
4-26-75	1220		2	0.4	0.7	1.3	3.4	14.0	29.5	45.7	61.6	75.2	85.0	90.9	94.5	97.8	99.9	----	----
4-27-75	----		2	1.5	2.3	4.4	12.7	32.8	63.6	80.6	90.3	94.9	97.7	98.9	99.4	99.8	99.9	----	----
4-27-75	1140		2	1.1	1.7	3.3	9.4	27.1	55.0	74.0	85.9	92.0	95.3	97.5	98.9	99.5	99.9	----	----
4-27-75	0950		2	1.0	1.5	3.3	9.8	28.0	57.8	75.1	85.9	91.3	94.9	96.9	98.5	99.5	99.9	----	----
4-28-75	1023		2	0.7	0.8	0.9	2.3	8.4	27.7	52.5	73.4	85.0	92.8	97.2	99.0	99.9	----	----	----

Table 39.--Particle-size distribution of bedload sediment, Muddy Creek at gage--Continued

[Sample sequence corresponds to that in table 36]																			
Date	Time*	†Sampler	Percent finer than indicated size, in mm																
		type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3	16.0
4-28-75	1100	2	0.3	0.4	0.8	2.3	12.4	28.2	44.4	62.5	78.0	88.3	94.9	98.0	99.7	99.9	----	----	----
4-29-75	0940	2	0.2	0.3	0.4	0.9	4.6	19.6	43.9	68.2	84.4	93.1	97.3	99.1	99.8	99.9	----	----	----
4-29-75	1045	2	0.2	0.3	0.4	0.9	4.0	17.1	40.0	69.8	85.1	94.1	98.3	99.6	99.9	-----	----	----	----
4-29-75	1100	2	0.2	0.3	0.4	0.7	3.6	14.9	38.0	63.5	81.7	92.1	97.3	99.3	99.8	99.9	----	----	----
4-30-75	0950	2	0.3	0.4	0.5	1.2	4.7	16.4	39.5	64.8	81.6	91.4	96.7	98.8	99.7	99.9	----	----	----
4-30-75	1040	2	0.3	0.4	1.0	1.5	4.7	13.9	37.6	65.3	80.3	90.1	96.1	98.6	99.7	99.9	----	----	----
4- 1-75	0950	2	0.2	0.2	0.3	1.2	4.9	16.1	37.2	62.7	78.1	88.9	95.5	98.4	99.5	99.9	----	----	----
5- 1-75	0925	2	0.2	0.2	0.2	0.9	5.1	17.0	38.3	61.6	78.1	89.0	95.3	98.2	99.8	99.8	99.9	----	----
5- 2-75	1000	2	0.2	0.3	0.4	1.3	8.8	21.8	38.7	57.7	74.9	86.1	93.1	97.0	99.2	99.7	99.9	----	----
5- 2-75	1030	2	0.2	0.2	0.3	0.8	5.4	17.2	37.0	60.4	77.7	88.1	93.9	97.4	99.4	99.9	----	----	----
5- 2-75	----	2	0.4	0.6	1.0	3.6	13.3	30.5	71.2	71.2	83.8	92.1	96.9	98.7	99.4	99.9	----	----	----
5- 3-75	1830	2	0.2	0.2	0.3	0.9	6.7	20.5	36.3	53.2	66.7	77.9	86.2	92.5	97.3	99.2	99.9	----	----
5- 3-75	0850	2	0.2	0.2	0.3	1.2	9.5	23.4	41.0	59.4	75.2	86.0	94.1	97.7	99.4	99.9	----	----	----
5- 3-75	0915	2	0.1	0.1	0.3	1.4	7.2	22.1	40.1	60.0	73.7	84.7	92.9	97.1	99.0	99.7	99.9	----	----
5- 3-75	1700	2	0.2	0.2	0.3	0.9	5.6	12.8	21.8	33.1	45.7	58.5	71.1	83.1	94.2	98.6	99.9	----	----
5- 3-75	1050	2	0.4	0.5	0.8	2.4	15.3	36.8	57.5	72.8	83.1	90.6	95.4	98.1	99.6	99.9	----	----	----
5- 3-75	1020	2	0.3	0.4	0.8	2.9	11.9	28.8	45.5	61.2	73.0	84.5	93.7	97.3	99.1	99.8	99.9	----	----
5- 4-75	1000	2	0.1	0.1	0.1	0.4	2.7	14.7	31.9	51.6	67.0	79.9	89.8	95.3	98.1	99.5	99.9	----	----
5- 4-75	1100	2	0.1	0.1	0.1	0.3	2.9	13.5	28.5	43.9	59.1	72.3	83.5	91.2	96.9	99.0	99.9	----	----
5- 5-75	0930	2	0.1	0.1	0.1	0.1	1.3	7.3	20.4	40.6	60.4	75.6	87.0	94.0	98.1	99.3	99.8	99.9	----
5- 5-75	1000	2	0.1	0.1	0.2	0.3	1.3	7.2	20.0	39.4	58.8	74.9	87.0	94.5	98.6	99.6	99.9	----	----
5- 5-75	1100	2	0.1	0.1	0.1	0.2	1.6	7.9	21.7	42.6	62.4	77.9	89.2	95.5	98.7	99.6	99.9	----	----
5- 6-75	1015	2	0.1	0.1	0.1	0.1	1.2	5.8	16.9	36.1	58.0	74.9	86.9	94.1	98.1	99.1	99.9	----	----

