

# SUSPENDED-SEDIMENT DATA IN THE SALT RIVER BASIN, MISSOURI

By Wayne R. Berkas

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U.S. GEOLOGICAL SURVEY

Open-File Report 83-275

Prepared in cooperation with the  
MISSOURI DEPARTMENT OF NATURAL RESOURCES,  
DIVISION OF ENVIRONMENTAL QUALITY

Rolla, Missouri

1983



UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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For additional information  
write to:

District Chief  
U.S. Geological Survey  
1400 Independence Road  
Mail Stop 200  
Rolla, Missouri 65401

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## CONVERSION FACTORS

For readers who prefer to use metric units, conversion factors for terms used in this report are listed below:

| <u>Multiply inch-pound unit</u> | <u>By</u> | <u>To obtain metric unit</u> |
|---------------------------------|-----------|------------------------------|
| inch                            | 2.540     | centimeter                   |
| foot                            | 0.395     | meter                        |
| mile                            | 1.609     | kilometer                    |
| square mile                     | 2.590     | square kilometer             |
| acre                            | 0.405     | square hectometer            |
| ton                             | 0.9072    | megagram or metric ton       |
| cubic foot per second           | 0.028     | cubic meter per second       |

### National Geodetic Vertical Datum of 1929 (NGVD of 1929):

A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Mean Sea Level."

# SUSPENDED-SEDIMENT DATA IN THE SALT RIVER BASIN, MISSOURI

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## ABSTRACT

Suspended-sediment data collected at six stations in the Salt River basin during 1980-82 are presented. The estimated average annual suspended-sediment load is 1,390,000 tons per year from a geomorphic examination, and 1,330,000 tons per year from periodic sampling at Salt River near Monroe City, Mo. The suspended-sediment load from the major tributaries of the Salt River during 1981 was 1,610,000 tons, which is larger than the estimated values due to above-normal rainfall and runoff.

## INTRODUCTION

The Salt River basin in northeastern Missouri is typical of the glaciated area north of the Missouri River. The basin is underlain by rocks of Pennsylvanian age in the upper part, rocks of Mississippian age in the middle part, and rocks of Ordovician age in the lower part. Glacial drift, ranging in thickness from 50 feet in the lower part of the basin to 150 feet in the upper part of the basin, covers the bedrock. Deposits of loess, generally less than 5 feet thick, are scattered throughout the basin. The soils in the basin generally have clayey subsoils and low permeability (Allgood and Persinger, 1979).

Land use in the basin is predominantly agricultural. Approximately 52 percent of the area is cropland, 26 percent is pasture, and 18 percent is forested. The remaining 4 percent is used for urban development, rural residences, roads, and lakes. The Soil Conservation Service recently completed an erosion-control project in the Middle Fork Salt River basin and assisted farmers with the application of land practices, such as terracing, conservation tillage, contouring, grass waterways, and pasture improvement.

## PURPOSE AND SCOPE

This report presents the suspended-sediment data collected in the Salt River basin by the U.S. Geological Survey during 1980 to 1982. Estimates of suspended-sediment loads also were made by a geomorphic examination of the basin and by extrapolation of the relationship of suspended-sediment load versus discharge using data collected periodically from 1941 to 1966. These loads were compared with suspended-sediment loads measured during 1981 on the major tributaries of the Salt River.

## METHODS OF STUDY

### Geomorphic Examination

During July 1980, Dr. Stanley W. Trimble, University of California at Los Angeles, made a geomorphic reconnaissance of the Salt River basin for the U.S. Geological Survey (written commun., 1980). Dr. Trimble's objective was to estimate the quantity of material removed from the basin by erosion since the beginning of agriculture in the basin (approximately 1840). Using observations and existing literature, he estimated that 135,000 acre-feet of soil have been eroded from the basin from 1840 to 1980. Assuming that 40 percent of the eroded sediment actually reaches the river channel (40 percent delivery ratio), the average annual sediment yield is 386 acre-feet, or 1,390,000 tons per year.

Sediment yield was estimated by using an approximate sediment budget and assuming that uniform thicknesses were eroded from different parts of the basin. Gully erosion or streambank erosion were not considered in the budget, nor was deposition of the eroded soil in thick vegetation or depressions. The erosion and deposition were assumed to counterbalance each other and also be accounted for in the 40 percent delivery ratio. The value of 1,390,000 tons per year needs to be regarded as an approximation of the long-term average suspended-sediment load in the Salt River basin.

### Previous Sampling

Suspended-sediment data were collected periodically at the streamflow-gaging station on Salt River near Monroe City (05507500) from October 1941 to October 1966 (fig. 1). The samples were collected by an observer and U.S. Geological Survey personnel.

The observer sampled according to the following schedule:

| Number of samples | Gage height       | Sampling frequency |
|-------------------|-------------------|--------------------|
| 1                 | Less than 5 feet  | Weekly             |
| 1                 | Five to 20 feet   | Daily              |
| 2                 | Twenty to 25 feet | Daily              |
| 3                 | More than 26 feet | Daily              |

Samples were collected from the bridge at a fixed location in the river by lowering a pint milk bottle in a brass holder equipped with stopper and air-vent tube.

Approximately once a month, samples were collected by U.S. Geological Survey personnel at four locations in the river representing units of equal discharge. A sample also was collected at the location where the

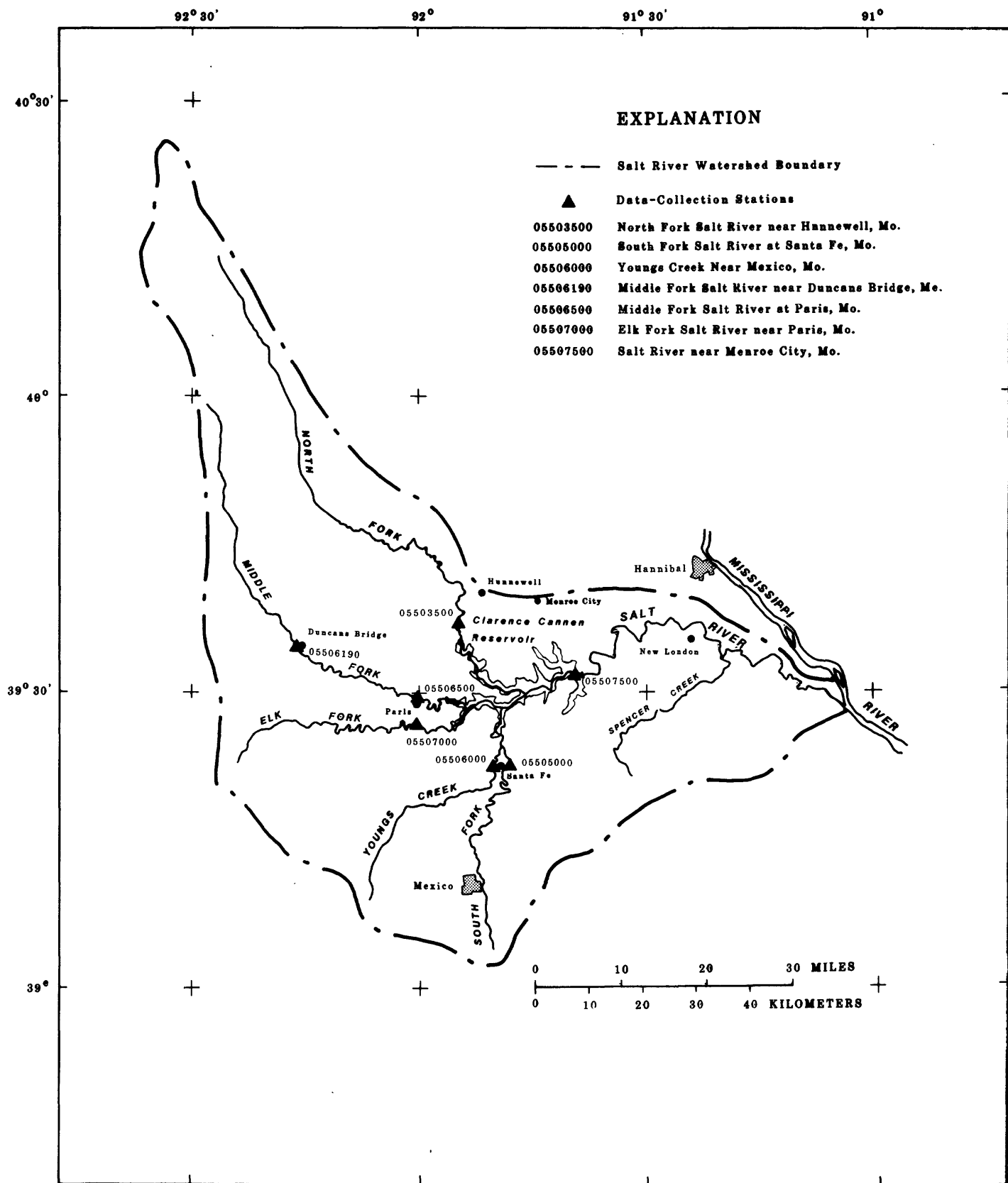


Figure 1.-- Location of sediment-sampling stations in the Salt River basin.

observer's sample was obtained. Coefficients were determined to adjust the observer's values to the actual suspended-sediment concentration in the river.

Analysis of this suspended-sediment data is complicated by two problems: (1) Large time intervals in the data make it impossible to estimate average daily suspended-sediment concentrations, and (2) the sampling efficiency is questionable. Because of these two problems, only estimates of the average annual suspended-sediment loads were made.

Estimates of annual suspended-sediment loads were made using the following procedure. Suspended-sediment load was calculated using the instantaneous discharge and the measured suspended-sediment concentration. A sediment-discharge curve was then drawn, with suspended-sediment load as the dependent variable and discharge as the independent variable. A daily-duration table of discharge data was obtained for each year of discharge record, suspended-sediment load values were chosen from the sediment-discharge curve for each discharge class in the table, and the sediment loads were totaled to obtain the annual load (table 1). The annual loads for each year from October 1941 to October 1966 were averaged to determine an average annual suspended-sediment load of 1,330,000 tons, or a sediment yield of 596 tons per square mile.

#### Daily Suspended-Sediment Sampling

Daily suspended-sediment samples were collected at six sediment-sampling stations in the Salt River basin (fig. 1). These sampling stations are: North Fork Salt River near Hunnewell (05503500), South Fork Salt River at Santa Fe (05505000), Youngs Creek near Mexico (05506000), Middle Fork Salt River at Duncans Bridge (05506190), Middle Fork Salt River at Paris (05506500), and Elk Fork Salt River near Paris (05507000).

Observers at the daily sediment-sampling stations collected one sample a day from a fixed location, either by wading or from a bridge. When the river was rising, more than one sample was obtained. A US DH-48 sampler was used when the river at each station was below a specified gage height. When it was above this specified gage height, samples were taken from the bridge using a US D-74 sampler. The US DH-48 sampler consists of a streamlined aluminum casting that holds a pint bottle. The sampler is manually raised and lowered into the stream. The US D-74 sampler consists of a 62-pound streamlined cast bronze shell holding a pint or quart sample bottle inside. The sampler is raised and lowered into the river using a cable and reel.

Once a month a 20-sample cross section was collected at each station by U.S. Geological Survey personnel. The cross-section sample and observer's sample were compared and coefficients were obtained that adjust the daily observer's samples to more accurately represent the complete

*Table 1.--An example of the duration table used in calculating annual suspended-sediment loads for the Salt River near Monroe City*

| Average<br>discharge,<br>in cubic<br>feet per<br>second | Number of<br>days | Suspended-sediment<br>load, in tons<br>per day | Suspended-sediment<br>load, in tons |
|---------------------------------------------------------|-------------------|------------------------------------------------|-------------------------------------|
| 7.0                                                     | 12                | 0                                              | --                                  |
| 31.5                                                    | 18                | 5.5                                            | 99                                  |
| 79.5                                                    | 79                | 20.0                                           | 1,580                               |
| 185                                                     | 110               | 68.0                                           | 7,480                               |
| 390                                                     | 28                | 210                                            | 5,880                               |
| 590                                                     | 32                | 410                                            | 13,120                              |
| 900                                                     | 14                | 770                                            | 10,780                              |
| 1,400                                                   | 19                | 1,600                                          | 30,400                              |
| 2,100                                                   | 11                | 3,000                                          | 33,000                              |
| 3,100                                                   | 12                | 5,700                                          | 68,400                              |
| 4,700                                                   | 11                | 11,000                                         | 121,000                             |
| 7,200                                                   | 5                 | 22,000                                         | 110,000                             |
| 11,000                                                  | 4                 | 45,000                                         | 180,000                             |
| 17,000                                                  | 3                 | 93,000                                         | 279,000                             |
| 25,000                                                  | 4                 | 180,000                                        | 720,000                             |
| 38,000                                                  | 2                 | 350,000                                        | 700,000                             |
| 53,000                                                  | 1                 | 720,000                                        | 720,000                             |
| Total                                                   | --                | --                                             | 3,000,739                           |

river cross section. Cross-sectional samples were obtained more frequently during high-flow conditions and were analyzed for particle size. The average daily suspended-sediment concentration, sediment-yield values, and particle-size values for the six sediment-sampling stations are presented in the "Additional Data" section at the end of the report.

The suspended-sediment load and suspended-sediment yield data collected for the six sampling stations during calendar year 1981 are shown in table 2. The suspended-sediment yields range from 610 to 1,510 tons per square mile. The average annual rainfall in the basin is about 38 inches, whereas the annual rainfall for 1981 at Paris, Mo., was 49.33 inches (National Oceanic and Atmospheric Administration, 1981). Most of the rain fell during May, June and July (fig. 2), causing runoff to be more than normal for those months (fig. 3). The total of the suspended-sediment loads in the major tributaries of the Salt River is 1,610,000 tons for 1981. The above-normal rainfall and runoff would indicate that the load for 1981 was also above normal.

#### SUMMARY

The estimated suspended-sediment load for the Salt River basin from the geomorphic examination is 1,390,000 tons per year, and the estimated suspended-sediment load based on periodic sampling at Salt River near Monroe City is 1,330,000 tons per year. The suspended-sediment load from the major tributaries in the Salt River during 1981 is 1,610,000 tons, which is larger than the estimated values due to above normal rainfall and runoff.

Table 2.--Suspended-sediment loads and yields in the Salt River basin for calendar year 1981

| Sediment-sampling<br>station number<br>(fig. 1) | Station name                                | Drainage area,<br>in square miles | Suspended-<br>sediment load,<br>in tons | Suspended-sediment<br>yield, in<br>tons per<br>square mile |
|-------------------------------------------------|---------------------------------------------|-----------------------------------|-----------------------------------------|------------------------------------------------------------|
| 05503500                                        | North Fork Salt River near<br>Hunnewell     | 626                               | 529,000                                 | 845                                                        |
| 05505000                                        | South Fork Salt River near<br>Santa Fe      | 298                               | 283,000                                 | 950                                                        |
| 05506000                                        | Youngs Creek near Mexico                    | 67.4                              | 88,700                                  | 1,320                                                      |
| 05506190                                        | Middle Fork Salt River at<br>Duncans Bridge | 200                               | 122,000                                 | 610                                                        |
| 06606500                                        | Middle Fork Salt River at<br>Paris          | 356                               | 310,000                                 | 871                                                        |
| 05507000                                        | Elk Fork Salt River near<br>Paris           | 262                               | 396,000                                 | 1,510                                                      |

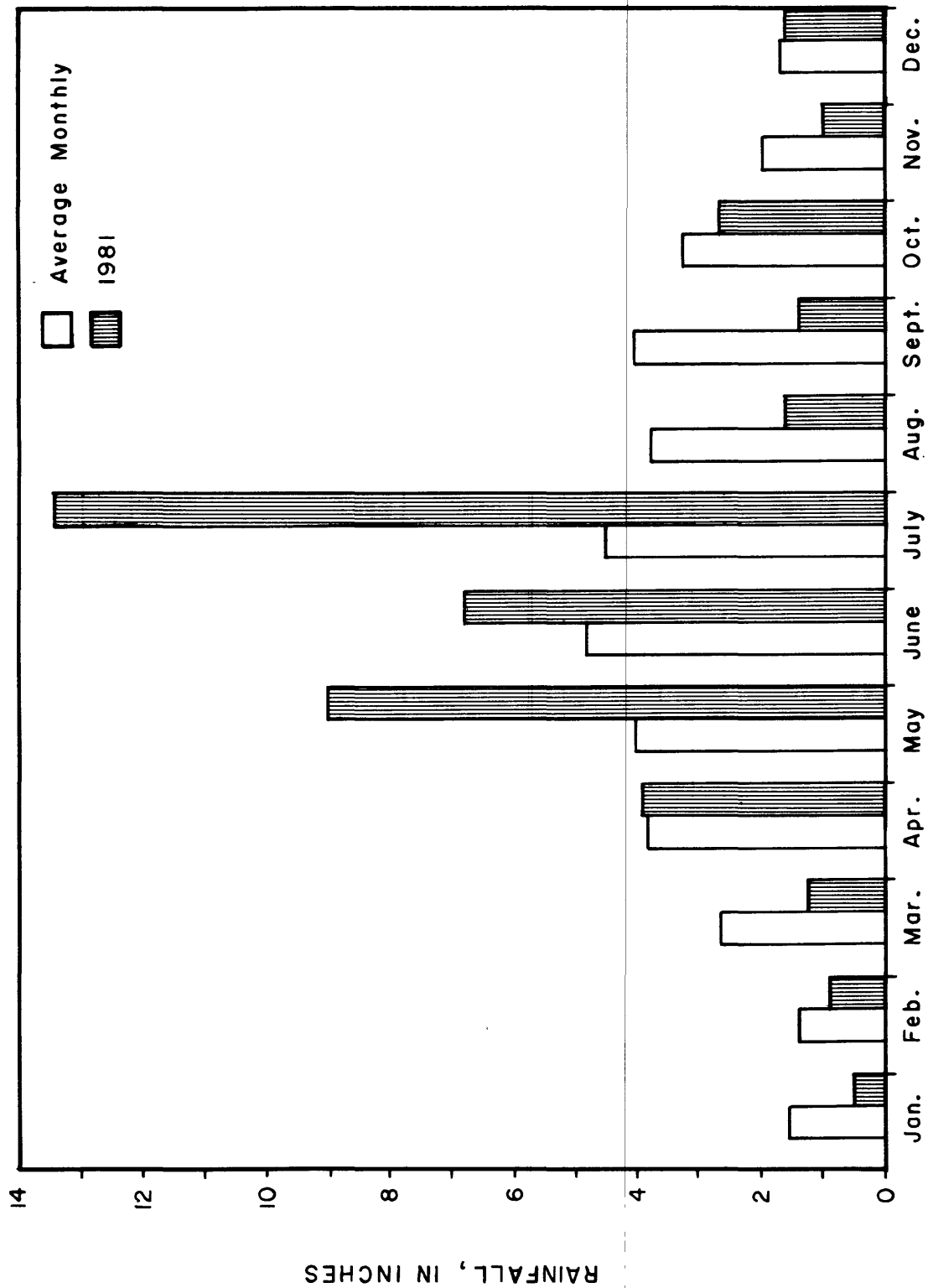


Figure 2. -- Average and total monthly rainfall at Paris (data from National Oceanic and Atmospheric Administration, 1981).

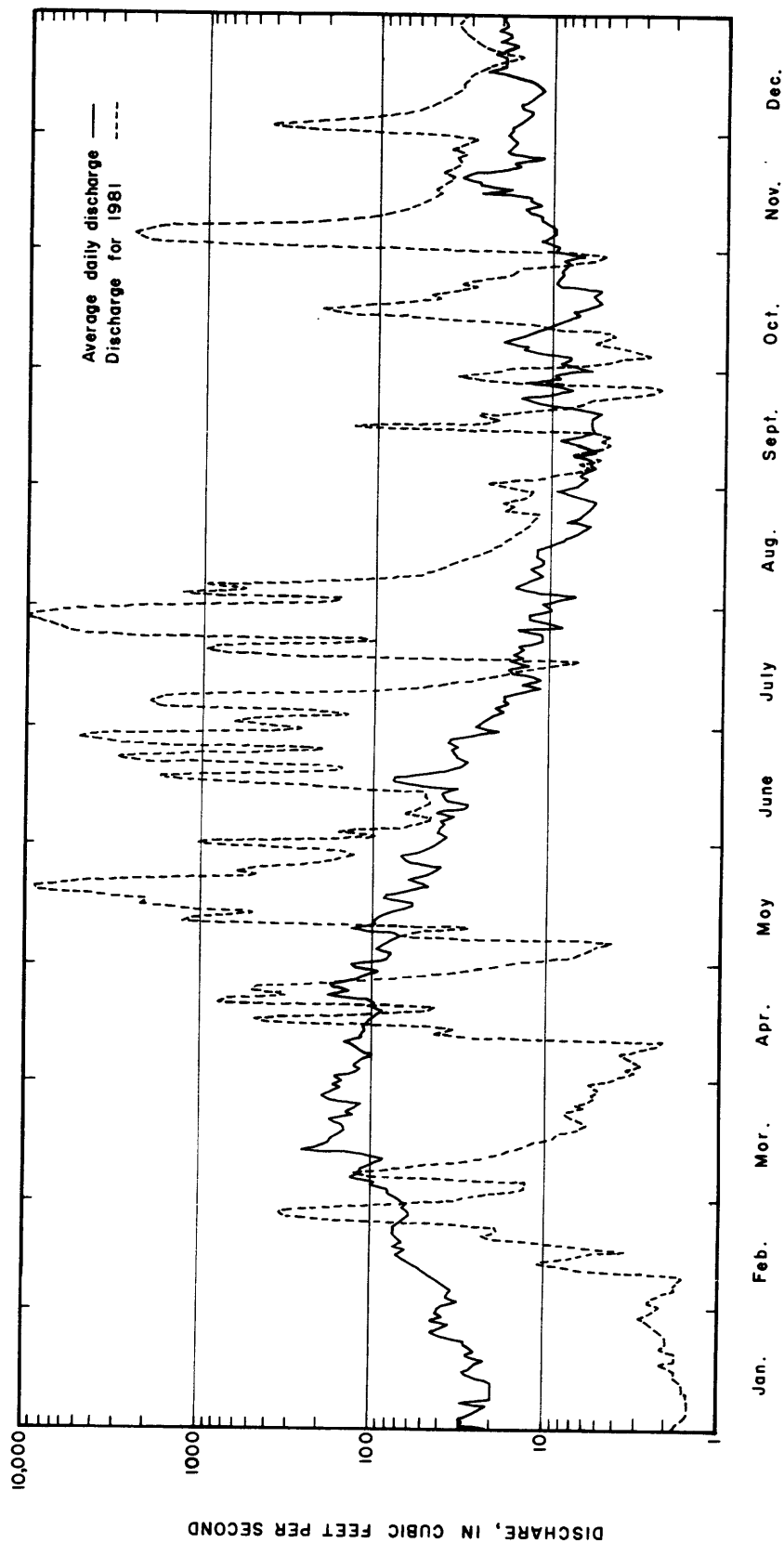


Figure 3.-- Comparison of the average daily discharges for 1941-80 and 1981 at Middle Fork

Salt River at Paris.