Table 39.--Particle-size distribution of bedload sediment, Muddy Creek at gage--Continued

[Sample sequence corresponds to that in table 36]

Date	Time*	+Sampler	Percent finer than indicated size, in mm																
			type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3
5- 6-75	1100	2	0.1	0.2	0.2	0.4	1.6	6.7	18.9	36.6	52.9	69.4	84.6	93.5	97.9	99.6	99.9	----	----
5- 7-75	1115	2	0.1	0.1	0.2	0.6	3.4	9.8	26.9	49.2	66.1	77.7	86.8	93.9	98.5	99.9	----	----	----
5- 7-75	1130	2	0.2	0.2	0.3	0.6	2.4	6.3	16.7	31.3	46.4	62.0	77.3	89.1	96.8	99.4	99.9	----	----
5- 7-75	1230	2	0.2	0.2	0.2	0.5	2.2	6.2	17.7	34.9	53.3	69.9	84.2	93.2	98.2	99.4	99.8	99.9	----
5- 8-75	1143	2	0.1	0.2	0.4	1.1	8.2	17.9	34.4	54.8	70.3	81.3	89.3	94.5	98.4	99.5	99.9	----	----
5- 8-75	1210	2	0.2	0.3	0.5	2.0	10.1	17.0	27.4	46.1	63.2	79.3	91.0	96.6	98.9	99.8	99.9	----	----
5- 8-75	1305	2	0.2	0.3	0.5	1.5	9.7	15.0	23.1	37.3	56.2	75.8	90.5	96.9	99.4	99.8	99.9	----	----
5- 9-75	0905	2	0.1	0.2	0.3	0.8	8.6	30.6	46.3	63.0	76.1	86.0	93.4	97.9	99.7	99.9	----	----	----
5- 9-75	0935	2	0.2	0.2	0.3	1.0	10.4	31.0	46.4	64.7	80.9	91.0	96.5	98.9	99.8	99.9	----	----	----
5- 9-75	1000	2	0.1	0.2	0.2	0.9	6.4	20.3	29.0	43.2	57.4	72.8	86.7	94.7	98.3	99.6	99.9	----	----
5-23-75	1310	2	0.2	0.2	0.3	0.7	5.5	18.0	37.6	58.0	74.6	86.9	95.2	98.8	99.7	99.9	----	----	----
5-23-75	1350	2	0.2	0.3	0.3	0.7	5.4	18.0	36.7	57.3	73.8	85.8	93.5	97.9	99.8	99.9	----	----	----
5-23-75	1420	2	0.2	0.2	0.3	0.9	5.4	18.5	37.0	59.9	74.9	86.2	94.3	98.2	99.7	99.9	----	----	----
5-30-75	1637	2	0.1	0.2	0.3	0.4	4.6	21.6	45.0	69.1	84.0	92.0	96.3	98.7	99.9	----	----	----	----
5-30-75	1715	2	0.2	0.2	0.2	0.4	3.8	19.3	45.6	70.8	85.4	92.7	96.9	99.1	99.9	----	----	----	----
5-30-75	1730	2	0.1	0.2	0.2	0.5	4.9	21.9	45.1	69.4	83.3	91.3	96.5	99.0	99.9	----	----	----	----
6- 5-75	1200	2	0.1	0.2	0.2	0.6	4.2	19.3	41.8	65.5	78.8	88.0	94.4	97.9	99.4	99.9	----	----	----
6- 5-75	1235	2	0.2	0.3	0.3	0.7	5.0	19.7	40.0	60.9	77.0	88.0	94.9	98.4	99.8	99.9	----	----	----
6-11-75	1400	2	0.1	0.2	0.5	0.5	4.5	20.5	43.6	65.6	79.8	88.8	94.7	97.9	99.4	99.8	99.9	----	----
6-11-75	1430	2	0.1	0.1	0.1	0.4	3.0	15.7	34.4	58.4	72.9	84.0	92.5	97.0	98.8	99.7	99.9	----	----
6 11-75	1500	2	0.1	0.1	0.1	0.2	4.2	20.5	42.8	67.0	81.4	81.8	94.9	97.7	99.2	99.7	99.8	99.9	----
6-20-75	1410	2	0.1	0.1	0.1	0.3	3.4	15.5	31.6	48.9	63.1	75.1	85.6	93.2	98.1	99.3	99.9	----	----
6-20-75	1435	2	0.1	0.1	0.1	0.3	2.5	11.7	26.2	43.6	57.5	70.8	84.1	92.9	97.5	99.4	99.9	----	----