#### REFERENCES CITED

- Allgood, F. P., and Persinger, I. D., 1979, Missouri general soil map and soil association descriptions: U.S. Department of Agriculture, Soil Conservation Service, 74 p.
- National Oceanic and Atmospheric Administration, 1981, Climatological data: National Climatic Center, Asheville, N C., v. 85 (published monthly).

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ADDITIONAL DATA

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Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin

[CFS=cubic feet per second; MG/L=milligrams per liter]

| DAY                                                     | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05503500 North Fork Salt River near Hunnewell, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JULY 1980                                               |                            |                                 | AUGUST 1980                         |                            |                                 | SEPTEMBER 1980                      |                            |                                 |                                     |
| 1                                                       | 8.2                        | ---                             | ---                                 | 2.5                        | 61                              | .55                                 | 9.8                        | 46                              | 1.2                                 |
| 2                                                       | 19                         | ---                             | ---                                 | 2.7                        | 93                              | .68                                 | 29                         | 156                             | 12                                  |
| 3                                                       | 50                         | ---                             | ---                                 | 2.4                        | 49                              | .64                                 | 1540                       | 750                             | 5060                                |
| 4                                                       | 42                         | ---                             | ---                                 | 2.1                        | 100                             | .57                                 | 600                        | 560                             | 907                                 |
| 5                                                       | 35                         | ---                             | ---                                 | 2.0                        | 100                             | .54                                 | 475                        | 400                             | 513                                 |
| 6                                                       | 28                         | ---                             | ---                                 | 1.8                        | 95                              | .46                                 | 737                        | 583                             | 1160                                |
| 7                                                       | 25                         | ---                             | ---                                 | 1.5                        | 103                             | .42                                 | 870                        | 560                             | 1320                                |
| 8                                                       | 21                         | ---                             | ---                                 | 1.4                        | 98                              | .37                                 | 337                        | 270                             | 246                                 |
| 9                                                       | 18                         | ---                             | ---                                 | 1.3                        | 85                              | .30                                 | 151                        | 157                             | 56                                  |
| 10                                                      | 15                         | ---                             | ---                                 | 1.1                        | 102                             | .30                                 | 72                         | 132                             | 26                                  |
| 11                                                      | 14                         | ---                             | ---                                 | 3.1                        | 68                              | .74                                 | 39                         | 105                             | 11                                  |
| 12                                                      | 12                         | ---                             | ---                                 | 4.3                        | 67                              | 1.0                                 | 24                         | 94                              | 6.1                                 |
| 13                                                      | 9.2                        | ---                             | ---                                 | 3.3                        | 61                              | .72                                 | 32                         | 100                             | 8.6                                 |
| 14                                                      | 8.4                        | ---                             | ---                                 | 3.2                        | 69                              | .77                                 | 301                        | 260                             | 211                                 |
| 15                                                      | 4.5                        | ---                             | ---                                 | 8.3                        | 107                             | 2.4                                 | 313                        | 590                             | 499                                 |
| 16                                                      | 3.7                        | ---                             | ---                                 | 12                         | 178                             | 5.8                                 | 137                        | 260                             | 96                                  |
| 17                                                      | 3.2                        | ---                             | ---                                 | 16                         | 279                             | 12                                  | 92                         | 230                             | 57                                  |
| 18                                                      | 3.1                        | ---                             | ---                                 | 169                        | 168                             | 77                                  | 1030                       | 1630                            | 4530                                |
| 19                                                      | 2.9                        | 112                             | .68                                 | 189                        | 175                             | 89                                  | 376                        | 530                             | 538                                 |
| 20                                                      | 2.9                        | 113                             | .68                                 | 95                         | 192                             | 49                                  | 167                        | 238                             | 107                                 |
| 21                                                      | 2.8                        | 102                             | .77                                 | 43                         | 180                             | 21                                  | 98                         | 179                             | 47                                  |
| 22                                                      | 2.6                        | 75                              | .53                                 | 31                         | 165                             | 14                                  | 59                         | 151                             | 24                                  |
| 23                                                      | 2.6                        | 85                              | .60                                 | 23                         | 148                             | 9.2                                 | 39                         | 130                             | 14                                  |
| 24                                                      | 2.5                        | 102                             | .69                                 | 20                         | 137                             | 7.4                                 | 27                         | 116                             | 8.5                                 |
| 25                                                      | 2.5                        | 105                             | .71                                 | 33                         | 135                             | 12                                  | 21                         | 97                              | 5.5                                 |
| 26                                                      | 2.8                        | 112                             | .85                                 | 23                         | 110                             | 6.8                                 | 18                         | 100                             | 4.9                                 |
| 27                                                      | 3.1                        | 120                             | 1.0                                 | 14                         | 77                              | 2.9                                 | 16                         | 65                              | 3.7                                 |
| 28                                                      | 3.4                        | 110                             | 1.0                                 | 11                         | 42                              | 1.2                                 | 14                         | 74                              | 2.8                                 |
| 29                                                      | 4.1                        | 84                              | .93                                 | 10                         | 40                              | 1.1                                 | 13                         | 71                              | 2.5                                 |
| 30                                                      | 4.3                        | 82                              | .95                                 | 8.9                        | 50                              | 1.2                                 | 12                         | 70                              | 2.3                                 |
| 31                                                      | 3.3                        | 73                              | .65                                 | 8.9                        | 59                              | 1.4                                 | ---                        | ---                             | ---                                 |
| TOTAL                                                   | 359.1                      | ---                             | 10.44                               | 747.8                      | ---                             | 321.46                              | 7608.8                     | ---                             | 13500.1                             |
| OCTOBER 1980 NOVEMBER 1980 DECEMBER 1980                |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| 1                                                       | 8.9                        | 60                              | 1.4                                 | 35                         | 31                              | 2.6                                 | 11                         | 3                               | .09                                 |
| 2                                                       | 8.3                        | 50                              | 1.1                                 | 26                         | 41                              | 2.7                                 | 9.2                        | 2                               | .05                                 |
| 3                                                       | 7.5                        | 45                              | .91                                 | 18                         | 44                              | 2.3                                 | 10                         | 1                               | .03                                 |
| 4                                                       | 7.3                        | 55                              | 1.1                                 | 14                         | 57                              | 2.2                                 | 10                         | 2                               | .05                                 |
| 5                                                       | 6.5                        | 58                              | 1.0                                 | 12                         | 40                              | 1.3                                 | 9.8                        | 2                               | .05                                 |
| 6                                                       | 5.8                        | 67                              | .51                                 | 10                         | 42                              | 1.1                                 | 8.6                        | 18                              | .42                                 |
| 7                                                       | 5.1                        | 88                              | 1.1                                 | 7.5                        | 55                              | 1.1                                 | 24                         | 375                             | 24                                  |
| 8                                                       | 5.1                        | 112                             | 1.4                                 | 5.6                        | 53                              | 1.0                                 | 1600                       | 1230                            | 1170                                |
| 9                                                       | 4.9                        | 53                              | .59                                 | 6.5                        | 57                              | 1.0                                 | 4380                       | 1040                            | 10600                               |
| 10                                                      | 4.6                        | 48                              | .53                                 | 7.0                        | 53                              | 1.0                                 | 2790                       | 470                             | 3540                                |
| 11                                                      | 4.6                        | 60                              | .66                                 | 7.5                        | 53                              | 1.1                                 | 541                        | 300                             | 426                                 |
| 12                                                      | 3.9                        | 43                              | .41                                 | 7.5                        | 50                              | 1.0                                 | 245                        | 188                             | 124                                 |
| 13                                                      | 3.9                        | 42                              | .40                                 | 6.3                        | 51                              | .67                                 | 171                        | 124                             | 57                                  |
| 14                                                      | 3.7                        | 42                              | .41                                 | 5.1                        | 50                              | .69                                 | 132                        | 40                              | 32                                  |
| 15                                                      | 4.4                        | 47                              | .51                                 | 4.9                        | 42                              | .56                                 | 96                         | 60                              | 16                                  |
| 16                                                      | 5.8                        | 46                              | .72                                 | 5.3                        | 28                              | .37                                 | 74                         | 50                              | 10                                  |
| 17                                                      | 6.7                        | 43                              | .78                                 | 5.8                        | 27                              | .42                                 | 62                         | 33                              | 5.5                                 |
| 18                                                      | 5.8                        | 40                              | .63                                 | 12                         | 19                              | .58                                 | 54                         | 30                              | 4.4                                 |
| 19                                                      | 8.3                        | 33                              | .98                                 | 9.8                        | 7                               | .19                                 | 43                         | 28                              | 3.3                                 |
| 20                                                      | 7.0                        | 37                              | .67                                 | 9.2                        | 4                               | .10                                 | 31                         | ---                             | ---                                 |
| 21                                                      | 6.0                        | 40                              | .90                                 | 8.6                        | 6                               | .14                                 | 21                         | ---                             | ---                                 |
| 22                                                      | 10                         | 43                              | 2.1                                 | 8.6                        | 3                               | .07                                 | 24                         | ---                             | ---                                 |
| 23                                                      | 8.3                        | 52                              | 1.5                                 | 8.6                        | 4                               | .09                                 | 21                         | ---                             | ---                                 |
| 24                                                      | 7.2                        | 42                              | 1.1                                 | 8.1                        | 2                               | .04                                 | 19                         | ---                             | ---                                 |
| 25                                                      | 6.2                        | 27                              | .59                                 | 8.1                        | 3                               | .07                                 | 16                         | ---                             | ---                                 |
| 26                                                      | 6.2                        | 25                              | .55                                 | 10                         | 4                               | .11                                 | 15                         | ---                             | ---                                 |
| 27                                                      | 7.8                        | 27                              | .73                                 | 19                         | 3                               | .15                                 | 15                         | ---                             | ---                                 |
| 28                                                      | 8.6                        | 23                              | .53                                 | 13                         | 2                               | .07                                 | 15                         | ---                             | ---                                 |
| 29                                                      | 8.9                        | 28                              | .67                                 | 10                         | 1                               | .03                                 | 15                         | ---                             | ---                                 |
| 30                                                      | 21                         | 36                              | 1.3                                 | 10                         | 1                               | .03                                 | 15                         | ---                             | ---                                 |
| 31                                                      | 56                         | 35                              | 2.8                                 | ---                        | ---                             | ---                                 | 17                         | ---                             | ---                                 |
| TOTAL                                                   | 264.3                      | ---                             | 28.58                               | 319.0                      | ---                             | 22.78                               | 10494.6                    | ---                             | 16012.89                            |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                     | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) |
|---------------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05503500 North Fork Salt River near Hunnewell, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JANUARY 1981                                            |                            |                                 | FEBRUARY 1981                       |                            |                                 | MARCH 1981                          |                            |                                 |                                     |
| 1                                                       | 19                         | ---                             | ---                                 | 12                         | ---                             | ---                                 | 109                        | 205                             | 60                                  |
| 2                                                       | 21                         | ---                             | ---                                 | 12                         | ---                             | ---                                 | 85                         | 97                              | 22                                  |
| 3                                                       | 21                         | ---                             | ---                                 | 9.8                        | ---                             | ---                                 | 132                        | 60                              | 21                                  |
| 4                                                       | 20                         | ---                             | ---                                 | 8.6                        | ---                             | ---                                 | 520                        | 40                              | 56                                  |
| 5                                                       | 16                         | ---                             | ---                                 | 8.0                        | ---                             | ---                                 | 277                        | 84                              | 63                                  |
| 6                                                       | 15                         | ---                             | ---                                 | 7.2                        | ---                             | ---                                 | 165                        | 340                             | 151                                 |
| 7                                                       | 15                         | ---                             | ---                                 | 7.0                        | ---                             | ---                                 | 117                        | 462                             | 146                                 |
| 8                                                       | 13                         | ---                             | ---                                 | 7.0                        | ---                             | ---                                 | 94                         | 195                             | 49                                  |
| 9                                                       | 12                         | ---                             | ---                                 | 7.5                        | ---                             | ---                                 | 80                         | 108                             | 23                                  |
| 10                                                      | 11                         | ---                             | ---                                 | 7.8                        | ---                             | ---                                 | 73                         | 80                              | 16                                  |
| 11                                                      | 10                         | ---                             | ---                                 | 7.8                        | ---                             | ---                                 | 64                         | 62                              | 11                                  |
| 12                                                      | 9.8                        | ---                             | ---                                 | 7.2                        | ---                             | ---                                 | 57                         | 51                              | 7.8                                 |
| 13                                                      | 9.5                        | ---                             | ---                                 | 6.8                        | ---                             | ---                                 | 50                         | 53                              | 7.2                                 |
| 14                                                      | 9.2                        | ---                             | ---                                 | 6.8                        | ---                             | ---                                 | 43                         | 40                              | 4.6                                 |
| 15                                                      | 9.5                        | ---                             | ---                                 | 7.5                        | ---                             | ---                                 | 56                         | 33                              | 5.0                                 |
| 16                                                      | 9.5                        | ---                             | ---                                 | 13                         | ---                             | ---                                 | 48                         | 34                              | 4.4                                 |
| 17                                                      | 9.5                        | ---                             | ---                                 | 30                         | ---                             | ---                                 | 44                         | 26                              | 3.1                                 |
| 18                                                      | 9.2                        | ---                             | ---                                 | 47                         | ---                             | ---                                 | 36                         | 23                              | 2.2                                 |
| 19                                                      | 9.2                        | ---                             | ---                                 | 211                        | ---                             | ---                                 | 24                         | 20                              | 1.3                                 |
| 20                                                      | 9.8                        | ---                             | ---                                 | 191                        | 76                              | 39                                  | 24                         | 20                              | 1.3                                 |
| 21                                                      | 10                         | ---                             | ---                                 | 125                        | 62                              | 28                                  | 26                         | 25                              | 1.8                                 |
| 22                                                      | 10                         | ---                             | ---                                 | 112                        | 80                              | 24                                  | 26                         | 21                              | 1.5                                 |
| 23                                                      | 11                         | ---                             | ---                                 | 253                        | 108                             | 74                                  | 57                         | 25                              | 2.5                                 |
| 24                                                      | 12                         | ---                             | ---                                 | 1230                       | 1610                            | 5350                                | 40                         | 30                              | 3.2                                 |
| 25                                                      | 13                         | ---                             | ---                                 | 1260                       | 2020                            | 6870                                | 33                         | 30                              | 2.7                                 |
| 26                                                      | 14                         | 45                              | 1.7                                 | 541                        | 925                             | 1350                                | 30                         | 28                              | 2.3                                 |
| 27                                                      | 16                         | 40                              | 1.7                                 | 289                        | 575                             | 449                                 | 32                         | 23                              | 2.0                                 |
| 28                                                      | 15                         | 41                              | 1.7                                 | 173                        | 320                             | 149                                 | 31                         | 15                              | 1.3                                 |
| 29                                                      | 13                         | 39                              | 1.4                                 | ---                        | ---                             | ---                                 | 25                         | 16                              | 1.1                                 |
| 30                                                      | 12                         | ---                             | ---                                 | ---                        | ---                             | ---                                 | 25                         | 20                              | 1.4                                 |
| 31                                                      | 12                         | ---                             | ---                                 | ---                        | ---                             | ---                                 | 24                         | 20                              | 1.3                                 |
| TOTAL                                                   | 396.2                      | ---                             | 6.5                                 | 4598.0                     | ---                             | 14333                               | 2427                       | ---                             | 676.0                               |
| APRIL 1981                                              |                            |                                 | MAY 1981                            |                            |                                 | JUNE 1981                           |                            |                                 |                                     |
| 1                                                       | 21                         | 21                              | 1.2                                 | 65                         | 80                              | 14                                  | 231                        | 440                             | 274                                 |
| 2                                                       | 20                         | 18                              | .97                                 | 45                         | 75                              | 9.1                                 | 125                        | 260                             | 94                                  |
| 3                                                       | 20                         | 22                              | 1.2                                 | 40                         | 60                              | 6.5                                 | 92                         | 218                             | 54                                  |
| 4                                                       | 19                         | 24                              | 1.2                                 | 36                         | 60                              | 5.8                                 | 74                         | 175                             | 35                                  |
| 5                                                       | 15                         | 15                              | .61                                 | 36                         | 75                              | 7.3                                 | 61                         | 150                             | 25                                  |
| 6                                                       | 14                         | 15                              | .57                                 | 221                        | 145                             | 87                                  | 75                         | 108                             | 22                                  |
| 7                                                       | 13                         | 20                              | .70                                 | 150                        | 290                             | 117                                 | 69                         | 90                              | 17                                  |
| 8                                                       | 12                         | 30                              | .97                                 | 65                         | 300                             | 69                                  | 53                         | 75                              | 11                                  |
| 9                                                       | 12                         | 70                              | 2.3                                 | 60                         | 200                             | 32                                  | 46                         | 80                              | 9.9                                 |
| 10                                                      | 16                         | 66                              | 2.4                                 | 95                         | 175                             | 45                                  | 170                        | 150                             | 69                                  |
| 11                                                      | 17                         | 60                              | 2.8                                 | 2230                       | 860                             | 5160                                | 106                        | 90                              | 26                                  |
| 12                                                      | 21                         | 78                              | 4.4                                 | 1320                       | 400                             | 1430                                | 65                         | 120                             | 21                                  |
| 13                                                      | 608                        | 452                             | 742                                 | 514                        | 282                             | 391                                 | 2280                       | 3400                            | 20900                               |
| 14                                                      | 2870                       | 2900                            | 22500                               | 3220                       | 1370                            | 11900                               | 4560                       | 1820                            | 22400                               |
| 15                                                      | 2400                       | 1260                            | 8160                                | 5520                       | 801                             | 11900                               | 4950                       | 920                             | 12300                               |
| 16                                                      | 613                        | 550                             | 910                                 | 7390                       | 810                             | 16200                               | 2810                       | 970                             | 7360                                |
| 17                                                      | 280                        | 340                             | 257                                 | 7220                       | 640                             | 12500                               | 2250                       | 975                             | 5920                                |
| 18                                                      | 203                        | 220                             | 121                                 | 7520                       | 769                             | 15600                               | 583                        | 580                             | 913                                 |
| 19                                                      | 465                        | 480                             | 603                                 | 9410                       | 460                             | 11700                               | 377                        | 475                             | 484                                 |
| 20                                                      | 1700                       | 1270                            | 5830                                | 12100                      | 365                             | 11900                               | 874                        | 2590                            | 6110                                |
| 21                                                      | 866                        | 550                             | 1290                                | 6830                       | 250                             | 5460                                | 392                        | 900                             | 953                                 |
| 22                                                      | 437                        | 250                             | 295                                 | 1450                       | 260                             | 1020                                | 576                        | 695                             | 1080                                |
| 23                                                      | 1930                       | 1490                            | 7760                                | 901                        | 265                             | 645                                 | 307                        | 1260                            | 1040                                |
| 24                                                      | 2120                       | 1350                            | 7730                                | 978                        | 550                             | 1450                                | 156                        | 670                             | 262                                 |
| 25                                                      | 563                        | 520                             | 790                                 | 580                        | 570                             | 893                                 | 3460                       | 3030                            | 26300                               |
| 26                                                      | 268                        | 260                             | 186                                 | 407                        | 250                             | 275                                 | 5440                       | 1550                            | 22800                               |
| 27                                                      | 180                        | 135                             | 66                                  | 339                        | 160                             | 146                                 | 3130                       | 760                             | 6420                                |
| 28                                                      | 131                        | 115                             | 41                                  | 344                        | 220                             | 204                                 | 569                        | 500                             | 768                                 |
| 29                                                      | 100                        | 100                             | 27                                  | 251                        | 440                             | 298                                 | 295                        | 260                             | 223                                 |
| 30                                                      | 79                         | 80                              | 17                                  | 749                        | 892                             | 1800                                | 1590                       | 2580                            | 11100                               |
| 31                                                      | ---                        | ---                             | ---                                 | 640                        | 1200                            | 2070                                | ---                        | ---                             | ---                                 |
| TOTAL                                                   | 16013                      | ---                             | 57346.82                            | 72746                      | ---                             | 113854.7                            | 35766                      | ---                             | 150010.9                            |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                     | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05503500 North Fork Salt River near Hunnewell, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JULY 1981                                               |                            |                                 | AUGUST 1981                         |                            |                                 | SEPTEMBER 1981                      |                            |                                 |                                     |
| 1                                                       | 2180                       | 2830                            | 16700                               | 650                        | 210                             | 369                                 | 41                         | 240                             | 27                                  |
| 2                                                       | 775                        | 1120                            | 2340                                | 452                        | 200                             | 244                                 | 26                         | 100                             | 7.0                                 |
| 3                                                       | 336                        | 520                             | 472                                 | 511                        | 360                             | 497                                 | 31                         | 125                             | 10                                  |
| 4                                                       | 1650                       | 1670                            | 7440                                | 261                        | 240                             | 169                                 | 30                         | 150                             | 12                                  |
| 5                                                       | 4920                       | 1590                            | 21100                               | 233                        | 160                             | 113                                 | 23                         | 120                             | 7.5                                 |
| 6                                                       | 6660                       | 670                             | 12000                               | 323                        | 250                             | 218                                 | 17                         | 110                             | 5.0                                 |
| 7                                                       | 5210                       | 440                             | 6190                                | 150                        | 190                             | 77                                  | 22                         | 60                              | 4.8                                 |
| 8                                                       | 692                        | 380                             | 710                                 | 108                        | 130                             | 38                                  | 20                         | 80                              | 4.3                                 |
| 9                                                       | 310                        | 240                             | 201                                 | 66                         | 90                              | 21                                  | 18                         | 60                              | 3.9                                 |
| 10                                                      | 205                        | 180                             | 100                                 | 76                         | 60                              | 12                                  | 18                         | 90                              | 4.4                                 |
| 11                                                      | 145                        | 125                             | 49                                  | 66                         | 75                              | 13                                  | 37                         | 100                             | 10                                  |
| 12                                                      | 207                        | 150                             | 84                                  | 54                         | 90                              | 13                                  | 30                         | 100                             | 8.1                                 |
| 13                                                      | 98                         | 120                             | 32                                  | 51                         | 60                              | 8.3                                 | 21                         | 100                             | 5.7                                 |
| 14                                                      | 67                         | 120                             | 22                                  | 42                         | 90                              | 10                                  | 16                         | 90                              | 3.9                                 |
| 15                                                      | 51                         | 175                             | 24                                  | 42                         | 790                             | 90                                  | 14                         | 90                              | 3.4                                 |
| 16                                                      | 49                         | 210                             | 28                                  | 580                        | 360                             | 564                                 | 12                         | 80                              | 2.6                                 |
| 17                                                      | 280                        | 260                             | 197                                 | 333                        | 175                             | 157                                 | 11                         | 80                              | 2.4                                 |
| 18                                                      | 136                        | 210                             | 77                                  | 134                        | 175                             | 63                                  | 9.6                        | 60                              | 1.6                                 |
| 19                                                      | 407                        | 892                             | 980                                 | 81                         | 180                             | 39                                  | 8.8                        | 60                              | 1.4                                 |
| 20                                                      | 1120                       | 2320                            | 7020                                | 58                         | 160                             | 28                                  | 8.0                        | 60                              | 1.3                                 |
| 21                                                      | 603                        | 1150                            | 1870                                | 45                         | 150                             | 18                                  | 9.1                        | 90                              | 2.2                                 |
| 22                                                      | 246                        | 520                             | 345                                 | 36                         | 180                             | 17                                  | 11                         | 90                              | 2.7                                 |
| 23                                                      | 504                        | 900                             | 1220                                | 32                         | 200                             | 17                                  | 9.9                        | 80                              | 2.1                                 |
| 24                                                      | 1890                       | 1800                            | 9190                                | 30                         | 260                             | 23                                  | 7.7                        | 90                              | 1.9                                 |
| 25                                                      | 1630                       | 1110                            | 4890                                | 31                         | 150                             | 13                                  | 8.0                        | 90                              | 1.9                                 |
| 26                                                      | 4360                       | 1440                            | 17000                               | 26                         | 80                              | 5.6                                 | 42                         | 100                             | 11                                  |
| 27                                                      | 8020                       | 640                             | 13900                               | 25                         | 40                              | 6.1                                 | 94                         | 90                              | 23                                  |
| 28                                                      | 13000                      | 400                             | 14000                               | 30                         | 180                             | 15                                  | 109                        | 80                              | 24                                  |
| 29                                                      | 14300                      | 270                             | 10400                               | 37                         | 290                             | 29                                  | 62                         | 90                              | 20                                  |
| 30                                                      | 10000                      | 220                             | 5940                                | 104                        | 380                             | 107                                 | 44                         | 90                              | 11                                  |
| 31                                                      | 1780                       | 360                             | 1730                                | 194                        | 440                             | 230                                 | ---                        | ---                             | ---                                 |
| TOTAL                                                   | 81831                      | ---                             | 156251                              | 4881                       | ---                             | 3224.0                              | 830.1                      | ---                             | 226.1                               |
| YEAR                                                    | 230566.2                   | ---                             | 511993.27                           | ---                        | ---                             | ---                                 | ---                        | ---                             | ---                                 |
| OCTOBER 1981                                            |                            |                                 | NOVEMBER 1981                       |                            |                                 | DECEMBER 1981                       |                            |                                 |                                     |
| 1                                                       | 29                         | 34                              | 2.7                                 | 37                         | 31                              | 3.1                                 | 462                        | 372                             | 850                                 |
| 2                                                       | 18                         | 34                              | 1.7                                 | 2380                       | 1060                            | 6870                                | 1270                       | 892                             | 2300                                |
| 3                                                       | 13                         | 34                              | 1.2                                 | 4670                       | 730                             | 9200                                | 501                        | 400                             | 541                                 |
| 4                                                       | 11                         | 34                              | 1.0                                 | 6060                       | 390                             | 6360                                | 248                        | 198                             | 133                                 |
| 5                                                       | 9.9                        | 32                              | .86                                 | 5980                       | 232                             | 3750                                | 172                        | 47                              | 22                                  |
| 6                                                       | 8.8                        | 30                              | .71                                 | 1490                       | 276                             | 1110                                | 136                        | 40                              | 15                                  |
| 7                                                       | 9.3                        | 29                              | .73                                 | 552                        | 60                              | 119                                 | 116                        | 32                              | 10                                  |
| 8                                                       | 9.1                        | 26                              | .64                                 | 328                        | 49                              | 43                                  | 106                        | 28                              | 8.0                                 |
| 9                                                       | 9.1                        | 23                              | .57                                 | 219                        | 36                              | 21                                  | 98                         | 22                              | 5.8                                 |
| 10                                                      | 11                         | 22                              | .65                                 | 168                        | 30                              | 14                                  | 95                         | 24                              | 6.2                                 |
| 11                                                      | 10                         | 18                              | .49                                 | 134                        | 25                              | 9.0                                 | 78                         | 17                              | 3.6                                 |
| 12                                                      | 10                         | 33                              | .89                                 | 113                        | 26                              | 7.9                                 | 72                         | 16                              | 3.1                                 |
| 13                                                      | 13                         | 74                              | 2.6                                 | 103                        | 19                              | 5.3                                 | 70                         | 17                              | 3.2                                 |
| 14                                                      | 47                         | 25                              | 3.2                                 | 95                         | 21                              | 5.4                                 | 67                         | 16                              | 2.9                                 |
| 15                                                      | 494                        | 239                             | 345                                 | 92                         | 22                              | 5.5                                 | 65                         | 12                              | 2.1                                 |
| 16                                                      | 548                        | 434                             | 642                                 | 47                         | 28                              | 7.3                                 | 56                         | ---                             | ---                                 |
| 17                                                      | 196                        | 210                             | 111                                 | 85                         | 14                              | 3.2                                 | 54                         | ---                             | ---                                 |
| 18                                                      | 128                        | 60                              | 21                                  | 78                         | 14                              | 2.9                                 | 29                         | ---                             | ---                                 |
| 19                                                      | 103                        | 51                              | 14                                  | 75                         | 18                              | 3.6                                 | 44                         | ---                             | ---                                 |
| 20                                                      | 86                         | 42                              | 9.8                                 | 78                         | 23                              | 4.8                                 | 40                         | ---                             | ---                                 |
| 21                                                      | 72                         | 39                              | 7.6                                 | 74                         | 6                               | 1.2                                 | 38                         | ---                             | ---                                 |
| 22                                                      | 53                         | 39                              | 5.6                                 | 71                         | 8                               | 1.5                                 | 43                         | ---                             | ---                                 |
| 23                                                      | 37                         | 40                              | 4.0                                 | 67                         | 16                              | 2.9                                 | 55                         | ---                             | ---                                 |
| 24                                                      | 26                         | 26                              | 1.8                                 | 66                         | 25                              | 4.5                                 | 64                         | ---                             | ---                                 |
| 25                                                      | 20                         | 26                              | 1.4                                 | 62                         | 14                              | 2.3                                 | 75                         | ---                             | ---                                 |
| 26                                                      | 17                         | 27                              | 1.2                                 | 62                         | 19                              | 3.2                                 | 85                         | ---                             | ---                                 |
| 27                                                      | 17                         | 29                              | 1.3                                 | 62                         | 17                              | 2.8                                 | 82                         | ---                             | ---                                 |
| 28                                                      | 16                         | 32                              | 1.4                                 | 69                         | 18                              | 3.4                                 | 85                         | ---                             | ---                                 |
| 29                                                      | 15                         | 40                              | 1.6                                 | 91                         | 16                              | 3.9                                 | 82                         | ---                             | ---                                 |
| 30                                                      | 15                         | 28                              | 1.1                                 | 100                        | 15                              | 4.1                                 | 79                         | ---                             | ---                                 |
| 31                                                      | 15                         | 30                              | 1.2                                 | ---                        | ---                             | ---                                 | 67                         | ---                             | ---                                 |
| TOTAL                                                   | 2066.2                     | ---                             | 1188.94                             | 23558                      | ---                             | 27594.8                             | 4534                       | ---                             | 3905.9                              |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                     | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05503500 North Fork Salt River near Hunnewell, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JANUARY 1982                                            |                            |                                 | FEBRUARY 1982                       |                            |                                 | MARCH 1982                          |                            |                                 |                                     |
| 1                                                       | 50                         |                                 |                                     | 7600                       | 53                              | 1090                                | 325                        | 71                              | 62                                  |
| 2                                                       | 49                         |                                 |                                     | 5020                       | 50                              | 407                                 | 323                        | 56                              | 49                                  |
| 3                                                       | 50                         |                                 |                                     | 2120                       | 29                              | 166                                 | 344                        | 68                              | 63                                  |
| 4                                                       | 51                         |                                 |                                     | 991                        | 51                              | 136                                 | 443                        | 72                              | 66                                  |
| 5                                                       | 50                         |                                 |                                     | 770                        | 17                              | 35                                  | 395                        | 64                              | 68                                  |
| 6                                                       | 53                         |                                 |                                     | 507                        | 15                              | 21                                  | 292                        | 58                              | 46                                  |
| 7                                                       | 52                         |                                 |                                     | 443                        | ---                             | ---                                 | 312                        | 60                              | 51                                  |
| 8                                                       | 54                         |                                 |                                     | 302                        | ---                             | ---                                 | 259                        | 58                              | 41                                  |
| 9                                                       | 42                         |                                 |                                     | 214                        | ---                             | ---                                 | 146                        | 38                              | 20                                  |
| 10                                                      | 36                         |                                 |                                     | 160                        | ---                             | ---                                 | 183                        | 46                              | 23                                  |
| 11                                                      | 28                         |                                 |                                     | 106                        | ---                             | ---                                 | 957                        | 1460                            | 3090                                |
| 12                                                      | 25                         |                                 |                                     | 78                         | ---                             | ---                                 | 2070                       | 1910                            | 10700                               |
| 13                                                      | 24                         |                                 |                                     | 62                         | ---                             | ---                                 | 1600                       | 200                             | 864                                 |
| 14                                                      | 24                         |                                 |                                     | 52                         | ---                             | ---                                 | 1510                       | 810                             | 5280                                |
| 15                                                      | 24                         |                                 |                                     | 120                        | ---                             | ---                                 | 3820                       | 2490                            | 2520                                |
| 16                                                      | 25                         |                                 |                                     | 1400                       | ---                             | ---                                 | 7220                       | 1480                            | 2780                                |
| 17                                                      | 25                         |                                 |                                     | 3460                       | 198                             | 1850                                | 7440                       | 1220                            | 24500                               |
| 18                                                      | 26                         |                                 |                                     | 3600                       | 164                             | 1540                                | 2920                       | 1050                            | 8280                                |
| 19                                                      | 26                         |                                 |                                     | 4520                       | 264                             | 3220                                | 1370                       | 900                             | 3330                                |
| 20                                                      | 26                         |                                 |                                     | 5090                       | 290                             | 3990                                | 3050                       | 2080                            | 17400                               |
| 21                                                      | 27                         |                                 |                                     | 6210                       | 344                             | 5770                                | 2450                       | 1120                            | 7410                                |
| 22                                                      | 29                         |                                 |                                     | 8830                       | 364                             | 8680                                | 801                        | 503                             | 1090                                |
| 23                                                      | 35                         |                                 |                                     | 7040                       | 356                             | 6770                                | 440                        | 302                             | 359                                 |
| 24                                                      | 34                         |                                 |                                     | 2250                       | 327                             | 1990                                | 341                        | 294                             | 271                                 |
| 25                                                      | 28                         |                                 |                                     | 1040                       | 368                             | 1030                                | 262                        | 135                             | 103                                 |
| 26                                                      | 28                         |                                 |                                     | 613                        | 242                             | 401                                 | 228                        | 80                              | 49                                  |
| 27                                                      | 30                         |                                 |                                     | 440                        | 226                             | 268                                 | 187                        | 72                              | 36                                  |
| 28                                                      | 52                         |                                 |                                     | 350                        | 106                             | 100                                 | 160                        | 75                              | 32                                  |
| 29                                                      | 81                         |                                 |                                     | ---                        | ---                             | ---                                 | 145                        | 67                              | 26                                  |
| 30                                                      | 1200                       |                                 |                                     | ---                        | ---                             | ---                                 | 147                        | 92                              | 37                                  |
| 31                                                      | 4800                       |                                 |                                     | ---                        | ---                             | ---                                 | 217                        | 92                              | 54                                  |
| TOTAL                                                   | 7084                       |                                 |                                     | 63388                      | ---                             | 37514                               | 40427                      | ---                             | 88720                               |
| APRIL 1982                                              |                            |                                 | MAY 1982                            |                            |                                 | JUNE 1982                           |                            |                                 |                                     |
| 1                                                       | 398                        | 162                             | 174                                 | 64                         | 67                              | 12                                  | 4240                       | 850                             | 9730                                |
| 2                                                       | 221                        | 515                             | 307                                 | 60                         | 59                              | 9.6                                 | 5000                       | 400                             | 3240                                |
| 3                                                       | 251                        | 382                             | 259                                 | 58                         | 37                              | 5.8                                 | 708                        | 250                             | 478                                 |
| 4                                                       | 221                        | 223                             | 133                                 | 56                         | 43                              | 6.5                                 | 303                        | 175                             | 172                                 |
| 5                                                       | 179                        | 173                             | 84                                  | 54                         | 50                              | 7.3                                 | 274                        | 170                             | 126                                 |
| 6                                                       | 174                        | 110                             | 52                                  | 231                        | 335                             | 456                                 | 213                        | 130                             | 75                                  |
| 7                                                       | 154                        | 68                              | 28                                  | 616                        | 911                             | 1530                                | 311                        | 150                             | 126                                 |
| 8                                                       | 141                        | 62                              | 24                                  | 361                        | 325                             | 317                                 | 363                        | 340                             | 353                                 |
| 9                                                       | 152                        | 50                              | 21                                  | 191                        | 174                             | 90                                  | 6100                       | 2170                            | 35400                               |
| 10                                                      | 189                        | 43                              | 22                                  | 130                        | 140                             | 49                                  | 9100                       | 830                             | 20400                               |
| 11                                                      | 233                        | 65                              | 41                                  | 100                        | 110                             | 30                                  | 11500                      | 420                             | 13000                               |
| 12                                                      | 226                        | 70                              | 43                                  | 82                         | 94                              | 21                                  | 6420                       | 342                             | 6390                                |
| 13                                                      | 183                        | 55                              | 27                                  | 70                         | 90                              | 17                                  | 846                        | 374                             | 854                                 |
| 14                                                      | 150                        | 60                              | 24                                  | 65                         | 95                              | 17                                  | 393                        | 262                             | 278                                 |
| 15                                                      | 130                        | 45                              | 16                                  | 70                         | 85                              | 16                                  | 262                        | 200                             | 152                                 |
| 16                                                      | 121                        | 55                              | 18                                  | 226                        | 704                             | 465                                 | 303                        | 200                             | 196                                 |
| 17                                                      | 1200                       | 1850                            | 10900                               | 170                        | 240                             | 110                                 | 306                        | 240                             | 257                                 |
| 18                                                      | 1990                       | 2500                            | 14600                               | 344                        | 270                             | 251                                 | 249                        | 150                             | 101                                 |
| 19                                                      | 524                        | 870                             | 1230                                | 363                        | 532                             | 521                                 | 247                        | 189                             | 126                                 |
| 20                                                      | 275                        | 530                             | 394                                 | 186                        | 225                             | 113                                 | 497                        | 443                             | 594                                 |
| 21                                                      | 191                        | 242                             | 125                                 | 605                        | 2040                            | 3930                                | 240                        | 425                             | 275                                 |
| 22                                                      | 150                        | 141                             | 57                                  | 5070                       | 2600                            | 21200                               | 142                        | 234                             | 90                                  |
| 23                                                      | 127                        | 120                             | 41                                  | 1660                       | 1130                            | 5000                                | 104                        | 178                             | 50                                  |
| 24                                                      | 111                        | 107                             | 32                                  | 528                        | 500                             | 713                                 | 85                         | 135                             | 31                                  |
| 25                                                      | 101                        | 73                              | 20                                  | 248                        | 450                             | 301                                 | 71                         | 100                             | 19                                  |
| 26                                                      | 97                         | 68                              | 18                                  | 3780                       | 2460                            | 25300                               | 67                         | 94                              | 17                                  |
| 27                                                      | 88                         | 68                              | 16                                  | 4090                       | 820                             | 9060                                | 210                        | 97                              | 55                                  |
| 28                                                      | 79                         | 73                              | 16                                  | 1050                       | 470                             | 1330                                | 574                        | 180                             | 279                                 |
| 29                                                      | 71                         | 50                              | 9.6                                 | 414                        | 250                             | 279                                 | 393                        | 183                             | 194                                 |
| 30                                                      | 66                         | 47                              | 8.4                                 | 867                        | 655                             | 2850                                | 162                        | 760                             | 373                                 |
| 31                                                      | ---                        | ---                             | ---                                 | 2780                       | 1860                            | 12800                               | ---                        | ---                             | ---                                 |
| TOTAL                                                   | 8193                       | ---                             | 26740.0                             | 22569                      | ---                             | 86467.2                             | 46403                      | ---                             | 91391                               |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                     | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05503500 North Fork Salt River near Hunnewell, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JULY 1982                                               |                            |                                      | AUGUST 1982                         |                            |                                      | SEPTEMBER 1982                      |                            |                                      |                                     |
| 1                                                       | 158                        | 510                                  | 218                                 | 49                         | 80                                   | 11                                  | 813                        | 840                                  | 1840                                |
| 2                                                       | 213                        | 352                                  | 202                                 | 43                         | 80                                   | 9.3                                 | 1520                       | 1010                                 | 4150                                |
| 3                                                       | 3130                       | 2240                                 | 18900                               | 38                         | 90                                   | 9.2                                 | 1500                       | 870                                  | 3520                                |
| 4                                                       | 4860                       | 1660                                 | 21800                               | 35                         | 70                                   | 6.6                                 | 443                        | 340                                  | 407                                 |
| 5                                                       | 5860                       | 1010                                 | 16000                               | 32                         | 70                                   | 6.0                                 | 231                        | 210                                  | 131                                 |
| 6                                                       | 3450                       | 850                                  | 7920                                | 39                         | 75                                   | 7.9                                 | 154                        | 130                                  | 54                                  |
| 7                                                       | 566                        | 580                                  | 886                                 | 100                        | 170                                  | 46                                  | 134                        | 100                                  | 36                                  |
| 8                                                       | 310                        | 330                                  | 276                                 | 100                        | 310                                  | 84                                  | 147                        | 100                                  | 40                                  |
| 9                                                       | 222                        | 250                                  | 150                                 | 64                         | 150                                  | 26                                  | 189                        | 115                                  | 59                                  |
| 10                                                      | 182                        | 280                                  | 138                                 | 111                        | 220                                  | 66                                  | 134                        | 95                                   | 34                                  |
| 11                                                      | 143                        | 250                                  | 97                                  | 98                         | 175                                  | 46                                  | 98                         | 80                                   | 21                                  |
| 12                                                      | 169                        | 210                                  | 96                                  | 109                        | 160                                  | 47                                  | 78                         | 70                                   | 15                                  |
| 13                                                      | 155                        | 200                                  | 84                                  | 106                        | 140                                  | 40                                  | 65                         | 75                                   | 13                                  |
| 14                                                      | 189                        | 400                                  | 204                                 | 79                         | 135                                  | 29                                  | 59                         | 65                                   | 10                                  |
| 15                                                      | 1850                       | 2810                                 | 14000                               | 2750                       | 1470                                 | 4330                                | 52                         | 70                                   | 9.8                                 |
| 16                                                      | 1080                       | 1130                                 | 3300                                | 6850                       | 735                                  | 13600                               | 47                         | 75                                   | 9.5                                 |
| 17                                                      | 506                        | 675                                  | 922                                 | 8640                       | 460                                  | 9330                                | 41                         | 80                                   | 8.9                                 |
| 18                                                      | 707                        | 1620                                 | 3090                                | 4720                       | 355                                  | 4520                                | 39                         | 95                                   | 10                                  |
| 19                                                      | 630                        | 1020                                 | 1740                                | 653                        | 325                                  | 573                                 | 500                        | 750                                  | 557                                 |
| 20                                                      | 3820                       | 1860                                 | 19200                               | 375                        | 250                                  | 253                                 | 251                        | 460                                  | 312                                 |
| 21                                                      | 5730                       | 960                                  | 14900                               | 275                        | 160                                  | 119                                 | 127                        | 230                                  | 79                                  |
| 22                                                      | 3610                       | 510                                  | 4970                                | 176                        | 70                                   | 33                                  | 82                         | 145                                  | 32                                  |
| 23                                                      | 462                        | 410                                  | 511                                 | 120                        | 60                                   | 19                                  | 60                         | 120                                  | 19                                  |
| 24                                                      | 236                        | 240                                  | 153                                 | 100                        | 70                                   | 19                                  | 50                         | 130                                  | 18                                  |
| 25                                                      | 148                        | 160                                  | 64                                  | 89                         | 45                                   | 11                                  | 41                         | 125                                  | 14                                  |
| 26                                                      | 106                        | 285                                  | 82                                  | 63                         | 80                                   | 18                                  | 35                         | 130                                  | 12                                  |
| 27                                                      | 210                        | 1650                                 | 936                                 | 205                        | 100                                  | 35                                  | 33                         | 135                                  | 12                                  |
| 28                                                      | 111                        | 312                                  | 94                                  | 168                        | 90                                   | 41                                  | 30                         | 60                                   | 6.5                                 |
| 29                                                      | 78                         | 90                                   | 19                                  | 147                        | 115                                  | 46                                  | 30                         | 90                                   | 7.3                                 |
| 30                                                      | 64                         | 95                                   | 16                                  | 412                        | 219                                  | 124                                 | 27                         | 60                                   | 4.4                                 |
| 31                                                      | 58                         | 100                                  | 16                                  | 1050                       | 60                                   | 51100                               | ---                        | ---                                  | ---                                 |
| TOTAL                                                   | 39013                      | ---                                  | 130984                              | 27816                      | ---                                  | 84625.0                             | 7010                       | ---                                  | 11441.4                             |
| YEAR                                                    | 298081.2                   |                                      | 634238.24                           |                            |                                      |                                     |                            |                                      |                                     |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                             | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|-------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05505000 South Fork Salt River at Santa Fe, Mo. |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JULY 1980                                       |                            |                                 |                                     | AUGUST 1980                |                                 |                                     |                            | SEPTEMBER 1980                  |                                     |
| 1                                               | 2.7                        | ---                             | ---                                 | .35                        | 29                              | .03                                 | .68                        | 77                              | .14                                 |
| 2                                               | 2.9                        | ---                             | ---                                 | .25                        | 29                              | .02                                 | 16                         | 147                             | 6.4                                 |
| 3                                               | 2530                       | ---                             | ---                                 | .20                        | 31                              | .02                                 | 12                         | 99                              | 3.2                                 |
| 4                                               | 2190                       | ---                             | ---                                 | .20                        | 28                              | .02                                 | 7.8                        | 80                              | 1.7                                 |
| 5                                               | 205                        | ---                             | ---                                 | .25                        | 32                              | .02                                 | 8.3                        | 95                              | 2.1                                 |
| 6                                               | 75                         | ---                             | ---                                 | .40                        | 31                              | .03                                 | 5.9                        | 15                              | 1.2                                 |
| 7                                               | 43                         | ---                             | ---                                 | .45                        | 33                              | .04                                 | 8.3                        | 56                              | 1.3                                 |
| 8                                               | 26                         | ---                             | ---                                 | .50                        | 39                              | .05                                 | 5.7                        | 63                              | .97                                 |
| 9                                               | 16                         | 94                              | 4.1                                 | .35                        | 31                              | .05                                 | 3.9                        | 79                              | .83                                 |
| 10                                              | 12                         | 99                              | 3.2                                 | .30                        | 54                              | .04                                 | 3.0                        | 94                              | .76                                 |