Table 39.---Particle-size distribution of bedload sediment, Muddy Creek at gage--Continued

[Sample sequence corresponds to that in table 36.]

Date	Time* +Sampler	Percent finer than indicated size, in mm																	
		type	0.06	0.09	0.12	0.18	0.25	0.35	0.50	0.71	1.00	1.40	2.00	2.80	4.00	5.70	8.00	11.3	16.0
6-20-75	1500	2	0.1	0.1	0.1	0.3	2.7	13.3	29.0	49.9	66.3	78.7	88.1	94.4	98.3	99.6	99.9	----	----
7-11-75	1525	2	0.1	0.1	0.1	0.2	3.2	15.2	31.8	50.8	66.3	78.7	88.5	95.1	98.9	99.9	----	----	----
7-11-75	1540	2	0.1	0.1	0.1	0.2	2.6	13.7	33.4	51.0	68.7	81.1	89.9	95.7	98.9	99.7	99.9	----	----
7-11-75	1625	2	0.1	0.1	0.1	0.2	2.6	14.4	30.6	49.3	65.4	78.6	88.8	95.4	98.9	99.6	99.9	----	----
7-31-75	----	2	0.1	0.1	0.1	0.3	3.5	16.9	38.6	59.4	74.4	84.5	92.4	97.2	99.3	99.9	----	----	----
7-31-75	----	2	0.1	0.1	0.1	0.2	2.9	13.1	29.0	46.2	61.8	74.7	86.5	94.6	98.4	99.8	99.9	----	----
7-31-75	----	2	0.1	0.1	0.1	0.2	3.0	14.9	33.6	55.3	72.0	82.4	90.6	96.4	98.9	99.8	99.9	----	----
8- 7-75	----	2	0.1	0.1	0.1	0.2	2.5	12.5	29.4	48.1	64.9	78.5	90.0	96.6	99.2	99.9	----	----	----
8- 7-75	----	2	0.1	0.1	0.1	0.3	2.7	13.0	29.6	48.5	65.8	79.7	91.2	97.4	99.6	99.9	----	----	----
8- 7-75	----	2	0.1	0.1	0.1	0.3	2.9	12.8	28.9	47.9	65.5	79.9	91.3	97.3	99.6	99.9	----	----	----
8-17-75	----	2	0.1	0.1	0.1	0.3	2.6	13.8	31.5	50.6	66.4	78.7	89.6	96.5	99.2	99.8	99.9	----	----
8-17-75	----	2	0.1	0.1	0.1	0.3	2.4	13.0	30.3	49.3	65.9	75.9	90.8	97.3	99.4	99.9	----	----	----
8-17-75	----	2	0.1	0.1	0.1	0.2	2.5	12.7	31.1	52.1	70.9	84.4	93.8	98.4	99.8	99.9	----	----	----
8-25-75	----	2	0.1	0.1	0.1	0.1	2.2	14.8	37.1	60.5	77.8	89.0	95.9	98.9	99.8	99.9	----	----	----
8-25-75	----	2	0.1	0.1	0.1	0.2	2.1	13.7	34.9	57.3	76.5	88.9	96.6	99.1	99.9	----	----	----	----
8-25-75	----	2	0.1	0.1	0.1	0.1	1.8	13.4	36.3	65.4	84.6	93.7	98.6	99.8	99.9	----	----	----	----
8-31-75	----	2	0.1	0.1	0.2	0.3	2.1	13.7	34.9	58.3	73.2	83.4	92.6	98.2	99.7	99.8	----	----	----
8-31-75	----	2	0.1	0.1	0.1	0.1	1.7	13.5	34.4	57.2	73.3	84.7	94.0	98.7	99.8	99.9	----	----	----
8-31-75	----	2	0.1	0.1	0.1	0.2	2.0	12.2	32.1	56.1	74.0	85.7	94.5	98.8	99.8	99.9	----	----	----

\* Median time of data collection; operation of sampler may span a period of several hours.

+ 1 = conveyor belt.

2 = Helley-Smith with 3-inch square orifice

3 = Helley-Smith with 6-inch square orifice