| 11                                              | 10                         | 81                              | 2.2                                 | .25                        | 48                              | .03                                 | 2.4                        | 62                              | .40                                 |
| 12                                              | 1.4                        | 66                              | 1.3                                 | .20                        | 37                              | .02                                 | 2.0                        | 44                              | .24                                 |
| 13                                              | 7.0                        | 56                              | 1.1                                 | .67                        | 48                              | .09                                 | 1.9                        | 48                              | .25                                 |
| 14                                              | 6.0                        | 49                              | .79                                 | 1.0                        | 58                              | .16                                 | 1.9                        | 42                              | .22                                 |
| 15                                              | 4.6                        | 36                              | .45                                 | 1.4                        | 64                              | .24                                 | 2.0                        | 66                              | .46                                 |
| 16                                              | 4.1                        | 42                              | .46                                 | 1.5                        | 63                              | .26                                 | 3.7                        | 106                             | 1.1                                 |
| 17                                              | 3.3                        | 36                              | .32                                 | 1.5                        | 59                              | .24                                 | 4.2                        | 66                              | .75                                 |
| 18                                              | 3.0                        | 33                              | .27                                 | 1.4                        | 76                              | .29                                 | 3.9                        | 33                              | .35                                 |
| 19                                              | 2.8                        | 43                              | .33                                 | 1.0                        | 93                              | .25                                 | 5.1                        | 25                              | .34                                 |
| 20                                              | 2.3                        | 40                              | .25                                 | .72                        | 93                              | .18                                 | 5.4                        | 27                              | .39                                 |
| 21                                              | 1.9                        | 43                              | .22                                 | .68                        | 81                              | .15                                 | 3.7                        | 20                              | .20                                 |
| 22                                              | 1.9                        | 45                              | .23                                 | 1.3                        | 62                              | .22                                 | 2.5                        | 29                              | .20                                 |
| 23                                              | 1.7                        | 38                              | .17                                 | 1.3                        | 46                              | .16                                 | 2.0                        | 60                              | .32                                 |
| 24                                              | 1.4                        | 42                              | .16                                 | 1.2                        | 26                              | .08                                 | 2.4                        | 50                              | .32                                 |
| 25                                              | 1.2                        | 34                              | .11                                 | .91                        | 12                              | .03                                 | 1.8                        | 35                              | .17                                 |
| 26                                              | .99                        | 24                              | .06                                 | .79                        | 7                               | .01                                 | 1.0                        | 33                              | .09                                 |
| 27                                              | .91                        | 29                              | .07                                 | .62                        | 22                              | .04                                 | .68                        | 31                              | .06                                 |
| 28                                              | .78                        | 29                              | .06                                 | .47                        | 29                              | .04                                 | .43                        | 20                              | .02                                 |
| 29                                              | .60                        | 28                              | .05                                 | .39                        | 28                              | .03                                 | .26                        | 18                              | .01                                 |
| 30                                              | .50                        | 26                              | .04                                 | .32                        | 30                              | .03                                 | .16                        | 17                              | .00                                 |
| 31                                              | .42                        | 24                              | .03                                 | .25                        | 36                              | .02                                 | ---                        | ---                             | ---                                 |
| TOTAL                                           | 5765.40                    | ---                             | 15.97                               | 21.12                      | ---                             | 2.69                                | 119.01                     | ---                             | 24.49                               |
| YEAR                                            | 15877.75                   |                                 | 43.35                               |                            |                                 |                                     |                            |                                 |                                     |
| OCTOBER 1980                                    |                            |                                 |                                     | NOVEMBER 1980              |                                 |                                     |                            | DECEMBER 1980                   |                                     |
| 1                                               | .25                        | 20                              | .01                                 | 5.9                        | 53                              | .84                                 | 11                         | 3                               | .09                                 |
| 2                                               | .35                        | 25                              | .02                                 | 3.8                        | 59                              | .61                                 | 13                         | 2                               | .07                                 |
| 3                                               | .30                        | 27                              | .02                                 | 2.3                        | 42                              | .26                                 | 9.9                        | 2                               | .05                                 |
| 4                                               | .30                        | 53                              | .04                                 | 2.8                        | 39                              | .29                                 | 9.4                        | 2                               | .05                                 |
| 5                                               | .30                        | 14                              | .01                                 | 3.9                        | 34                              | .36                                 | 9.0                        | 2                               | .05                                 |
| 6                                               | .26                        | 7                               | .00                                 | 5.2                        | 31                              | .44                                 | 7.6                        | 1                               | .02                                 |
| 7                                               | .25                        | 8                               | .00                                 | 4.7                        | 31                              | .39                                 | 6.5                        | 5                               | .09                                 |
| 8                                               | .25                        | 16                              | .01                                 | 5.4                        | 32                              | .47                                 | 9.7                        | 11                              | .29                                 |
| 9                                               | .24                        | 12                              | .00                                 | 5.8                        | 23                              | .36                                 | 23                         | 4                               | .25                                 |
| 10                                              | .22                        | 14                              | .00                                 | 6.0                        | 22                              | .36                                 | 15                         | 6                               | .24                                 |
| 11                                              | .14                        | 10                              | .00                                 | 6.9                        | 22                              | .41                                 | 6.7                        | 6                               | .11                                 |
| 12                                              | .15                        | 17                              | .00                                 | 7.8                        | 17                              | .36                                 | 4.8                        | 7                               | .09                                 |
| 13                                              | .15                        | 43                              | .02                                 | 7.4                        | 21                              | .42                                 | 3.3                        | 7                               | .06                                 |
| 14                                              | .17                        | 17                              | .00                                 | 7.2                        | 21                              | .41                                 | 2.2                        | 6                               | .04                                 |
| 15                                              | .26                        | 18                              | .01                                 | 7.0                        | 22                              | .42                                 | 1.8                        | 6                               | .03                                 |
| 16                                              | .62                        | 11                              | .02                                 | 7.0                        | 15                              | .28                                 | 1.6                        | 6                               | .03                                 |
| 17                                              | 1.7                        | 27                              | .12                                 | 7.7                        | 14                              | .29                                 | 1.0                        | 5                               | .01                                 |
| 18                                              | 5.4                        | 43                              | .63                                 | 7.8                        | 16                              | .34                                 | 1.2                        | 4                               | .01                                 |
| 19                                              | 6.7                        | 33                              | .60                                 | 8.2                        | 15                              | .33                                 | 1.2                        | 4                               | .01                                 |
| 20                                              | 6.0                        | 34                              | .55                                 | 9.8                        | 31                              | .82                                 | 1.1                        | 5                               | .01                                 |
| 21                                              | 3.0                        | 36                              | .29                                 | 11                         | 62                              | 1.8                                 | 1.2                        | 4                               | .01                                 |
| 22                                              | 2.7                        | 35                              | .26                                 | 8.5                        | 42                              | .96                                 | 1.2                        | 2                               | .00                                 |
| 23                                              | 1.8                        | 35                              | .17                                 | 7.3                        | 23                              | .45                                 | 1.2                        | 2                               | .00                                 |
| 24                                              | 4.4                        | 38                              | .45                                 | 7.8                        | 4                               | .08                                 | 1.5                        | 2                               | .00                                 |
| 25                                              | 6.3                        | 34                              | .58                                 | 7.4                        | 6                               | .12                                 | 1.2                        | 2                               | .00                                 |
| 26                                              | 6.6                        | 37                              | .66                                 | 7.4                        | 12                              | .24                                 | 1.6                        | 2                               | .00                                 |
| 27                                              | 8.1                        | 39                              | .85                                 | 10                         | 37                              | 1.0                                 | 2.0                        | 2                               | .01                                 |
| 28                                              | 16                         | 42                              | 1.8                                 | 12                         | 34                              | 1.1                                 | 1.7                        | 3                               | .01                                 |
| 29                                              | 24                         | 50                              | 3.2                                 | 12                         | 12                              | .39                                 | 1.9                        | 2                               | .01                                 |
| 30                                              | 15                         | 44                              | 1.8                                 | 11                         | 3                               | .09                                 | 1.9                        | 2                               | .01                                 |
| 31                                              | 8.5                        | 49                              | 1.1                                 | ---                        | ---                             | ---                                 | 2.4                        | 1                               | .00                                 |
| TOTAL                                           | 120.41                     | ---                             | 13.22                               | 217.0                      | ---                             | 14.69                               | 156.8                      | ---                             | 1.65                                |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                  | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CUNCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CUNCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CUNCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|------------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05505000 South Fork Salt River at Santa Fe, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JANUARY 1981                                         |                            |                                      |                                     | FEBRUARY 1981              |                                      |                                     |                            | MARCH 1981                           |                                     |
| 1                                                    | 2.0                        | 1                                    | .00                                 | 2.4                        | 1                                    | .00                                 | 3.6                        | 5                                    | .05                                 |
| 2                                                    | 2.0                        | 1                                    | .00                                 | 2.4                        | 2                                    | .01                                 | 2.9                        | 5                                    | .04                                 |
| 3                                                    | 2.0                        | 1                                    | .00                                 | 2.4                        | 2                                    | .01                                 | 2.5                        | 5                                    | .03                                 |
| 4                                                    | 2.0                        | 4                                    | .02                                 | 3.9                        | 1                                    | .01                                 | 2.5                        | 7                                    | .05                                 |
| 5                                                    | 2.0                        | 4                                    | .02                                 | 3.3                        | 1                                    | .00                                 | 3.3                        | 8                                    | .07                                 |
| 6                                                    | 2.0                        | 2                                    | .01                                 | 2.9                        | 1                                    | .00                                 | 3.9                        | 11                                   | .12                                 |
| 7                                                    | 2.0                        | 1                                    | .00                                 | 2.7                        | 1                                    | .00                                 | 3.9                        | 9                                    | .09                                 |
| 8                                                    | 1.9                        | 1                                    | .00                                 | 1.9                        | 2                                    | .01                                 | 5.3                        | 7                                    | .10                                 |
| 9                                                    | 1.7                        | 1                                    | .00                                 | 2.0                        | 2                                    | .01                                 | 5.3                        | 8                                    | .11                                 |
| 10                                                   | 1.7                        | 1                                    | .00                                 | 2.0                        | 7                                    | .04                                 | 3.9                        | 8                                    | .08                                 |
| 11                                                   | 1.7                        | 1                                    | .00                                 | 2.0                        | 3                                    | .02                                 | 3.9                        | 7                                    | .07                                 |
| 12                                                   | 1.7                        | 1                                    | .00                                 | 2.0                        | 2                                    | .01                                 | 3.6                        | 8                                    | .08                                 |
| 13                                                   | 1.7                        | 1                                    | .00                                 | 3.1                        | 2                                    | .02                                 | 2.9                        | 7                                    | .05                                 |
| 14                                                   | 1.6                        | 2                                    | .00                                 | 3.1                        | 4                                    | .03                                 | 2.9                        | 8                                    | .06                                 |
| 15                                                   | 1.2                        | 1                                    | .00                                 | 3.1                        | 2                                    | .02                                 | 2.7                        | 8                                    | .06                                 |
| 16                                                   | 1.2                        | 1                                    | .00                                 | 4.4                        | 3                                    | .04                                 | 2.4                        | 8                                    | .05                                 |
| 17                                                   | 1.2                        | 1                                    | .00                                 | 7.4                        | 2                                    | .04                                 | 2.4                        | 8                                    | .05                                 |
| 18                                                   | 1.5                        | 2                                    | .00                                 | 8.1                        | 1                                    | .02                                 | 2.3                        | 11                                   | .07                                 |
| 19                                                   | 1.2                        | 5                                    | .02                                 | 8.5                        | 1                                    | .02                                 | 2.0                        | 6                                    | .03                                 |
| 20                                                   | 1.1                        | 3                                    | .00                                 | 6.9                        | 2                                    | .04                                 | 2.1                        | 5                                    | .03                                 |
| 21                                                   | 1.2                        | 2                                    | .00                                 | 7.4                        | 3                                    | .06                                 | 2.4                        | 5                                    | .03                                 |
| 22                                                   | 1.5                        | 2                                    | .00                                 | 8.5                        | 3                                    | .07                                 | 2.8                        | 5                                    | .04                                 |
| 23                                                   | 1.6                        | 2                                    | .00                                 | 8.0                        | 1                                    | .02                                 | 3.0                        | 6                                    | .05                                 |
| 24                                                   | 2.0                        | 2                                    | .01                                 | 7.3                        | 1                                    | .02                                 | 2.9                        | 6                                    | .05                                 |
| 25                                                   | 2.4                        | 1                                    | .00                                 | 8.0                        | 1                                    | .02                                 | 2.9                        | 6                                    | .05                                 |
| 26                                                   | 2.5                        | 1                                    | .00                                 | 7.6                        | 2                                    | .04                                 | 4.2                        | 4                                    | .05                                 |
| 27                                                   | 2.5                        | 1                                    | .00                                 | 6.0                        | 2                                    | .03                                 | 4.1                        | 5                                    | .06                                 |
| 28                                                   | 2.5                        | 1                                    | .00                                 | 4.4                        | 3                                    | .04                                 | 3.0                        | 5                                    | .04                                 |
| 29                                                   | 2.4                        | 1                                    | .00                                 | ---                        | ---                                  | ---                                 | 2.7                        | 3                                    | .02                                 |
| 30                                                   | 2.2                        | 1                                    | .00                                 | ---                        | ---                                  | ---                                 | 2.9                        | 3                                    | .02                                 |
| 31                                                   | 2.2                        | 1                                    | .00                                 | ---                        | ---                                  | ---                                 | 2.5                        | 3                                    | .02                                 |
| TOTAL                                                | 56.4                       | ---                                  | 0.08                                | 131.7                      | ---                                  | 0.65                                | 47.7                       | ---                                  | 1.72                                |
| APRIL 1981                                           |                            |                                      |                                     | MAY 1981                   |                                      |                                     |                            | JUNE 1981                            |                                     |
| 1                                                    | 2.1                        | 3                                    | .02                                 | 6.0                        | 101                                  | 1.6                                 | 13                         | 64                                   | 2.2                                 |
| 2                                                    | 5.1                        | 2                                    | .03                                 | 5.0                        | 105                                  | 1.4                                 | 13                         | 63                                   | 2.2                                 |
| 3                                                    | 5.0                        | 3                                    | .04                                 | 4.1                        | 123                                  | 1.4                                 | 13                         | 71                                   | 2.5                                 |
| 4                                                    | 5.0                        | 4                                    | .05                                 | 3.9                        | 94                                   | .99                                 | 18                         | 70                                   | 3.4                                 |
| 5                                                    | 4.2                        | 2                                    | .02                                 | 3.9                        | 94                                   | .99                                 | 37                         | 70                                   | 7.0                                 |
| 6                                                    | 7.2                        | 2                                    | .04                                 | 3.6                        | 68                                   | .86                                 | 43                         | 76                                   | 8.8                                 |
| 7                                                    | 8.4                        | 1                                    | .02                                 | 3.1                        | 106                                  | .89                                 | 56                         | 72                                   | 11                                  |
| 8                                                    | 6.3                        | 3                                    | .05                                 | 4.7                        | 40                                   | 1.1                                 | 29                         | 66                                   | 5.2                                 |
| 9                                                    | 6.0                        | 5                                    | .08                                 | 4.1                        | 75                                   | .83                                 | 18                         | 66                                   | 3.2                                 |
| 10                                                   | 4.7                        | 6                                    | .08                                 | 25                         | 92                                   | 6.2                                 | 14                         | 75                                   | 2.8                                 |
| 11                                                   | 4.6                        | 8                                    | .10                                 | 122                        | 126                                  | 42                                  | 13                         | 82                                   | 2.9                                 |
| 12                                                   | 6.0                        | 9                                    | .15                                 | 95                         | 117                                  | 30                                  | 57                         | 169                                  | 26                                  |
| 13                                                   | 6.7                        | 11                                   | .20                                 | 51                         | 75                                   | 10                                  | 124                        | 220                                  | 74                                  |
| 14                                                   | 11                         | 15                                   | .45                                 | 40                         | 91                                   | 9.3                                 | 47                         | 380                                  | 48                                  |
| 15                                                   | 11                         | 15                                   | .45                                 | 58                         | 127                                  | 20                                  | 38                         | 1090                                 | 112                                 |
| 16                                                   | 9.4                        | 14                                   | .36                                 | 74                         | 112                                  | 22                                  | 242                        | 1140                                 | 899                                 |
| 17                                                   | 8.6                        | 17                                   | .39                                 | 52                         | 85                                   | 12                                  | 210                        | 950                                  | 539                                 |
| 18                                                   | 7.9                        | 22                                   | .47                                 | 5250                       | 1500                                 | 13200                               | 79                         | 700                                  | 149                                 |
| 19                                                   | 9.1                        | 18                                   | .44                                 | 4310                       | 750                                  | 8730                                | 44                         | 610                                  | 72                                  |
| 20                                                   | 230                        | 312                                  | 194                                 | 2570                       | 690                                  | 4790                                | 1280                       | 3020                                 | 10400                               |
| 21                                                   | 156                        | 259                                  | 109                                 | 270                        | 225                                  | 164                                 | 6480                       | 2670                                 | 46700                               |
| 22                                                   | 58                         | 123                                  | 19                                  | 143                        | 155                                  | 60                                  | 11100                      | 1020                                 | 30600                               |
| 23                                                   | 139                        | 117                                  | 44                                  | 102                        | 249                                  | 69                                  | 5470                       | 620                                  | 4160                                |
| 24                                                   | 179                        | 135                                  | 65                                  | 70                         | 145                                  | 27                                  | 452                        | 400                                  | 488                                 |
| 25                                                   | 63                         | 120                                  | 20                                  | 58                         | 115                                  | 18                                  | 246                        | 214                                  | 142                                 |
| 26                                                   | 33                         | 124                                  | 11                                  | 44                         | 98                                   | 12                                  | 467                        | 255                                  | 322                                 |
| 27                                                   | 20                         | 135                                  | 7.3                                 | 37                         | 98                                   | 9.8                                 | 222                        | 325                                  | 195                                 |
| 28                                                   | 13                         | 127                                  | 4.5                                 | 23                         | 90                                   | 5.6                                 | 108                        | 360                                  | 105                                 |
| 29                                                   | 10                         | 113                                  | 3.1                                 | 17                         | 85                                   | 3.9                                 | 72                         | 300                                  | 58                                  |
| 30                                                   | 7.8                        | 107                                  | 2.3                                 | 13                         | 77                                   | 2.7                                 | 369                        | 432                                  | 430                                 |
| 31                                                   | ---                        | ---                                  | ---                                 | 11                         | 70                                   | 2.1                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                                | 1037.1                     | ---                                  | 482.64                              | 11473.4                    | ---                                  | 27256.16                            | 27424                      | ---                                  | 100570.2                            |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                  | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|------------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05505000 South Fork Salt River at Santa Fe, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JULY 1981                                            |                            |                                      | AUGUST 1981                         |                            |                                      | SEPTEMBER 1981                      |                            |                                      |                                     |
| 1                                                    | 433                        | 640                                  | 748                                 | 104                        | 60                                   | 30                                  | 13                         | 56                                   | 2.0                                 |
| 2                                                    | 191                        | 358                                  | 185                                 | 124                        | 55                                   | 10                                  | 16                         | 48                                   | 2.1                                 |
| 3                                                    | 111                        | 312                                  | 94                                  | 90                         | 40                                   | 9.7                                 | 11                         | 44                                   | 1.3                                 |
| 4                                                    | 521                        | 395                                  | 556                                 | 72                         | 40                                   | 7.6                                 | 6.8                        | 52                                   | .95                                 |
| 5                                                    | 966                        | 1110                                 | 2960                                | 59                         | 33                                   | 5.3                                 | 4.4                        | 42                                   | .50                                 |
| 6                                                    | 420                        | 900                                  | 1020                                | 52                         | 26                                   | 5.7                                 | 4.2                        | 38                                   | .43                                 |
| 7                                                    | 175                        | 500                                  | 236                                 | 64                         | 22                                   | 5.8                                 | 4.4                        | 26                                   | .51                                 |
| 8                                                    | 89                         | 320                                  | 77                                  | 46                         | 21                                   | 2.6                                 | 4.1                        | 26                                   | .29                                 |
| 9                                                    | 59                         | 230                                  | 37                                  | 33                         | 19                                   | 1.7                                 | 8.2                        | 28                                   | .62                                 |
| 10                                                   | 74                         | 202                                  | 40                                  | 28                         | 23                                   | 1.7                                 | 11                         | 50                                   | .89                                 |
| 11                                                   | 36                         | 190                                  | 18                                  | 45                         | 23                                   | 2.8                                 | 7.4                        | 26                                   | .52                                 |
| 12                                                   | 23                         | 200                                  | 12                                  | 66                         | 26                                   | 4.6                                 | 4.9                        | 18                                   | .24                                 |
| 13                                                   | 17                         | 180                                  | 8.3                                 | 45                         | 25                                   | 3.0                                 | 3.2                        | 20                                   | .17                                 |
| 14                                                   | 14                         | 162                                  | 6.1                                 | 32                         | 25                                   | 2.2                                 | 2.5                        | 20                                   | .14                                 |
| 15                                                   | 12                         | 126                                  | 4.1                                 | 22                         | 19                                   | 1.1                                 | 2.1                        | 25                                   | .14                                 |
| 16                                                   | 12                         | 140                                  | 4.5                                 | 17                         | 20                                   | .92                                 | 61                         | 50                                   | 8.2                                 |
| 17                                                   | 84                         | 320                                  | 73                                  | 14                         | 18                                   | .68                                 | 47                         | 20                                   | 2.5                                 |
| 18                                                   | 60                         | 180                                  | 29                                  | 12                         | 19                                   | .62                                 | 20                         | 20                                   | 1.1                                 |
| 19                                                   | 690                        | 1010                                 | 1880                                | 11                         | 21                                   | .62                                 | 12                         | 14                                   | .45                                 |
| 20                                                   | 1980                       | 1460                                 | 7810                                | 9.4                        | 23                                   | .58                                 | 8.6                        | 16                                   | .37                                 |
| 21                                                   | 633                        | 500                                  | 855                                 | 8.1                        | 21                                   | .46                                 | 7.4                        | 18                                   | .36                                 |
| 22                                                   | 287                        | 320                                  | 248                                 | 8.1                        | 22                                   | .48                                 | 5.7                        | 24                                   | .37                                 |
| 23                                                   | 6560                       | 2400                                 | 42500                               | 7.4                        | 19                                   | .38                                 | 4.8                        | 28                                   | .36                                 |
| 24                                                   | 8130                       | 890                                  | 19500                               | 8.6                        | 17                                   | .39                                 | 4.0                        | 24                                   | .26                                 |
| 25                                                   | 8630                       | 628                                  | 14600                               | 6.8                        | 22                                   | 4.0                                 | 3.6                        | 22                                   | .21                                 |
| 26                                                   | 6170                       | 1560                                 | 26000                               | 391                        | 130                                  | 137                                 | 3.1                        | 20                                   | .17                                 |
| 27                                                   | 4630                       | 1060                                 | 13300                               | 120                        | 172                                  | 56                                  | 2.5                        | 18                                   | .12                                 |
| 28                                                   | 6870                       | 720                                  | 13400                               | 46                         | 76                                   | 9.4                                 | 2.5                        | 22                                   | .15                                 |
| 29                                                   | 2280                       | 380                                  | 2340                                | 27                         | 68                                   | 5.0                                 | 2.6                        | 18                                   | .13                                 |
| 30                                                   | 471                        | 170                                  | 216                                 | 17                         | 86                                   | 3.9                                 | 2.3                        | 18                                   | .11                                 |
| 31                                                   | 282                        | 80                                   | 61                                  | 12                         | 82                                   | 2.7                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                                | 50930                      | ---                                  | 148818.0                            | 1738.6                     | ---                                  | 321.13                              | 290.3                      | ---                                  | 25.46                               |
| YEAR                                                 | 93673.41                   | ---                                  | 277505.60                           | ---                        | ---                                  | ---                                 | ---                        | ---                                  | ---                                 |
| OCTOBER 1981                                         |                            |                                      | NOVEMBER 1981                       |                            |                                      | DECEMBER 1981                       |                            |                                      |                                     |
| 1                                                    | 2.0                        | 16                                   | .09                                 | 8.6                        | 22                                   | 51                                  | 67                         | 36                                   | 6.5                                 |
| 2                                                    | 1.4                        | 13                                   | .05                                 | 200                        | 54                                   | 29                                  | 102                        | 63                                   | 31                                  |
| 3                                                    | 1.4                        | 14                                   | .05                                 | 678                        | 374                                  | 685                                 | 66                         | 68                                   | 16                                  |
| 4                                                    | 1.5                        | 31                                   | .13                                 | 1880                       | 732                                  | 3720                                | 48                         | 50                                   | 6.5                                 |
| 5                                                    | 2.3                        | 14                                   | .09                                 | 899                        | 173                                  | 420                                 | 32                         | 40                                   | 3.5                                 |
| 6                                                    | 2.6                        | 70                                   | .49                                 | 294                        | 68                                   | 54                                  | 22                         | 51                                   | 3.0                                 |
| 7                                                    | 2.4                        | 52                                   | .34                                 | 159                        | 44                                   | 14                                  | 15                         | 59                                   | 2.4                                 |
| 8                                                    | 2.8                        | 35                                   | .26                                 | 63                         | 37                                   | 6.3                                 | 15                         | 52                                   | 2.1                                 |
| 9                                                    | 9.1                        | 30                                   | .74                                 | 52                         | 42                                   | 5.9                                 | 12                         | 54                                   | 1.7                                 |
| 10                                                   | 6.9                        | 35                                   | .65                                 | 41                         | 32                                   | 3.5                                 | 26                         | 54                                   | 3.8                                 |
| 11                                                   | 5.2                        | 25                                   | .35                                 | 34                         | 31                                   | 2.8                                 | 9.4                        | 63                                   | 1.0                                 |
| 12                                                   | 4.3                        | 43                                   | .50                                 | 28                         | 26                                   | 2.0                                 | 8.6                        | 50                                   | 1.2                                 |
| 13                                                   | 4.0                        | 26                                   | .28                                 | 19                         | 24                                   | 1.2                                 | 8.2                        | 47                                   | 1.0                                 |
| 14                                                   | 6.9                        | 19                                   | .35                                 | 17                         | 26                                   | 1.2                                 | 7.4                        | 46                                   | .92                                 |
| 15                                                   | 27                         | 19                                   | 1.4                                 | 11                         | 35                                   | 1.6                                 | 6.0                        | 39                                   | .63                                 |
| 16                                                   | 21                         | 32                                   | 1.8                                 | 25                         | 40                                   | 2.7                                 | 6.6                        | 26                                   | .46                                 |
| 17                                                   | 11                         | 22                                   | .65                                 | 73                         | 40                                   | 7.9                                 | 9.0                        | 24                                   | .58                                 |
| 18                                                   | 7.6                        | 24                                   | .49                                 | 44                         | 31                                   | 3.7                                 | 8.6                        | 31                                   | .72                                 |
| 19                                                   | 95                         | 31                                   | 8.0                                 | 31                         | 34                                   | 2.8                                 | 7.8                        | 50                                   | 1.1                                 |
| 20                                                   | 50                         | 31                                   | 4.2                                 | 24                         | 39                                   | 2.5                                 | 6.6                        | 40                                   | .71                                 |
| 21                                                   | 26                         | 42                                   | 2.9                                 | 30                         | 50                                   | 2.4                                 | 5.6                        | 26                                   | .39                                 |
| 22                                                   | 16                         | 30                                   | 1.3                                 | 27                         | 28                                   | 1.7                                 | 6.3                        | 21                                   | .36                                 |
| 23                                                   | 11                         | 32                                   | .95                                 | 21                         | 20                                   | 1.1                                 | 8.2                        | 14                                   | .31                                 |
| 24                                                   | 8.3                        | 29                                   | .65                                 | 17                         | 36                                   | 1.7                                 | 9.4                        | 10                                   | .25                                 |
| 25                                                   | 8.1                        | 30                                   | .66                                 | 16                         | 37                                   | 1.6                                 | 9.9                        | 8                                    | .21                                 |
| 26                                                   | 6.4                        | 28                                   | .48                                 | 13                         | 37                                   | 1.3                                 | 9.9                        | 6                                    | .16                                 |
| 27                                                   | 5.8                        | 24                                   | .38                                 | 11                         | 39                                   | 1.2                                 | 10                         | 10                                   | .27                                 |
| 28                                                   | 4.5                        | 33                                   | .40                                 | 11                         | 42                                   | 1.2                                 | 12                         | 9                                    | .29                                 |
| 29                                                   | 3.6                        | 23                                   | .22                                 | 9.9                        | 40                                   | 1.1                                 | 12                         | 21                                   | .68                                 |
| 30                                                   | 4.1                        | 26                                   | .29                                 | 11                         | 34                                   | 1.0                                 | 11                         | 11                                   | .33                                 |
| 31                                                   | 4.9                        | 26                                   | .34                                 | ---                        | ---                                  | ---                                 | 10                         | 10                                   | .27                                 |
| TOTAL                                                | 363.1                      | ---                                  | 29.48                               | 4767.5                     | ---                                  | 4987.41                             | 667.5                      | ---                                  | 88.94                               |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                  | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|------------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05505000 South Fork Salt River at Santa Fe, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JANUARY 1982                                         |                            |                                 | FEBRUARY 1982                       |                            |                                 | MARCH 1982                          |                            |                                 |                                     |
| 1                                                    | 10                         | 11                              | .30                                 | 696                        | 194                             | 365                                 | 78                         | 36                              | 7.6                                 |
| 2                                                    | 10                         | 12                              | .32                                 | 243                        | 178                             | 141                                 | 74                         | 32                              | 6.4                                 |
| 3                                                    | 9.4                        | 12                              | .30                                 | 229                        | 67                              | 54                                  | 77                         | 42                              | 8.7                                 |
| 4                                                    | 309                        | 14                              | 12                                  | 156                        | 74                              | 31                                  | 120                        | 48                              | 16                                  |
| 5                                                    | 423                        | 1440                            | 1640                                | 112                        | 64                              | 19                                  | 200                        | 72                              | 39                                  |
| 6                                                    | 220                        | 95                              | 56                                  | 92                         | 52                              | 13                                  | 149                        | 58                              | 23                                  |
| 7                                                    | 132                        | 39                              | 14                                  | 67                         | 50                              | 9.0                                 | 97                         | 44                              | 12                                  |
| 8                                                    | 83                         | 36                              | 8.1                                 | 51                         | 62                              | 8.5                                 | 74                         | 36                              | 7.2                                 |
| 9                                                    | 59                         | 44                              | 7.0                                 | 42                         | 48                              | 5.4                                 | 62                         | 28                              | 4.7                                 |
| 10                                                   | 43                         | 25                              | 2.9                                 | 39                         | 40                              | 4.2                                 | 52                         | 35                              | 4.9                                 |
| 11                                                   | 32                         | 18                              | 1.6                                 | 33                         | 46                              | 4.1                                 | 53                         | 48                              | 6.9                                 |
| 12                                                   | 18                         | 15                              | .73                                 | 31                         | 43                              | 3.6                                 | 75                         | 62                              | 13                                  |
| 13                                                   | 17                         | 20                              | .92                                 | 29                         | 26                              | 2.0                                 | 346                        | 169                             | 158                                 |
| 14                                                   | 19                         | 20                              | 1.0                                 | 30                         | 34                              | 2.8                                 | 366                        | 312                             | 308                                 |
| 15                                                   | 19                         | 44                              | 2.3                                 | 167                        | 56                              | 25                                  | 1880                       | 790                             | 3920                                |
| 16                                                   | 17                         | 46                              | 2.1                                 | 2810                       | 345                             | 2240                                | 3160                       | 3120                            | 24200                               |
| 17                                                   | 25                         | 22                              | 1.5                                 | 2500                       | 266                             | 1840                                | 1310                       | 1450                            | 5150                                |
| 18                                                   | 25                         | 22                              | 1.5                                 | 1800                       | 218                             | 1060                                | 390                        | 500                             | 526                                 |
| 19                                                   | 21                         | 34                              | 1.9                                 | 2440                       | 316                             | 2060                                | 366                        | 270                             | 267                                 |
| 20                                                   | 21                         | 37                              | 2.1                                 | 1640                       | 360                             | 1590                                | 320                        | 280                             | 242                                 |
| 21                                                   | 21                         | 11                              | .62                                 | 832                        | 274                             | 616                                 | 200                        | 300                             | 162                                 |
| 22                                                   | 25                         | 10                              | .68                                 | 500                        | 158                             | 213                                 | 132                        | 260                             | 93                                  |
| 23                                                   | 226                        | 14                              | 6.5                                 | 363                        | 104                             | 102                                 | 97                         | 150                             | 34                                  |
| 24                                                   | 1090                       | 60                              | 177                                 | 302                        | 68                              | 55                                  | 83                         | 100                             | 22                                  |
| 25                                                   | 782                        | 148                             | 312                                 | 246                        | 54                              | 36                                  | 118                        | 90                              | 29                                  |
| 26                                                   | 492                        | 136                             | 181                                 | 188                        | 43                              | 22                                  | 202                        | 120                             | 65                                  |
| 27                                                   | 183                        | 49                              | 24                                  | 120                        | 42                              | 14                                  | 141                        | 150                             | 57                                  |
| 28                                                   | 444                        | 40                              | 48                                  | 91                         | 55                              | 14                                  | 89                         | 90                              | 22                                  |
| 29                                                   | 2260                       | 80                              | 488                                 | ---                        | ---                             | ---                                 | 69                         | 50                              | 9.3                                 |
| 30                                                   | 6580                       | 636                             | 11300                               | ---                        | ---                             | ---                                 | 62                         | 60                              | 10                                  |
| 31                                                   | 3580                       | 492                             | 4760                                | ---                        | ---                             | ---                                 | 59                         | 70                              | 11                                  |
| TOTAL                                                | 17195.4                    | ---                             | 19056.37                            | 15559                      | ---                             | 10569.6                             | 10501                      | ---                             | 35414.7                             |
| APRIL 1982                                           |                            |                                 | MAY 1982                            |                            |                                 | JUNE 1982                           |                            |                                 |                                     |
| 1                                                    | 52                         | 50                              | 7.0                                 | 18                         | 20                              | .97                                 | 701                        | 650                             | 1340                                |
| 2                                                    | 63                         | 110                             | 19                                  | 17                         | 25                              | 1.1                                 | 307                        | 490                             | 406                                 |
| 3                                                    | 634                        | 930                             | 1590                                | 16                         | 20                              | .86                                 | 122                        | 260                             | 86                                  |
| 4                                                    | 305                        | 750                             | 618                                 | 14                         | 25                              | .95                                 | 86                         | 220                             | 51                                  |
| 5                                                    | 126                        | 370                             | 126                                 | 14                         | 30                              | 1.1                                 | 615                        | 450                             | 747                                 |
| 6                                                    | 98                         | 320                             | 85                                  | 26                         | 60                              | 4.2                                 | 232                        | 380                             | 238                                 |
| 7                                                    | 81                         | 210                             | 46                                  | 14                         | 65                              | 2.5                                 | 352                        | 1140                            | 1260                                |
| 8                                                    | 70                         | 130                             | 25                                  | 16                         | 75                              | 3.2                                 | 2760                       | 2150                            | 17800                               |
| 9                                                    | 70                         | 100                             | 19                                  | 14                         | 50                              | 1.9                                 | 7050                       | 1630                            | 31000                               |
| 10                                                   | 73                         | 80                              | 16                                  | 13                         | 60                              | 2.1                                 | 6620                       | 850                             | 15200                               |
| 11                                                   | 72                         | 60                              | 12                                  | 12                         | 60                              | 1.9                                 | 1970                       | 490                             | 2610                                |
| 12                                                   | 61                         | 50                              | 8.2                                 | 11                         | 70                              | 2.1                                 | 375                        | 270                             | 273                                 |
| 13                                                   | 52                         | 40                              | 5.6                                 | 11                         | 80                              | 2.4                                 | 268                        | 200                             | 156                                 |
| 14                                                   | 44                         | 60                              | 7.1                                 | 11                         | 75                              | 2.2                                 | 159                        | 145                             | 62                                  |
| 15                                                   | 38                         | 70                              | 7.2                                 | 11                         | 75                              | 2.2                                 | 108                        | 220                             | 64                                  |
| 16                                                   | 37                         | 35                              | 3.5                                 | 10                         | 70                              | 1.4                                 | 1030                       | 390                             | 1080                                |
| 17                                                   | 37                         | 40                              | 4.0                                 | 12                         | 60                              | 1.9                                 | 313                        | 610                             | 516                                 |
| 18                                                   | 36                         | 30                              | 2.9                                 | 14                         | 75                              | 2.6                                 | 125                        | 230                             | 78                                  |
| 19                                                   | 34                         | 28                              | 2.6                                 | 31                         | 60                              | 5.0                                 | 101                        | 160                             | 44                                  |
| 20                                                   | 35                         | 25                              | 2.4                                 | 57                         | 70                              | 11                                  | 77                         | 150                             | 31                                  |
| 21                                                   | 32                         | 15                              | 1.3                                 | 337                        | 475                             | 1060                                | 60                         | 120                             | 19                                  |
| 22                                                   | 28                         | 20                              | 1.5                                 | 775                        | 2300                            | 5360                                | 49                         | 120                             | 16                                  |
| 23                                                   | 24                         | 20                              | 1.3                                 | 133                        | 1100                            | 395                                 | 40                         | 110                             | 12                                  |
| 24                                                   | 21                         | 20                              | 1.1                                 | 69                         | 710                             | 132                                 | 34                         | 100                             | 9.2                                 |
| 25                                                   | 19                         | 20                              | 1.0                                 | 50                         | 560                             | 76                                  | 29                         | 80                              | 6.3                                 |
| 26                                                   | 20                         | 15                              | .81                                 | 66                         | 450                             | 80                                  | 26                         | 75                              | 5.3                                 |
| 27                                                   | 20                         | 15                              | .81                                 | 105                        | 400                             | 113                                 | 140                        | 220                             | 83                                  |
| 28                                                   | 22                         | 20                              | 1.2                                 | 83                         | 320                             | 72                                  | 195                        | 1060                            | 558                                 |
| 29                                                   | 21                         | 20                              | 1.1                                 | 61                         | 240                             | 40                                  | 116                        | ---                             | ---                                 |
| 30                                                   | 20                         | 20                              | 1.1                                 | 56                         | 330                             | 50                                  | 45                         | ---                             | ---                                 |
| 31                                                   | ---                        | ---                             | ---                                 | 249                        | 467                             | 309                                 | ---                        | ---                             | ---                                 |
| TOTAL                                                | 2245                       | ---                             | 2617.72                             | 2326                       | ---                             | 7739.28                             | 24165                      | ---                             | 73750.8                             |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                         | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05506000 Youngs Creek near Mexico, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| OCTOBER 1980                                |                            |                                      |                                     |                            | NOVEMBER 1980                        |                                     | DECEMBER 1980              |                                      |                                     |
| 1                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .24                        | 133                                  | .09                                 |
| 2                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .23                        | 58                                   | .04                                 |
| 3                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .24                        | 26                                   | .02                                 |
| 4                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .25                        | 17                                   | .01                                 |
| 5                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .27                        | 25                                   | .02                                 |
| 6                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .27                        | 11                                   | .00                                 |
| 7                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .30                        | 30                                   | .01                                 |
| 8                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | 1.4                        | 16                                   | .04                                 |
| 9                                           | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | 1.8                        | 6                                    | .02                                 |
| 10                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | 3.1                        | 12                                   | .08                                 |
| 11                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | 1.8                        | 17                                   | .07                                 |
| 12                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | 1.3                        | 22                                   | .06                                 |
| 13                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | 1.1                        | 21                                   | .05                                 |
| 14                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .85                        | 24                                   | .04                                 |
| 15                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .70                        | 23                                   | .03                                 |
| 16                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .58                        | 13                                   | .01                                 |
| 17                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .51                        | 12                                   | .00                                 |
| 18                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .37                        | 9                                    | .00                                 |
| 19                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .27                        | 15                                   | .00                                 |
| 20                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .21                        | 22                                   | .01                                 |
| 21                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .17                        | 35                                   | .02                                 |
| 22                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .15                        | 25                                   | .01                                 |
| 23                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .15                        | 24                                   | .00                                 |
| 24                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .09                        | 13                                   | .00                                 |
| 25                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .06                        | 10                                   | .00                                 |
| 26                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .06                        | 10                                   | .00                                 |
| 27                                          | .00                        |                                      |                                     | .00                        | ---                                  | ---                                 | .09                        | 11                                   | .00                                 |
| 28                                          | .00                        |                                      |                                     | .06                        | 1900                                 | .31                                 | .12                        | 12                                   | .00                                 |
| 29                                          | .00                        |                                      |                                     | .24                        | 1240                                 | .64                                 | .18                        | 10                                   | .00                                 |
| 30                                          | .00                        |                                      |                                     | .27                        | 495                                  | .36                                 | .30                        | 8                                    | .00                                 |
| 31                                          | .00                        |                                      |                                     | ---                        | ---                                  | ---                                 | .37                        | 10                                   | .00                                 |
| TOTAL                                       | 0.00                       |                                      |                                     | 0.57                       | ---                                  | 1.51                                | 17.53                      | ---                                  | 0.63                                |
| JANUARY 1981                                |                            |                                      |                                     |                            | FEBRUARY 1981                        |                                     | MARCH 1981                 |                                      |                                     |
| 1                                           | .27                        | 11                                   | .00                                 | .37                        | 30                                   | .06                                 | .79                        | 4                                    | .00                                 |
| 2                                           | .27                        | 9                                    | .00                                 | .58                        | 16                                   | .03                                 | .65                        | 12                                   | .02                                 |
| 3                                           | .24                        | 8                                    | .00                                 | .51                        | 9                                    | .02                                 | .51                        | 18                                   | .02                                 |
| 4                                           | .24                        | 16                                   | .01                                 | .51                        | 9                                    | .02                                 | .58                        | 7                                    | .01                                 |
| 5                                           | .18                        | 9                                    | .00                                 | .24                        | 9                                    | .02                                 | .79                        | 9                                    | .02                                 |
| 6                                           | .18                        | 11                                   | .00                                 | .24                        | 10                                   | .02                                 | .72                        | 3                                    | .00                                 |
| 7                                           | .21                        | 30                                   | .02                                 | .21                        | 12                                   | .02                                 | 1.0                        | 8                                    | .02                                 |
| 8                                           | .09                        | 33                                   | .02                                 | .37                        | 12                                   | .02                                 | 1.0                        | 6                                    | .02                                 |
| 9                                           | .06                        | 19                                   | .01                                 | .27                        | 18                                   | .03                                 | .43                        | 4                                    | .01                                 |
| 10                                          | .06                        | 6                                    | .00                                 | .37                        | 19                                   | .04                                 | .72                        | 3                                    | .00                                 |
| 11                                          | .06                        | 6                                    | .00                                 | .30                        | 17                                   | .03                                 | .51                        | 5                                    | .00                                 |
| 12                                          | .05                        | 10                                   | .00                                 | .27                        | 15                                   | .03                                 | .37                        | 7                                    | .00                                 |
| 13                                          | .05                        | 9                                    | .00                                 | .15                        | 12                                   | .02                                 | .27                        | 8                                    | .00                                 |
| 14                                          | .05                        | 9                                    | .00                                 | .21                        | 10                                   | .02                                 | .30                        | 6                                    | .00                                 |
| 15                                          | .05                        | 12                                   | .00                                 | .51                        | 9                                    | .02                                 | .21                        | 5                                    | .00                                 |
| 16                                          | .15                        | 15                                   | .01                                 | 1.1                        | 6                                    | .02                                 | .15                        | 2                                    | .00                                 |
| 17                                          | .12                        | 17                                   | .01                                 | 1.5                        | 6                                    | .02                                 | .06                        | 1                                    | .00                                 |
| 18                                          | .09                        | 17                                   | .01                                 | 1.6                        | 4                                    | .02                                 | .12                        | 1                                    | .00                                 |
| 19                                          | .09                        | 19                                   | .01                                 | 1.6                        | 7                                    | .03                                 | .12                        | 2                                    | .00                                 |
| 20                                          | .15                        | 21                                   | .02                                 | 1.4                        | 6                                    | .02                                 | .12                        | 1                                    | .00                                 |
| 21                                          | .18                        | 22                                   | .02                                 | 1.6                        | 4                                    | .02                                 | .12                        | 3                                    | .00                                 |
| 22                                          | .27                        | 22                                   | .03                                 | 2.0                        | 2                                    | .01                                 | .24                        | 3                                    | .00                                 |
| 23                                          | .24                        | 28                                   | .05                                 | 2.2                        | 2                                    | .01                                 | .24                        | 1                                    | .00                                 |
| 24                                          | .27                        | 26                                   | .05                                 | 2.2                        | 2                                    | .01                                 | .21                        | 3                                    | .00                                 |
| 25                                          | .27                        | 39                                   | .08                                 | 2.8                        | 5                                    | .04                                 | .24                        | 6                                    | .00                                 |
| 26                                          | .27                        | 27                                   | .05                                 | 2.1                        | 4                                    | .02                                 | .27                        | 8                                    | .00                                 |
| 27                                          | .24                        | 29                                   | .06                                 | 1.6                        | 10                                   | .04                                 | .44                        | 8                                    | .00                                 |
| 28                                          | .27                        | 33                                   | .06                                 | 1.1                        | 15                                   | .04                                 | .37                        | 6                                    | .00                                 |
| 29                                          | .24                        | 41                                   | .07                                 | ---                        | ---                                  | ---                                 | .37                        | 4                                    | .00                                 |
| 30                                          | .24                        | 28                                   | .05                                 | ---                        | ---                                  | ---                                 | .37                        | 3                                    | .00                                 |
| 31                                          | .18                        | 28                                   | .05                                 | ---                        | ---                                  | ---                                 | .37                        | 3                                    | .00                                 |
| TOTAL                                       | 5.33                       | ---                                  | 0.69                                | 28.31                      | ---                                  | 0.70                                | 13.16                      | ---                                  | 0.12                                |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                         | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05506000 Youngs Creek near Mexico, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| APRIL 1981                                  |                            |                                      | MAY 1981                            |                            |                                      | JUNE 1981                           |                            |                                      |                                     |
| 1                                           | .30                        | 3                                    | .00                                 | .51                        | 13                                   | .02                                 | 1.7                        | 50                                   | .23                                 |
| 2                                           | .24                        | 4                                    | .00                                 | .37                        | 51                                   | .05                                 | 18                         | 348                                  | 17                                  |
| 3                                           | .24                        | 2                                    | .00                                 | .27                        | 87                                   | .06                                 | 180                        | 1040                                 | 505                                 |
| 4                                           | .44                        | 2                                    | .00                                 | .44                        | 51                                   | .04                                 | 31                         | 306                                  | 26                                  |
| 5                                           | .51                        | 4                                    | .00                                 | .37                        | 13                                   | .01                                 | 9.5                        | 133                                  | 3.4                                 |
| 6                                           | 1.4                        | 2                                    | .00                                 | .30                        | 45                                   | .04                                 | 4.5                        | 154                                  | 1.9                                 |
| 7                                           | 1.0                        | 5                                    | .01                                 | .27                        | 67                                   | .05                                 | 3.0                        | 148                                  | 1.2                                 |
| 8                                           | .72                        | 4                                    | .00                                 | .24                        | 79                                   | .05                                 | 2.4                        | 112                                  | .73                                 |
| 9                                           | .93                        | 2                                    | .00                                 | .27                        | 23                                   | .02                                 | 1.8                        | 90                                   | .44                                 |
| 10                                          | .79                        | 3                                    | .00                                 | 2.2                        | 23                                   | .14                                 | 1.6                        | 100                                  | .43                                 |
| 11                                          | .79                        | 4                                    | .00                                 | 15                         | 35                                   | 1.4                                 | 1.8                        | 100                                  | .49                                 |
| 12                                          | .65                        | 2                                    | .00                                 | 16                         | 2850                                 | 123                                 | 1.7                        | 80                                   | .37                                 |
| 13                                          | .58                        | 4                                    | .00                                 | 7.8                        | 347                                  | 7.3                                 | 2.6                        | 95                                   | .67                                 |
| 14                                          | .93                        | 4                                    | .01                                 | 21                         | 1790                                 | 101                                 | 5.6                        | 248                                  | 3.7                                 |
| 15                                          | 1.1                        | 5                                    | .01                                 | 35                         | 1000                                 | 94                                  | 21                         | 564                                  | 32                                  |
| 16                                          | .86                        | 6                                    | .01                                 | 16                         | 110                                  | 4.8                                 | 221                        | 2410                                 | 1440                                |
| 17                                          | 1.1                        | 11                                   | .03                                 | 9.2                        | 331                                  | 8.2                                 | 43                         | 564                                  | 65                                  |
| 18                                          | .93                        | 7                                    | .02                                 | 1120                       | 2080                                 | 6290                                | 12                         | 291                                  | 9.4                                 |
| 19                                          | 1.5                        | 13                                   | .05                                 | 1710                       | 766                                  | 3540                                | 6.5                        | 272                                  | 4.8                                 |
| 20                                          | 3.4                        | 20                                   | .18                                 | 522                        | 201                                  | 283                                 | 558                        | 2170                                 | 3270                                |
| 21                                          | 3.6                        | 12                                   | .12                                 | 34                         | 77                                   | 7.1                                 | 3870                       | 1620                                 | 16900                               |
| 22                                          | 3.4                        | 12                                   | .11                                 | 15                         | 72                                   | 2.9                                 | 3010                       | 371                                  | 3020                                |
| 23                                          | 3.4                        | 11                                   | .10                                 | 8.5                        | 40                                   | .92                                 | 169                        | 128                                  | 58                                  |
| 24                                          | 3.0                        | 7                                    | .06                                 | 6.2                        | 46                                   | .77                                 | 66                         | 90                                   | 16                                  |
| 25                                          | 2.4                        | 14                                   | .09                                 | 6.5                        | 36                                   | .63                                 | 151                        | 146                                  | 60                                  |
| 26                                          | 2.4                        | 8                                    | .05                                 | 8.1                        | 40                                   | .87                                 | 130                        | 164                                  | 58                                  |
| 27                                          | 1.8                        | 18                                   | .09                                 | 4.8                        | 52                                   | .67                                 | 44                         | 164                                  | 19                                  |
| 28                                          | 1.4                        | 29                                   | .11                                 | 3.4                        | 50                                   | .46                                 | 31                         | 314                                  | 26                                  |
| 29                                          | 1.0                        | 29                                   | .08                                 | 2.4                        | 48                                   | .31                                 | 27                         | 140                                  | 10                                  |
| 30                                          | .79                        | 21                                   | .04                                 | 2.1                        | 55                                   | .31                                 | 225                        | 1160                                 | 717                                 |
| 31                                          | ---                        | ---                                  | ---                                 | 1.8                        | 50                                   | .24                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                       | 41.60                      | ---                                  | 1.17                                | 3570.04                    | ---                                  | 10468.36                            | 8849.7                     | ---                                  | 26266.76                            |
| JULY 1981                                   |                            |                                      | AUGUST 1981                         |                            |                                      | SEPTEMBER 1981                      |                            |                                      |                                     |
| 1                                           | 94                         | 336                                  | 85                                  | 8.1                        | 38                                   | .83                                 | 1.1                        | 133                                  | .40                                 |
| 2                                           | 41                         | 90                                   | 10                                  | 6.2                        | 35                                   | .59                                 | .65                        | 70                                   | .12                                 |
| 3                                           | 38                         | 175                                  | 18                                  | 5.0                        | 55                                   | .74                                 | .51                        | 35                                   | .05                                 |
| 4                                           | 131                        | 1110                                 | 393                                 | 4.3                        | 190                                  | 2.2                                 | .24                        | 50                                   | .03                                 |
| 5                                           | 180                        | 864                                  | 420                                 | 4.0                        | 353                                  | 3.8                                 | .18                        | 55                                   | .03                                 |
| 6                                           | 56                         | 270                                  | 41                                  | 3.6                        | 122                                  | 1.2                                 | .09                        | 45                                   | .01                                 |
| 7                                           | 32                         | 143                                  | 12                                  | 4.3                        | 128                                  | 1.5                                 | .06                        | 88                                   | .01                                 |
| 8                                           | 24                         | 156                                  | 10                                  | 3.2                        | 275                                  | 2.4                                 | .03                        | 75                                   | .00                                 |
| 9                                           | 21                         | 1280                                 | 49                                  | 2.6                        | 227                                  | 1.6                                 | .03                        | 62                                   | .00                                 |
| 10                                          | 31                         | 420                                  | 19                                  | 2.6                        | 105                                  | .74                                 | .00                        | 55                                   | .00                                 |
| 11                                          | 17                         | 138                                  | 6.3                                 | 2.6                        | 100                                  | .70                                 | .00                        | 60                                   | .00                                 |
| 12                                          | 15                         | 342                                  | 14                                  | 4.5                        | 75                                   | .91                                 | .00                        | 112                                  | .00                                 |
| 13                                          | 14                         | 418                                  | 16                                  | 4.0                        | 138                                  | 1.5                                 | .00                        | 107                                  | .00                                 |
| 14                                          | 13                         | 191                                  | 6.7                                 | 2.8                        | 55                                   | .42                                 | .00                        | 302                                  | .00                                 |
| 15                                          | 12                         | 156                                  | 5.1                                 | 2.1                        | 55                                   | .31                                 | .09                        | 70                                   | .02                                 |
| 16                                          | 12                         | 221                                  | 7.2                                 | 1.8                        | 38                                   | .18                                 | .09                        | 38                                   | .00                                 |
| 17                                          | 18                         | 122                                  | 5.9                                 | 1.7                        | 30                                   | .14                                 | .12                        | 50                                   | .02                                 |
| 18                                          | 40                         | 275                                  | 30                                  | 1.5                        | 80                                   | .32                                 | .09                        | 35                                   | .00                                 |
| 19                                          | 94                         | 425                                  | 108                                 | 1.1                        | 30                                   | .09                                 | .09                        | 65                                   | .02                                 |
| 20                                          | 176                        | 468                                  | 222                                 | .93                        | 30                                   | .08                                 | .12                        | 38                                   | .01                                 |
| 21                                          | 61                         | 2230                                 | 367                                 | .86                        | 25                                   | .06                                 | .12                        | 38                                   | .01                                 |
| 22                                          | 37                         | 1970                                 | 197                                 | .79                        | 25                                   | .05                                 | .13                        | 50                                   | .02                                 |
| 23                                          | 2480                       | 1530                                 | 10400                               | .72                        | 40                                   | .08                                 | .11                        | 85                                   | .03                                 |
| 24                                          | 2450                       | 2600                                 | 13500                               | .72                        | 232                                  | .45                                 | .09                        | 65                                   | .02                                 |
| 25                                          | 1270                       | 4200                                 | 14400                               | .26                        | 107                                  | .08                                 | .07                        | 221                                  | .04                                 |
| 26                                          | 2280                       | 987                                  | 6080                                | 1.4                        | 38                                   | .14                                 | .10                        | 156                                  | .04                                 |
| 27                                          | 1130                       | 1060                                 | 3230                                | .58                        | 75                                   | .12                                 | .06                        | 133                                  | .02                                 |
| 28                                          | 1160                       | 646                                  | 2020                                | 18                         | 75                                   | 3.6                                 | .02                        | 45                                   | .00                                 |
| 29                                          | 102                        | 216                                  | 59                                  | 6.5                        | 172                                  | 3.0                                 | .00                        | 80                                   | .00                                 |
| 30                                          | 22                         | 62                                   | 3.7                                 | 2.8                        | 190                                  | 1.4                                 | .00                        | 50                                   | .00                                 |
| 31                                          | 12                         | 65                                   | 2.1                                 | 1.8                        | 275                                  | 1.3                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                       | 12063                      | ---                                  | 51737.0                             | 101.36                     | ---                                  | 30.53                               | 4.19                       | ---                                  | 0.90                                |
| YEAR                                        | 24694.79                   | ---                                  | 88508.37                            | ---                        | ---                                  | ---                                 | ---                        | ---                                  | ---                                 |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                         | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05506000 Youngs Creek near Mexico, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| OCTOBER 1981                                |                            |                                      |                                     | NOVEMBER 1981              |                                      |                                     |                            | DECEMBER 1981                        |                                     |
| 1                                           | .00                        | 48                                   | .00                                 | 4.2                        | 29                                   | .33                                 | 5.7                        | 14                                   | .22                                 |
| 2                                           | .00                        | 47                                   | .00                                 | 58                         | 33                                   | 5.2                                 | 11                         | 10                                   | .30                                 |
| 3                                           | .00                        | 44                                   | .00                                 | 83                         | 73                                   | 16                                  | 8.3                        | 7                                    | .16                                 |
| 4                                           | .00                        | 43                                   | .00                                 | 241                        | 244                                  | 122                                 | 4.8                        | 11                                   | .14                                 |
| 5                                           | .00                        | 57                                   | .00                                 | 66                         | 28                                   | 5.0                                 | 3.9                        | 8                                    | .08                                 |
| 6                                           | .00                        | 46                                   | .00                                 | 27                         | 18                                   | 1.3                                 | 2.4                        | 5                                    | .04                                 |
| 7                                           | .00                        | 37                                   | .00                                 | 15                         | 19                                   | .77                                 | 2.3                        | 7                                    | .04                                 |
| 8                                           | .00                        | 36                                   | .00                                 | 8.7                        | 25                                   | .59                                 | 1.9                        | 7                                    | .04                                 |
| 9                                           | .00                        | 46                                   | .00                                 | 4.5                        | 27                                   | .33                                 | 1.1                        | 8                                    | .02                                 |
| 10                                          | .00                        | 58                                   | .00                                 | 3.3                        | 21                                   | .19                                 | .96                        | 9                                    | .02                                 |
| 11                                          | .00                        | 68                                   | .00                                 | 2.5                        | 15                                   | .10                                 | .84                        | 10                                   | .02                                 |
| 12                                          | .00                        | 28                                   | .00                                 | 1.9                        | 15                                   | .08                                 | .84                        | 14                                   | .03                                 |
| 13                                          | .00                        | 15                                   | .00                                 | 1.4                        | 17                                   | .06                                 | .84                        | 10                                   | .02                                 |
| 14                                          | .14                        | 20                                   | .00                                 | .96                        | 22                                   | .06                                 | .86                        | 7                                    | .01                                 |
| 15                                          | 6.9                        | 32                                   | .60                                 | .96                        | 30                                   | .08                                 | .86                        | 7                                    | .01                                 |
| 16                                          | 8.3                        | 51                                   | 1.1                                 | 1.4                        | 27                                   | .10                                 | 6.9                        | 5                                    | .09                                 |
| 17                                          | 5.4                        | 63                                   | .92                                 | 1.4                        | 23                                   | .09                                 | 5.1                        | 4                                    | .06                                 |
| 18                                          | 3.9                        | 56                                   | .59                                 | .96                        | 22                                   | .06                                 | 3.3                        | 3                                    | .03                                 |
| 19                                          | 2.6                        | 45                                   | .32                                 | 1.1                        | 17                                   | .05                                 | 2.0                        | 7                                    | .04                                 |
| 20                                          | 1.4                        | 40                                   | .15                                 | 1.9                        | 12                                   | .06                                 | 1.2                        | 6                                    | .02                                 |
| 21                                          | 1.4                        | 37                                   | .14                                 | 1.9                        | 7                                    | .04                                 | 1.2                        | 2                                    | .00                                 |
| 22                                          | 1.1                        | 35                                   | .10                                 | 2.6                        | 6                                    | .04                                 | 1.4                        | 1                                    | .00                                 |
| 23                                          | .84                        | 33                                   | .07                                 | 2.6                        | 8                                    | .06                                 | 2.0                        | 2                                    | .01                                 |
| 24                                          | .56                        | 29                                   | .04                                 | 2.3                        | 11                                   | .07                                 | 1.8                        | 3                                    | .01                                 |
| 25                                          | .56                        | 25                                   | .04                                 | 1.9                        | 9                                    | .05                                 | 1.4                        | 3                                    | .01                                 |
| 26                                          | .56                        | 29                                   | .04                                 | 1.4                        | 7                                    | .03                                 | 1.2                        | 3                                    | .00                                 |
| 27                                          | .56                        | 36                                   | .05                                 | 1.1                        | 7                                    | .02                                 | 1.4                        | 3                                    | .01                                 |
| 28                                          | .56                        | 48                                   | .07                                 | .96                        | 10                                   | .03                                 | 1.6                        | 3                                    | .01                                 |
| 29                                          | .66                        | 31                                   | .06                                 | .96                        | 8                                    | .02                                 | 1.6                        | 3                                    | .01                                 |
| 30                                          | 1.1                        | 28                                   | .08                                 | 2.6                        | 11                                   | .08                                 | 1.4                        | 4                                    | .02                                 |
| 31                                          | 1.4                        | 31                                   | .12                                 | ---                        | ---                                  | ---                                 | 1.1                        | 3                                    | .00                                 |
| TOTAL                                       | 37.94                      | ---                                  | 4.49                                | 543.50                     | ---                                  | 152.89                              | 81.02                      | ---                                  | 1.47                                |
| JANUARY 1982                                |                            |                                      |                                     | FEBRUARY 1982              |                                      |                                     |                            | MARCH 1982                           |                                     |
| 1                                           | 1.1                        | 2                                    | .00                                 | 97                         | 59                                   | 15                                  | 15                         | 23                                   | .93                                 |
| 2                                           | 1.0                        | 2                                    | .00                                 | 62                         | 47                                   | 7.4                                 | 16                         | 27                                   | 1.2                                 |
| 3                                           | 1.0                        | 2                                    | .00                                 | 18                         | 32                                   | 1.6                                 | 16                         | 33                                   | 1.4                                 |
| 4                                           | 2.3                        | 2                                    | .01                                 | 12                         | 28                                   | .91                                 | 58                         | 27                                   | 4.2                                 |
| 5                                           | 2.5                        | 2                                    | .01                                 | 7.8                        | 26                                   | .55                                 | 52                         | 38                                   | 5.3                                 |
| 6                                           | 2.3                        | 2                                    | .01                                 | 5.7                        | 29                                   | .45                                 | 22                         | 42                                   | 2.5                                 |
| 7                                           | 2.0                        | 1                                    | .00                                 | 4.2                        | 24                                   | .27                                 | 21                         | 42                                   | 2.4                                 |
| 8                                           | 2.0                        | 1                                    | .00                                 | 4.8                        | 23                                   | .30                                 | 16                         | 27                                   | 1.2                                 |
| 9                                           | 1.4                        | 2                                    | .00                                 | 4.5                        | 23                                   | .28                                 | 19                         | 29                                   | 1.5                                 |
| 10                                          | 1.2                        | 2                                    | .00                                 | 4.5                        | 18                                   | .22                                 | 15                         | 29                                   | 1.2                                 |
| 11                                          | 1.0                        | 2                                    | .00                                 | 3.6                        | 14                                   | .14                                 | 17                         | 35                                   | 1.6                                 |
| 12                                          | .70                        | 2                                    | .00                                 | 3.3                        | 11                                   | .10                                 | 21                         | 29                                   | 1.6                                 |
| 13                                          | .60                        | 3                                    | .00                                 | 2.8                        | 6                                    | .05                                 | 72                         | 193                                  | 38                                  |
| 14                                          | .60                        | 3                                    | .00                                 | 2.5                        | 28                                   | .19                                 | 96                         | 418                                  | 86                                  |
| 15                                          | .60                        | 3                                    | .00                                 | 291                        | 114                                  | 90                                  | 405                        | 1150                                 | 1030                                |
| 16                                          | .70                        | 6                                    | .01                                 | 1790                       | 262                                  | 1270                                | 892                        | 2810                                 | 6340                                |
| 17                                          | .70                        | 3                                    | .00                                 | 1020                       | 57                                   | 157                                 | 191                        | 690                                  | 356                                 |
| 18                                          | .40                        | 3                                    | .00                                 | 900                        | 41                                   | 100                                 | 42                         | 251                                  | 28                                  |
| 19                                          | .50                        | 3                                    | .00                                 | 1400                       | 176                                  | 665                                 | 27                         | 157                                  | 11                                  |
| 20                                          | .60                        | 3                                    | .00                                 | 820                        | 167                                  | 370                                 | 30                         | 108                                  | 8.7                                 |
| 21                                          | .70                        | 3                                    | .00                                 | 117                        | 57                                   | 18                                  | 22                         | 84                                   | 5.0                                 |
| 22                                          | 6.9                        | 3                                    | .06                                 | 66                         | 34                                   | 6.1                                 | 14                         | 105                                  | 4.0                                 |
| 23                                          | 9.2                        | 5                                    | .12                                 | 55                         | 26                                   | 3.9                                 | 11                         | 111                                  | 3.3                                 |
| 24                                          | 5.1                        | 5                                    | .07                                 | 43                         | 23                                   | 2.7                                 | 9.2                        | 114                                  | 2.8                                 |
| 25                                          | 5.4                        | 4                                    | .06                                 | 28                         | 17                                   | 1.3                                 | 13                         | 133                                  | 4.7                                 |
| 26                                          | 6.0                        | 4                                    | .06                                 | 22                         | 30                                   | 1.8                                 | 31                         | 92                                   | 7.7                                 |
| 27                                          | 6.0                        | 4                                    | .06                                 | 17                         | 44                                   | 2.0                                 | 18                         | 90                                   | 4.4                                 |
| 28                                          | 6.9                        | 6                                    | .11                                 | 16                         | 29                                   | 1.3                                 | 11                         | 86                                   | 2.6                                 |
| 29                                          | 340                        | 96                                   | 88                                  | ---                        | ---                                  | ---                                 | 8.3                        | 81                                   | 1.6                                 |
| 30                                          | 1470                       | 351                                  | 1220                                | ---                        | ---                                  | ---                                 | 7.4                        | 90                                   | 1.8                                 |
| 31                                          | 340                        | 160                                  | 165                                 | ---                        | ---                                  | ---                                 | 6.9                        | 80                                   | 1.5                                 |
| TOTAL                                       | 2219.40                    | ---                                  | 1473.58                             | 6817.7                     | ---                                  | 2717.06                             | 2194.8                     | ---                                  | 7962.33                             |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                         | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) |
|---------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05506000 Youngs Creek near Mexico, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| APRIL 1982                                  |                            |                                      |                                     | MAY 1982                   |                                      |                                     |                            | JUNE 1982                            |                                     |
| 1                                           | 7.4                        | 72                                   | 1.4                                 | 1.7                        | 52                                   | .24                                 | 145                        | 606                                  | 237                                 |
| 2                                           | 7.4                        | 62                                   | 1.2                                 | 1.6                        | 67                                   | .29                                 | 36                         | 330                                  | 32                                  |
| 3                                           | 8.7                        | 64                                   | 1.5                                 | 1.7                        | 43                                   | .20                                 | 14                         | 220                                  | 6.3                                 |
| 4                                           | 11                         | 43                                   | 1.3                                 | 1.7                        | 74                                   | .34                                 | 8.9                        | 171                                  | 4.1                                 |
| 5                                           | 8.3                        | 42                                   | .94                                 | 1.9                        | 75                                   | .38                                 | 25                         | 198                                  | 13                                  |
| 6                                           | 6.9                        | 38                                   | .71                                 | 2.3                        | 50                                   | .31                                 | 19                         | 182                                  | 9.3                                 |
| 7                                           | 6.0                        | 37                                   | .60                                 | 2.3                        | 46                                   | .29                                 | 243                        | 330                                  | 2620                                |
| 8                                           | 5.7                        | 50                                   | .77                                 | 2.3                        | 58                                   | .36                                 | 402                        | 3090                                 | 4660                                |
| 9                                           | 5.7                        | 56                                   | .86                                 | 2.1                        | 60                                   | .34                                 | 1830                       | 2400                                 | 11400                               |
| 10                                          | 6.5                        | 51                                   | .90                                 | 2.1                        | 42                                   | .24                                 | 824                        | 510                                  | 1130                                |
| 11                                          | 6.9                        | 50                                   | .93                                 | 1.7                        | 40                                   | .18                                 | 50                         | 184                                  | 25                                  |
| 12                                          | 6.5                        | 64                                   | 1.1                                 | 1.7                        | 38                                   | .17                                 | 28                         | 124                                  | 4.4                                 |
| 13                                          | 5.7                        | 77                                   | 1.2                                 | 1.6                        | 40                                   | .35                                 | 23                         | 110                                  | 6.6                                 |
| 14                                          | 4.5                        | 61                                   | .74                                 | 1.9                        | 66                                   | .34                                 | 16                         | 112                                  | 4.6                                 |
| 15                                          | 3.6                        | 63                                   | .61                                 | 1.9                        | 58                                   | .30                                 | 34                         | 130                                  | 12                                  |
| 16                                          | 5.1                        | 77                                   | 1.1                                 | 1.9                        | 70                                   | .36                                 | 157                        | 704                                  | 298                                 |
| 17                                          | 5.1                        | 112                                  | 1.5                                 | 3.5                        | 67                                   | .63                                 | 33                         | 345                                  | 31                                  |
| 18                                          | 7.8                        | 105                                  | 2.2                                 | 4.1                        | 72                                   | .60                                 | 15                         | 220                                  | 8.9                                 |
| 19                                          | 6.0                        | 92                                   | 1.5                                 | 3.5                        | 73                                   | .69                                 | 9.3                        | 179                                  | 4.5                                 |
| 20                                          | 4.5                        | 59                                   | .72                                 | 3.1                        | 72                                   | .60                                 | 8.3                        | 160                                  | 3.6                                 |
| 21                                          | 3.0                        | 80                                   | .65                                 | 21                         | 248                                  | 115                                 | 6.1                        | 144                                  | 2.4                                 |
| 22                                          | 2.6                        | 99                                   | .69                                 | 54                         | 750                                  | 103                                 | 4.4                        | 100                                  | 1.2                                 |
| 23                                          | 2.5                        | 62                                   | .42                                 | 14                         | 679                                  | 26                                  | 3.4                        | 69                                   | .63                                 |
| 24                                          | 2.3                        | 57                                   | .35                                 | 6.7                        | 492                                  | 8.9                                 | 2.7                        | 68                                   | .50                                 |
| 25                                          | 2.3                        | 67                                   | .42                                 | 5.3                        | 410                                  | 3.9                                 | 2.3                        | 70                                   | .43                                 |
| 26                                          | 3.0                        | 65                                   | .53                                 | 45                         | 538                                  | 71                                  | 2.1                        | 62                                   | .35                                 |
| 27                                          | 3.0                        | 55                                   | .45                                 | 39                         | 572                                  | 60                                  | 5.4                        | 61                                   | .69                                 |
| 28                                          | 2.5                        | 47                                   | .32                                 | 15                         | 431                                  | 17                                  | 5.8                        | 68                                   | 1.1                                 |
| 29                                          | 2.3                        | 42                                   | .26                                 | 11                         | 339                                  | 10                                  | 2.7                        | 73                                   | .53                                 |
| 30                                          | 1.9                        | 41                                   | .21                                 | 7.2                        | 266                                  | 5.6                                 | 3.0                        | 62                                   | .50                                 |
| 31                                          | ---                        | ---                                  | ---                                 | 43                         | 318                                  | 37                                  | ---                        | ---                                  | ---                                 |
| TOTAL                                       | 154.7                      | ---                                  | 26.08                               | 305.8                      | ---                                  | 466.81                              | 4018.4                     | ---                                  | 20546.23                            |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                        | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) |
|------------------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05506190 Middle Fork Salt River at Duncans Bridge Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| OCTOBER 1980                                               |                            |                                 |                                     | NOVEMBER 1980              |                                 |                                     | DECEMBER 1980              |                                 |                                     |
| 1                                                          | .20                        |                                 |                                     | .18                        | ---                             | ---                                 | 1.1                        | 3                               | .00                                 |
| 2                                                          | .20                        |                                 |                                     | .30                        | ---                             | ---                                 | .95                        | 5                               | .01                                 |
| 3                                                          | .20                        |                                 |                                     | .50                        | ---                             | ---                                 | 1.2                        | 10                              | .03                                 |
| 4                                                          | .20                        |                                 |                                     | .75                        | ---                             | ---                                 | 1.5                        | 4                               | .02                                 |
| 5                                                          | .20                        |                                 |                                     | .75                        | ---                             | ---                                 | 1.5                        | 3                               | .01                                 |
| 6                                                          | .15                        |                                 |                                     | .70                        | ---                             | ---                                 | 2.5                        | 91                              | .01                                 |
| 7                                                          | .15                        |                                 |                                     | .70                        | ---                             | ---                                 | 33                         | 858                             | 76                                  |
| 8                                                          | .15                        |                                 |                                     | .66                        | ---                             | ---                                 | 426                        | 1610                            | 1850                                |
| 9                                                          | .15                        |                                 |                                     | .70                        | ---                             | ---                                 | 745                        | 1000                            | 2010                                |
| 10                                                         | .15                        |                                 |                                     | .76                        | ---                             | ---                                 | 225                        | 390                             | 237                                 |
| 11                                                         | .22                        |                                 |                                     | .80                        | ---                             | ---                                 | 61                         | 260                             | 43                                  |
| 12                                                         | .48                        |                                 |                                     | .86                        | ---                             | ---                                 | 38                         | 169                             | 17                                  |
| 13                                                         | 1.4                        |                                 |                                     | .88                        | ---                             | ---                                 | 25                         | 91                              | 6.1                                 |
| 14                                                         | .88                        |                                 |                                     | .88                        | ---                             | ---                                 | 22                         | 74                              | 4.4                                 |
| 15                                                         | .60                        |                                 |                                     | .60                        | ---                             | ---                                 | 20                         | 65                              | 3.5                                 |
| 16                                                         | .45                        |                                 |                                     | .78                        | ---                             | ---                                 | 15                         | 60                              | 2.4                                 |
| 17                                                         | .35                        |                                 |                                     | .78                        | ---                             | ---                                 | 11                         | 52                              | 1.5                                 |
| 18                                                         | .25                        |                                 |                                     | .76                        | ---                             | ---                                 | 9.1                        | 42                              | 1.0                                 |
| 19                                                         | .27                        |                                 |                                     | .70                        | ---                             | ---                                 | 7.0                        | 38                              | .72                                 |
| 20                                                         | .20                        |                                 |                                     | .74                        | ---                             | ---                                 | 6.1                        | 49                              | .81                                 |
| 21                                                         | .20                        |                                 |                                     | .62                        | 5                               | .00                                 | 5.0                        | 43                              | .58                                 |
| 22                                                         | 1.3                        |                                 |                                     | .56                        | 8                               | .01                                 | 4.1                        | 30                              | .33                                 |
| 23                                                         | .66                        |                                 |                                     | .54                        | 4                               | .00                                 | 3.5                        | 31                              | .29                                 |
| 24                                                         | .45                        |                                 |                                     | .52                        | 3                               | .00                                 | 3.2                        | 26                              | .22                                 |
| 25                                                         | 1.4                        |                                 |                                     | .50                        | 8                               | .01                                 | 2.7                        | 23                              | .17                                 |
| 26                                                         | .80                        |                                 |                                     | .48                        | 6                               | .00                                 | 2.7                        | 17                              | .12                                 |
| 27                                                         | .30                        |                                 |                                     | .60                        | 3                               | .00                                 | 2.4                        | 18                              | .12                                 |
| 28                                                         | .21                        |                                 |                                     | .60                        | 1                               | .00                                 | 2.0                        | 16                              | .09                                 |
| 29                                                         | .19                        |                                 |                                     | 1.1                        | 3                               | .00                                 | 1.9                        | 13                              | .07                                 |
| 30                                                         | .18                        |                                 |                                     | 1.5                        | 1                               | .00                                 | 1.7                        | 10                              | .05                                 |
| 31                                                         | .18                        |                                 |                                     | ---                        | ---                             | ---                                 | 1.6                        | 9                               | .04                                 |
| TOTAL                                                      | 12.72                      |                                 |                                     | 21.20                      | ---                             | 0.02                                | 1682.75                    | ---                             | 4256.19                             |
| JANUARY 1981                                               |                            |                                 |                                     | FEBRUARY 1981              |                                 |                                     | MARCH 1981                 |                                 |                                     |
| 1                                                          | 1.5                        | 8                               | .03                                 | 2.4                        | 22                              | .14                                 | 20                         | 99                              | 5.3                                 |
| 2                                                          | 1.4                        | 8                               | .03                                 | 2.4                        | 24                              | .16                                 | 16                         | 39                              | 1.7                                 |
| 3                                                          | 1.3                        | 8                               | .03                                 | 2.2                        | 24                              | .14                                 | 13                         | 35                              | 1.2                                 |
| 4                                                          | 1.2                        | 9                               | .03                                 | 2.1                        | 19                              | .11                                 | 12                         | 36                              | 1.2                                 |
| 5                                                          | 1.2                        | 8                               | .03                                 | 2.0                        | 24                              | .13                                 | 32                         | 54                              | 4.7                                 |
| 6                                                          | 1.2                        | 12                              | .04                                 | 1.9                        | 26                              | .13                                 | 111                        | 156                             | 47                                  |
| 7                                                          | 1.2                        | 8                               | .03                                 | 1.8                        | 25                              | .12                                 | 70                         | 63                              | 16                                  |
| 8                                                          | 1.2                        | 10                              | .03                                 | 2.0                        | 27                              | .15                                 | 34                         | 62                              | 5.7                                 |
| 9                                                          | 1.2                        | 9                               | .03                                 | 1.7                        | 26                              | .12                                 | 21                         | 67                              | 3.8                                 |
| 10                                                         | 1.2                        | 10                              | .03                                 | 1.8                        | 26                              | .13                                 | 16                         | 46                              | 2.6                                 |
| 11                                                         | 1.4                        | 10                              | .04                                 | 1.9                        | 28                              | .14                                 | 13                         | 49                              | 1.7                                 |
| 12                                                         | 1.5                        | 13                              | .05                                 | 1.8                        | 28                              | .14                                 | 11                         | 51                              | 1.5                                 |
| 13                                                         | 1.1                        | 10                              | .03                                 | 1.8                        | 31                              | .15                                 | 9.7                        | 65                              | 1.7                                 |
| 14                                                         | 1.1                        | 9                               | .03                                 | 1.8                        | 33                              | .16                                 | 8.6                        | 66                              | 1.5                                 |
| 15                                                         | 1.6                        | 12                              | .05                                 | 2.6                        | 35                              | .25                                 | 7.6                        | 61                              | 1.3                                 |
| 16                                                         | 1.8                        | 12                              | .06                                 | 6.1                        | 38                              | .63                                 | 7.0                        | 58                              | 1.1                                 |
| 17                                                         | 1.6                        | 12                              | .05                                 | 7.0                        | 31                              | .46                                 | 5.9                        | 41                              | .65                                 |
| 18                                                         | 1.6                        | 14                              | .06                                 | 9.3                        | 36                              | 1.4                                 | 5.4                        | 22                              | .32                                 |
| 19                                                         | 1.7                        | 10                              | .05                                 | 10                         | 31                              | 1.4                                 | 4.7                        | 5                               | .06                                 |
| 20                                                         | 1.9                        | 10                              | .05                                 | 18                         | 46                              | 2.2                                 | 4.3                        | 12                              | .14                                 |
| 21                                                         | 2.0                        | 23                              | .12                                 | 21                         | 80                              | 4.5                                 | 3.9                        | 16                              | .17                                 |
| 22                                                         | 2.0                        | 23                              | .12                                 | 37                         | 421                             | 42                                  | 4.7                        | 21                              | .27                                 |
| 23                                                         | 2.3                        | 26                              | .16                                 | 142                        | 684                             | 262                                 | 4.0                        | 32                              | .35                                 |
| 24                                                         | 2.3                        | 28                              | .17                                 | 255                        | 640                             | 475                                 | 4.4                        | 38                              | .45                                 |
| 25                                                         | 2.6                        | 24                              | .17                                 | 191                        | 746                             | 385                                 | 3.8                        | 41                              | .42                                 |
| 26                                                         | 2.9                        | 24                              | .19                                 | 64                         | 375                             | 65                                  | 3.6                        | 50                              | .49                                 |
| 27                                                         | 2.7                        | 26                              | .19                                 | 36                         | 269                             | 26                                  | 3.5                        | 52                              | .49                                 |
| 28                                                         | 2.7                        | 31                              | .23                                 | 25                         | 191                             | 13                                  | 3.9                        | 52                              | .55                                 |
| 29                                                         | 2.6                        | 23                              | .16                                 | ---                        | ---                             | ---                                 | 3.5                        | 61                              | .58                                 |
| 30                                                         | 2.3                        | 22                              | .14                                 | ---                        | ---                             | ---                                 | 3.1                        | 65                              | .54                                 |
| 31                                                         | 2.3                        | 22                              | .14                                 | ---                        | ---                             | ---                                 | 2.7                        | 56                              | .41                                 |
| TOTAL                                                      | 54.6                       | ---                             | 2.57                                | 851.6                      | ---                             | 1281.26                             | 463.3                      | ---                             | 103.29                              |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                         | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|-------------------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05506190 Middle Fork Salt River at Duncans Bridge, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| APRIL 1981                                                  |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| 1                                                           | 2.5                        | 60                                   | .41                                 | 6.3                        | 160                                  | 2.7                                 | 62                         | 200                                  | 33                                  |
| 2                                                           | 2.3                        | 69                                   | .43                                 | 5.0                        | 150                                  | 2.0                                 | 58                         | 140                                  | 14                                  |
| 3                                                           | 2.1                        | 58                                   | .33                                 | 3.9                        | 100                                  | 1.1                                 | 30                         | 110                                  | 8.9                                 |
| 4                                                           | 2.0                        | 48                                   | .26                                 | 3.5                        | 100                                  | .95                                 | 25                         | 120                                  | 8.1                                 |
| 5                                                           | 1.9                        | 41                                   | .21                                 | 3.5                        | 140                                  | 1.3                                 | 21                         | 110                                  | 6.2                                 |
| 6                                                           | 1.8                        | 37                                   | .18                                 | 62                         | 360                                  | 84                                  | 58                         | 90                                   | 9.2                                 |
| 7                                                           | 1.7                        | 36                                   | .17                                 | 35                         | 340                                  | 32                                  | 40                         | 170                                  | 18                                  |
| 8                                                           | 1.6                        | 60                                   | .26                                 | 14                         | 230                                  | 8.7                                 | 23                         | 150                                  | 9.3                                 |
| 9                                                           | 1.5                        | 60                                   | .24                                 | 10                         | 210                                  | 5.7                                 | 21                         | 180                                  | 10                                  |
| 10                                                          | 5.4                        | 120                                  | 1.7                                 | 292                        | 330                                  | 260                                 | 23                         | 210                                  | 13                                  |
| 11                                                          | 13                         | 210                                  | 7.4                                 | 1270                       | 710                                  | 2430                                | 15                         | 160                                  | 6.5                                 |
| 12                                                          | 17                         | 120                                  | 5.5                                 | 656                        | 300                                  | 531                                 | 14                         | 240                                  | 9.1                                 |
| 13                                                          | 199                        | 160                                  | 86                                  | 92                         | 220                                  | 55                                  | 57                         | 940                                  | 94                                  |
| 14                                                          | 560                        | 1940                                 | 2930                                | 1250                       | 500                                  | 1690                                | 221                        | 1020                                 | 609                                 |
| 15                                                          | 220                        | 2250                                 | 1340                                | 2230                       | 280                                  | 1690                                | 110                        | 1320                                 | 392                                 |
| 16                                                          | 43                         | 750                                  | 87                                  | 2060                       | 210                                  | 1170                                | 1430                       | 370                                  | 1430                                |
| 17                                                          | 30                         | 470                                  | 38                                  | 872                        | 250                                  | 589                                 | 1040                       | 250                                  | 702                                 |
| 18                                                          | 98                         | 380                                  | 101                                 | 4220                       | 630                                  | 7180                                | 91                         | 760                                  | 192                                 |
| 19                                                          | 704                        | 500                                  | 950                                 | 6950                       | 390                                  | 7320                                | 49                         | 1810                                 | 239                                 |
| 20                                                          | 400                        | 1000                                 | 1080                                | 3690                       | 200                                  | 1990                                | 558                        | 1240                                 | 1870                                |
| 21                                                          | 200                        | 590                                  | 319                                 | 1670                       | 180                                  | 812                                 | 1290                       | 560                                  | 1950                                |
| 22                                                          | 149                        | 400                                  | 161                                 | 153                        | 390                                  | 140                                 | 1100                       | 320                                  | 950                                 |
| 23                                                          | 384                        | 620                                  | 643                                 | 123                        | 500                                  | 166                                 | 135                        | 610                                  | 222                                 |
| 24                                                          | 225                        | 640                                  | 389                                 | 136                        | 330                                  | 121                                 | 78                         | 2070                                 | 436                                 |
| 25                                                          | 59                         | 310                                  | 49                                  | 108                        | 150                                  | 44                                  | 3000                       | 1240                                 | 10000                               |
| 26                                                          | 32                         | 210                                  | 18                                  | 60                         | 220                                  | 36                                  | 4340                       | 497                                  | 5820                                |
| 27                                                          | 21                         | 200                                  | 11                                  | 44                         | 200                                  | 24                                  | 2530                       | 150                                  | 1020                                |
| 28                                                          | 14                         | 190                                  | 7.2                                 | 69                         | 240                                  | 45                                  | 469                        | 270                                  | 342                                 |
| 29                                                          | 11                         | 170                                  | 5.0                                 | 49                         | 275                                  | 36                                  | 58                         | 300                                  | 47                                  |
| 30                                                          | 8.9                        | 160                                  | 3.8                                 | 1000                       | 2140                                 | 5780                                | 300                        | 840                                  | 680                                 |
| 31                                                          | ---                        | ---                                  | ---                                 | 332                        | 490                                  | 439                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                                       | 3410.7                     | ---                                  | 8235.09                             | 27469.2                    | ---                                  | 32686.45                            | 17186                      | ---                                  | 27140.3                             |
| JULY 1981                                                   |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| 1                                                           | 657                        | 1280                                 | 2270                                | 58                         | 107                                  | 17                                  | 3.5                        | 64                                   | .60                                 |
| 2                                                           | 121                        | 510                                  | 167                                 | 229                        | 335                                  | 207                                 | 3.5                        | 54                                   | .51                                 |
| 3                                                           | 51                         | 380                                  | 52                                  | 453                        | 977                                  | 1190                                | 3.1                        | 56                                   | .47                                 |
| 4                                                           | 910                        | 788                                  | 1940                                | 87                         | 301                                  | 71                                  | 2.7                        | 60                                   | .44                                 |
| 5                                                           | 2040                       | 500                                  | 2750                                | 153                        | 701                                  | 290                                 | 2.5                        | 62                                   | .42                                 |
| 6                                                           | 2280                       | 380                                  | 2340                                | 40                         | 218                                  | 24                                  | 2.3                        | 55                                   | .34                                 |
| 7                                                           | 1750                       | 270                                  | 1260                                | 28                         | 91                                   | 6.9                                 | 2.6                        | 48                                   | .34                                 |
| 8                                                           | 42                         | 200                                  | 50                                  | 22                         | 90                                   | 5.3                                 | 3.0                        | 49                                   | .40                                 |
| 9                                                           | 39                         | 100                                  | 11                                  | 17                         | 81                                   | 3.7                                 | 3.1                        | 62                                   | .52                                 |
| 10                                                          | 25                         | 70                                   | 4.7                                 | 17                         | 95                                   | 4.4                                 | 3.5                        | 68                                   | .64                                 |
| 11                                                          | 19                         | 60                                   | 3.1                                 | 16                         | 78                                   | 3.4                                 | 4.3                        | 60                                   | .70                                 |
| 12                                                          | 14                         | 50                                   | 1.9                                 | 12                         | 62                                   | 2.0                                 | 3.7                        | 52                                   | .52                                 |
| 13                                                          | 11                         | 50                                   | 1.5                                 | 10                         | 61                                   | 1.6                                 | 2.7                        | 53                                   | .39                                 |
| 14                                                          | 8.5                        | 50                                   | 1.1                                 | 9.4                        | 75                                   | 1.9                                 | 2.4                        | 72                                   | .47                                 |
| 15                                                          | 6.9                        | 65                                   | 1.2                                 | 8.3                        | 81                                   | 1.8                                 | 5.5                        | 110                                  | 1.6                                 |
| 16                                                          | 7.0                        | 64                                   | 1.2                                 | 8.3                        | 80                                   | 1.8                                 | 31                         | 112                                  | 9.4                                 |
| 17                                                          | 28                         | 63                                   | 4.8                                 | 7.0                        | 65                                   | 1.2                                 | 11                         | 123                                  | 3.7                                 |
| 18                                                          | 38                         | 84                                   | 8.6                                 | 6.4                        | 57                                   | .98                                 | 5.2                        | 169                                  | 2.4                                 |
| 19                                                          | 720                        | 1340                                 | 2600                                | 6.7                        | 49                                   | .89                                 | 3.4                        | 122                                  | 1.1                                 |
| 20                                                          | 446                        | 850                                  | 1020                                | 6.4                        | 62                                   | 1.1                                 | 2.5                        | 119                                  | .80                                 |
| 21                                                          | 103                        | 365                                  | 102                                 | 5.7                        | 47                                   | .72                                 | 1.9                        | 101                                  | .52                                 |
| 22                                                          | 40                         | 171                                  | 18                                  | 5.1                        | 53                                   | .73                                 | 1.6                        | 113                                  | .49                                 |
| 23                                                          | 1810                       | 635                                  | 3100                                | 4.5                        | 52                                   | .63                                 | 1.6                        | 78                                   | .34                                 |
| 24                                                          | 4120                       | 461                                  | 5130                                | 5.4                        | 64                                   | .93                                 | 1.6                        | 264                                  | 1.1                                 |
| 25                                                          | 3470                       | 476                                  | 4460                                | 5.4                        | 101                                  | 1.5                                 | 25                         | 631                                  | 43                                  |
| 26                                                          | 4580                       | 297                                  | 3670                                | 4.2                        | 78                                   | .88                                 | 41                         | 434                                  | 48                                  |
| 27                                                          | 6920                       | 341                                  | 6370                                | 3.9                        | 48                                   | .51                                 | 19                         | 297                                  | 15                                  |
| 28                                                          | 6140                       | 253                                  | 4190                                | 3.6                        | 49                                   | .48                                 | 13                         | 242                                  | 8.5                                 |
| 29                                                          | 3400                       | 167                                  | 1530                                | 3.6                        | 86                                   | .84                                 | 6.4                        | 167                                  | 2.9                                 |
| 30                                                          | 1520                       | 128                                  | 525                                 | 7.0                        | 252                                  | 4.8                                 | 3.7                        | 124                                  | 1.2                                 |
| 31                                                          | 106                        | 156                                  | 39                                  | 4.5                        | 139                                  | 1.7                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                                       | 41472.4                    | ---                                  | 43642.1                             | 1247.4                     | ---                                  | 1649.69                             | 216.3                      | ---                                  | 146.81                              |
| YEAR                                                        | 94088.17                   |                                      | 119343.77                           |                            |                                      |                                     |                            |                                      |                                     |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                         | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|-------------------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05506190 Middle Fork Salt River at Duncans Bridge, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| OCTOBER 1981                                                |                            |                                 | NOVEMBER 1981                       |                            |                                 | DECEMBER 1981                       |                            |                                 |                                     |
| 1                                                           | 2.6                        | 188                             | 1.3                                 | 276                        | 546                             | 623                                 | 239                        | 344                             | 269                                 |
| 2                                                           | 1.9                        | 112                             | .57                                 | 1560                       | 734                             | 3090                                | 247                        | 238                             | 146                                 |
| 3                                                           | 1.5                        | 94                              | .38                                 | 1990                       | 203                             | 1090                                | 89                         | 45                              | 11                                  |
| 4                                                           | 1.4                        | 100                             | .38                                 | 2250                       | 150                             | 790                                 | 52                         | 35                              | 4.4                                 |
| 5                                                           | 1.6                        | 94                              | .41                                 | 1750                       | 130                             | 614                                 | 36                         | 27                              | 2.6                                 |
| 6                                                           | 1.6                        | 100                             | .43                                 | 269                        | 79                              | 57                                  | 29                         | 21                              | 1.6                                 |
| 7                                                           | 1.5                        | 81                              | .33                                 | 94                         | 52                              | 13                                  | 25                         | 16                              | 1.1                                 |
| 8                                                           | 1.5                        | 74                              | .30                                 | 61                         | 44                              | 1.2                                 | 23                         | 16                              | .49                                 |
| 9                                                           | 1.7                        | 84                              | .39                                 | 45                         | 35                              | 4.3                                 | 22                         | 22                              | 1.3                                 |
| 10                                                          | 1.4                        | 59                              | .29                                 | 35                         | 29                              | 2.7                                 | 20                         | 12                              | .65                                 |
| 11                                                          | 1.9                        | 81                              | .42                                 | 50                         | 20                              | 1.6                                 | 18                         | 11                              | .53                                 |
| 12                                                          | 2.2                        | 80                              | .48                                 | 25                         | 14                              | .95                                 | 17                         | 12                              | .55                                 |
| 13                                                          | 2.7                        | 73                              | .53                                 | 23                         | 10                              | .62                                 | 17                         | 10                              | .46                                 |
| 14                                                          | 82                         | 252                             | 56                                  | 21                         | 18                              | 1.0                                 | 17                         | 13                              | .60                                 |
| 15                                                          | 210                        | 650                             | 369                                 | 20                         | 22                              | 1.2                                 | 15                         | 10                              | .41                                 |
| 16                                                          | 91                         | 230                             | 57                                  | 20                         | 18                              | .97                                 | 14                         | 11                              | .42                                 |
| 17                                                          | 43                         | 226                             | 26                                  | 19                         | 13                              | .67                                 | 15                         | 5                               | .20                                 |
| 18                                                          | 22                         | 201                             | 12                                  | 18                         | 21                              | 1.0                                 | 14                         | 4                               | .15                                 |
| 19                                                          | 30                         | 118                             | 9.6                                 | 18                         | 24                              | 1.2                                 | 15                         | 3                               | .12                                 |
| 20                                                          | 18                         | 87                              | 4.2                                 | 18                         | 24                              | 1.2                                 | 14                         | 4                               | .15                                 |
| 21                                                          | 11                         | 79                              | 2.3                                 | 19                         | 24                              | 1.2                                 | 11                         | 4                               | .12                                 |
| 22                                                          | 7.6                        | 63                              | 1.3                                 | 21                         | 18                              | 1.0                                 | 14                         | 5                               | .19                                 |
| 23                                                          | 5.8                        | 61                              | .96                                 | 18                         | 20                              | .97                                 | 17                         | 4                               | .18                                 |
| 24                                                          | 4.9                        | 61                              | .81                                 | 17                         | 18                              | .83                                 | 20                         | 3                               | .16                                 |
| 25                                                          | 5.1                        | 43                              | .59                                 | 18                         | 17                              | .83                                 | 20                         | 3                               | .16                                 |
| 26                                                          | 5.2                        | 33                              | .46                                 | 15                         | 15                              | .61                                 | 19                         | 2                               | .10                                 |
| 27                                                          | 5.4                        | 48                              | .70                                 | 14                         | 14                              | .53                                 | 20                         | 3                               | .16                                 |
| 28                                                          | 5.7                        | 51                              | .78                                 | 14                         | 16                              | .38                                 | 18                         | 3                               | .15                                 |
| 29                                                          | 6.2                        | 49                              | .82                                 | 15                         | 14                              | .57                                 | 18                         | 3                               | .15                                 |
| 30                                                          | 6.0                        | 49                              | .79                                 | 18                         | 18                              | .87                                 | 15                         | 4                               | .16                                 |
| 31                                                          | 7.6                        | 50                              | 1.0                                 | ---                        | ---                             | ---                                 | 14                         | 5                               | .19                                 |
| TOTAL                                                       | 590.4                      | ---                             | 550.52                              | 8711                       | ---                             | 6304.40                             | 1104                       | ---                             | 444.45                              |
| JANUARY 1982                                                |                            |                                 | FEBRUARY 1982                       |                            |                                 | MARCH 1982                          |                            |                                 |                                     |
| 1                                                           | 15                         | 5                               | .20                                 | 2150                       | 35                              | 201                                 | 74                         | 74                              | 15                                  |
| 2                                                           | 13                         | 5                               | .18                                 | 1450                       | 28                              | 110                                 | 77                         | 38                              | 7.9                                 |
| 3                                                           | 15                         | 5                               | .20                                 | 441                        | 23                              | 27                                  | 63                         | 47                              | 11                                  |
| 4                                                           | 19                         | 4                               | .21                                 | 312                        | 25                              | 21                                  | 155                        | 179                             | 75                                  |
| 5                                                           | 22                         | 4                               | .24                                 | 198                        | 25                              | 13                                  | 163                        | 132                             | 58                                  |
| 6                                                           | 24                         | 4                               | .26                                 | 131                        | 22                              | 7.8                                 | 49                         | 75                              | 20                                  |
| 7                                                           | 21                         | 4                               | .23                                 | 91                         | 53                              | 13                                  | 118                        | 74                              | 24                                  |
| 8                                                           | 15                         | 5                               | .20                                 | 62                         | 48                              | 8.0                                 | 100                        | 66                              | 16                                  |
| 9                                                           | 12                         | 6                               | .19                                 | 40                         | 25                              | 2.7                                 | 74                         | 48                              | 9.6                                 |
| 10                                                          | 8.0                        | 6                               | .13                                 | 19                         | 22                              | 1.1                                 | 66                         | 62                              | 11                                  |
| 11                                                          | 7.5                        | 6                               | .12                                 | 20                         | 24                              | 1.3                                 | 106                        | 96                              | 27                                  |
| 12                                                          | 5.8                        | 9                               | .14                                 | 16                         | 21                              | .91                                 | 267                        | 551                             | 397                                 |
| 13                                                          | 5.4                        | 12                              | .17                                 | 12                         | 40                              | 1.3                                 | 263                        | 571                             | 436                                 |
| 14                                                          | 5.8                        | 12                              | .19                                 | 17                         | 26                              | 1.2                                 | 457                        | 932                             | 1620                                |
| 15                                                          | 6.5                        | 12                              | .21                                 | 205                        | 71                              | 39                                  | 1830                       | 1840                            | 9090                                |
| 16                                                          | 6.7                        | 10                              | .18                                 | 1230                       | 68                              | 226                                 | 2450                       | 650                             | 4300                                |
| 17                                                          | 7.6                        | 12                              | .25                                 | 1730                       | 57                              | 266                                 | 2300                       | 480                             | 2960                                |
| 18                                                          | 7.2                        | 14                              | .27                                 | 1790                       | 50                              | 242                                 | 816                        | 450                             | 991                                 |
| 19                                                          | 6.2                        | 18                              | .30                                 | 1940                       | 44                              | 230                                 | 1160                       | 5130                            | 10300                               |
| 20                                                          | 6.2                        | 18                              | .30                                 | 2230                       | 128                             | 771                                 | 955                        | 1060                            | 2730                                |
| 21                                                          | 6.7                        | 21                              | .38                                 | 2080                       | 138                             | 775                                 | 443                        | 600                             | 716                                 |
| 22                                                          | 9.3                        | 14                              | .35                                 | 1820                       | 220                             | 1080                                | 156                        | 265                             | 112                                 |
| 23                                                          | 24                         | 12                              | .78                                 | 802                        | 326                             | 706                                 | 101                        | 175                             | 48                                  |
| 24                                                          | 25                         | 12                              | .81                                 | 321                        | 256                             | 222                                 | 62                         | 140                             | 31                                  |
| 25                                                          | 20                         | 13                              | .70                                 | 193                        | 144                             | 75                                  | 74                         | 130                             | 26                                  |
| 26                                                          | 23                         | 14                              | .87                                 | 116                        | 110                             | 34                                  | 63                         | 100                             | 17                                  |
| 27                                                          | 29                         | 32                              | 2.5                                 | 88                         | 84                              | 20                                  | 52                         | 60                              | 8.4                                 |
| 28                                                          | 36                         | 28                              | 2.7                                 | 78                         | 76                              | 10                                  | 45                         | 60                              | 7.3                                 |
| 29                                                          | 540                        | 21                              | 31                                  | ---                        | ---                             | ---                                 | 42                         | 45                              | 11                                  |
| 30                                                          | 3390                       | 27                              | 247                                 | ---                        | ---                             | ---                                 | 49                         | 320                             | 42                                  |
| 31                                                          | 2620                       | 42                              | 297                                 | ---                        | ---                             | ---                                 | 54                         | 290                             | 42                                  |
| TOTAL                                                       | 6951.9                     | ---                             | 586.26                              | 19562                      | ---                             | 5111.31                             | 12794                      | ---                             | 34161.2                             |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                         | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|-------------------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05506190 Middle Fork Salt River at Duncans Bridge, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| APRIL 1982                                                  |                            |                                 |                                     | MAY 1982                   |                                 |                                     |                            | JUNE 1982                       |                                     |
| 1                                                           | 62                         | 140                             | 23                                  | 18                         | 82                              | 4.0                                 | 1840                       | 460                             | 2290                                |
| 2                                                           | 65                         | 208                             | 47                                  | 18                         | 80                              | 3.9                                 | 1420                       | 350                             | 1340                                |
| 3                                                           | 112                        | 730                             | 221                                 | 17                         | 83                              | 3.8                                 | 248                        | 270                             | 181                                 |
| 4                                                           | 79                         | 200                             | 43                                  | 16                         | 82                              | 3.5                                 | 101                        | 116                             | 48                                  |
| 5                                                           | 59                         | 100                             | 16                                  | 16                         | 78                              | 3.4                                 | 86                         | 144                             | 33                                  |
| 6                                                           | 62                         | 60                              | 10                                  | 142                        | 518                             | 322                                 | 85                         | 96                              | 17                                  |
| 7                                                           | 62                         | 50                              | 8.4                                 | 262                        | 780                             | 552                                 | 53                         | 110                             | 16                                  |
| 8                                                           | 54                         | 50                              | 7.3                                 | 94                         | 208                             | 73                                  | 54                         | 106                             | 24                                  |
| 9                                                           | 56                         | 50                              | 7.6                                 | 50                         | 108                             | 25                                  | 1870                       | 1510                            | 7170                                |
| 10                                                          | 64                         | 50                              | 8.6                                 | 35                         | 170                             | 16                                  | 2920                       | 358                             | 2820                                |
| 11                                                          | 62                         | 60                              | 10                                  | 28                         | 180                             | 12                                  | 2100                       | 267                             | 1510                                |
| 12                                                          | 58                         | 80                              | 13                                  | 23                         | 148                             | 9.2                                 | 988                        | 192                             | 512                                 |
| 13                                                          | 49                         | 80                              | 11                                  | 21                         | 130                             | 7.4                                 | 92                         | 183                             | 45                                  |
| 14                                                          | 42                         | 100                             | 11                                  | 21                         | 124                             | 7.0                                 | 58                         | 152                             | 24                                  |
| 15                                                          | 35                         | 85                              | 8.0                                 | 84                         | 223                             | 46                                  | 51                         | 191                             | 26                                  |
| 16                                                          | 32                         | 75                              | 6.5                                 | 288                        | 646                             | 800                                 | 208                        | 436                             | 245                                 |
| 17                                                          | 57                         | 134                             | 21                                  | 249                        | 709                             | 517                                 | 152                        | 313                             | 128                                 |
| 18                                                          | 91                         | 192                             | 47                                  | 137                        | 560                             | 207                                 | 75                         | 216                             | 44                                  |
| 19                                                          | 63                         | 181                             | 31                                  | 130                        | 737                             | 304                                 | 145                        | 298                             | 117                                 |
| 20                                                          | 45                         | 140                             | 17                                  | 125                        | 1140                            | 385                                 | 86                         | 332                             | 77                                  |
| 21                                                          | 38                         | 188                             | 19                                  | 68                         | 503                             | 92                                  | 36                         | 180                             | 17                                  |
| 22                                                          | 31                         | 182                             | 15                                  | 122                        | 378                             | 125                                 | 23                         | 128                             | 7.9                                 |
| 23                                                          | 26                         | 157                             | 11                                  | 89                         | 450                             | 108                                 | 16                         | 98                              | 4.2                                 |
| 24                                                          | 24                         | 123                             | 8.0                                 | 41                         | 348                             | 39                                  | 14                         | 130                             | 4.9                                 |
| 25                                                          | 23                         | 114                             | 7.1                                 | 33                         | 267                             | 24                                  | 12                         | 92                              | 3.0                                 |
| 26                                                          | 23                         | 102                             | 6.3                                 | 443                        | 1010                            | 1470                                | 11                         | 98                              | 2.9                                 |
| 27                                                          | 22                         | 101                             | 6.0                                 | 671                        | 740                             | 1340                                | 91                         | 1020                            | 283                                 |
| 28                                                          | 20                         | 90                              | 4.9                                 | 147                        | 280                             | 111                                 | 329                        | 2160                            | 1990                                |
| 29                                                          | 19                         | 81                              | 4.2                                 | 98                         | 240                             | 64                                  | 97                         | 750                             | 196                                 |
| 30                                                          | 18                         | 83                              | 4.0                                 | 319                        | 765                             | 1420                                | 49                         | 200                             | 26                                  |
| 31                                                          | ---                        | ---                             | ---                                 | 1620                       | 1120                            | 4900                                | ---                        | ---                             | ---                                 |
| TOTAL                                                       | 1453                       | ---                             | 652.9                               | 5405                       | ---                             | 13034.2                             | 13290                      | ---                             | 19201.9                             |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|----------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05506500 Middle Fork Salt River at Paris, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JULY 1980                                          |                            |                                      |                                     | AUGUST 1980                |                                      |                                     | SEPTEMBER 1980             |                                      |                                     |
| 1                                                  | 1.4                        |                                      |                                     | 5.1                        | ---                                  | ---                                 | .57                        | 52                                   | .03                                 |
| 2                                                  | .91                        |                                      |                                     | 6.6                        | ---                                  | ---                                 | 2.8                        | 40                                   | .30                                 |
| 3                                                  | 160                        |                                      |                                     | 6.6                        | ---                                  | ---                                 | 27                         | 104                                  | 7.6                                 |
| 4                                                  | 88                         |                                      |                                     | 3.8                        | ---                                  | ---                                 | 13                         | 392                                  | 14                                  |
| 5                                                  | 145                        |                                      |                                     | 2.5                        | ---                                  | ---                                 | 41                         | 86                                   | 9.5                                 |
| 6                                                  | 45                         |                                      |                                     | 6.8                        | 34                                   | .62                                 | 25                         | 50                                   | 3.4                                 |
| 7                                                  | 22                         |                                      |                                     | 8.4                        | 40                                   | .91                                 | 27                         | 60                                   | 4.4                                 |
| 8                                                  | 13                         |                                      |                                     | 20                         | 41                                   | 2.2                                 | 33                         | 69                                   | 6.1                                 |
| 9                                                  | 7.1                        |                                      |                                     | 9.1                        | 45                                   | 1.1                                 | 24                         | 76                                   | 4.9                                 |
| 10                                                 | 4.5                        |                                      |                                     | 4.6                        | 43                                   | .53                                 | 13                         | 85                                   | 3.0                                 |
| 11                                                 | 4.1                        |                                      |                                     | 2.5                        | 41                                   | .28                                 | 6.1                        | 71                                   | 1.2                                 |
| 12                                                 | 3.1                        |                                      |                                     | 1.2                        | 52                                   | .17                                 | 2.2                        | 84                                   | .50                                 |
| 13                                                 | 2.0                        |                                      |                                     | .54                        | 41                                   | .06                                 | 1.9                        | 119                                  | .61                                 |
| 14                                                 | 1.6                        |                                      |                                     | .25                        | 42                                   | .03                                 | 1.2                        | 57                                   | .18                                 |
| 15                                                 | 1.3                        |                                      |                                     | .54                        | 53                                   | .08                                 | .88                        | 50                                   | .12                                 |
| 16                                                 | 1.3                        |                                      |                                     | .25                        | 58                                   | .03                                 | 1.3                        | 36                                   | .13                                 |
| 17                                                 | 1.2                        |                                      |                                     | .21                        | 26                                   | .01                                 | 1.2                        | 43                                   | .14                                 |
| 18                                                 | .76                        |                                      |                                     | 7.8                        | 33                                   | .69                                 | 1.3                        | 37                                   | .13                                 |
| 19                                                 | .54                        |                                      |                                     | 25                         | 59                                   | 2.6                                 | 2.4                        | 30                                   | .19                                 |
| 20                                                 | .54                        |                                      |                                     | 16                         | 50                                   | 2.2                                 | 24                         | 29                                   | 1.9                                 |
| 21                                                 | .45                        |                                      |                                     | 9.8                        | 159                                  | 4.2                                 | 26                         | 28                                   | 2.0                                 |
| 22                                                 | .45                        |                                      |                                     | 6.6                        | 425                                  | 7.6                                 | 11                         | 26                                   | .77                                 |
| 23                                                 | .45                        |                                      |                                     | 5.5                        | 307                                  | 4.6                                 | 5.1                        | 23                                   | .32                                 |
| 24                                                 | .45                        |                                      |                                     | 3.4                        | 57                                   | .52                                 | 2.8                        | 23                                   | .17                                 |
| 25                                                 | .37                        |                                      |                                     | 1.6                        | 50                                   | .24                                 | 1.6                        | 18                                   | .08                                 |
| 26                                                 | .30                        |                                      |                                     | 1.0                        | 39                                   | .11                                 | 1.3                        | 21                                   | .07                                 |
| 27                                                 | .76                        |                                      |                                     | .64                        | 19                                   | .03                                 | .68                        | 25                                   | .06                                 |
| 28                                                 | .64                        |                                      |                                     | .45                        | 19                                   | .02                                 | .59                        | 35                                   | .06                                 |
| 29                                                 | .54                        |                                      |                                     | .21                        | 25                                   | .01                                 | .35                        | 45                                   | .04                                 |
| 30                                                 | .76                        |                                      |                                     | .17                        | 45                                   | .02                                 | .21                        | 37                                   | .02                                 |
| 31                                                 | 1.3                        |                                      |                                     | .13                        | 52                                   | .02                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                              | 509.82                     |                                      |                                     | 157.49                     | ---                                  | 26.88                               | 298.48                     | ---                                  | 61.92                               |
| YEAR                                               | 25107.22                   |                                      | 90.80                               |                            |                                      |                                     |                            |                                      |                                     |
| OCTOBER 1980                                       |                            |                                      |                                     | NOVEMBER 1980              |                                      |                                     | DECEMBER 1980              |                                      |                                     |
| 1                                                  | .23                        | 31                                   | .02                                 | .21                        | 34                                   | .02                                 | 1.8                        | 8                                    | .04                                 |
| 2                                                  | .27                        | 39                                   | .03                                 | .21                        | 43                                   | .02                                 | 2.3                        | 8                                    | .05                                 |
| 3                                                  | .30                        | 42                                   | .03                                 | .21                        | 68                                   | .04                                 | 2.0                        | 6                                    | .03                                 |
| 4                                                  | .30                        | 24                                   | .02                                 | .21                        | 35                                   | .02                                 | 2.0                        | 8                                    | .04                                 |
| 5                                                  | .30                        | 18                                   | .01                                 | .21                        | 33                                   | .02                                 | 2.5                        | 6                                    | .04                                 |
| 6                                                  | .30                        | 17                                   | .01                                 | .26                        | 52                                   | .04                                 | 2.5                        | 11                                   | .07                                 |
| 7                                                  | .29                        | 21                                   | .02                                 | .41                        | 62                                   | .07                                 | 5.6                        | 26                                   | .39                                 |
| 8                                                  | .25                        | 20                                   | .01                                 | .66                        | 49                                   | .09                                 | 175                        | 68                                   | 32                                  |
| 9                                                  | .22                        | 29                                   | .02                                 | .62                        | 28                                   | .06                                 | 803                        | 357                                  | 774                                 |
| 10                                                 | .21                        | 33                                   | .02                                 | .68                        | 36                                   | .09                                 | 627                        | 190                                  | 322                                 |
| 11                                                 | .21                        | 34                                   | .02                                 | .78                        | 39                                   | .08                                 | 208                        | 112                                  | 63                                  |
| 12                                                 | .21                        | 24                                   | .01                                 | .76                        | 23                                   | .05                                 | 78                         | 78                                   | 16                                  |
| 13                                                 | .21                        | 10                                   | .00                                 | .76                        | 27                                   | .06                                 | 43                         | 67                                   | 7.8                                 |
| 14                                                 | .21                        | 10                                   | .00                                 | .98                        | 42                                   | .11                                 | 27                         | 63                                   | 4.6                                 |
| 15                                                 | 1.4                        | 20                                   | .08                                 | 1.0                        | 41                                   | .11                                 | 19                         | 52                                   | 2.7                                 |
| 16                                                 | .88                        | 29                                   | .07                                 | 1.0                        | 39                                   | .11                                 | 18                         | 33                                   | 1.6                                 |
| 17                                                 | .64                        | 17                                   | .03                                 | .98                        | 46                                   | .12                                 | 13                         | 29                                   | 1.0                                 |
| 18                                                 | .45                        | 16                                   | .02                                 | .88                        | 75                                   | .18                                 | 8.0                        | 27                                   | .58                                 |
| 19                                                 | .35                        | 34                                   | .03                                 | .88                        | 40                                   | .10                                 | 7.6                        | 29                                   | .60                                 |
| 20                                                 | .30                        | 32                                   | .03                                 | .88                        | 28                                   | .07                                 | 6.0                        | 29                                   | .47                                 |
| 21                                                 | .25                        | 19                                   | .01                                 | .76                        | 24                                   | .05                                 | 5.2                        | 24                                   | .34                                 |
| 22                                                 | .25                        | 23                                   | .02                                 | .76                        | 15                                   | .03                                 | 4.7                        | 23                                   | .29                                 |
| 23                                                 | .25                        | 31                                   | .02                                 | .94                        | 22                                   | .06                                 | 4.1                        | 22                                   | .24                                 |
| 24                                                 | 1.5                        | 32                                   | .13                                 | .78                        | 21                                   | .04                                 | 3.6                        | 20                                   | .19                                 |
| 25                                                 | .45                        | 48                                   | .06                                 | .56                        | 21                                   | .03                                 | 3.2                        | 18                                   | .16                                 |
| 26                                                 | .30                        | 61                                   | .05                                 | .54                        | 7                                    | .01                                 | 2.7                        | 17                                   | .12                                 |
| 27                                                 | 1.6                        | 46                                   | .20                                 | .65                        | 10                                   | .02                                 | 2.6                        | 15                                   | .11                                 |
| 28                                                 | .81                        | 32                                   | .07                                 | 1.5                        | 12                                   | .05                                 | 2.4                        | 11                                   | .07                                 |
| 29                                                 | .25                        | 31                                   | .02                                 | 1.6                        | 7                                    | .03                                 | 2.2                        | 22                                   | .13                                 |
| 30                                                 | .21                        | 28                                   | .02                                 | 1.7                        | 6                                    | .03                                 | 2.1                        | 37                                   | .21                                 |
| 31                                                 | .21                        | 20                                   | .01                                 | ---                        | ---                                  | ---                                 | 1.9                        | 12                                   | .06                                 |
| TOTAL                                              | 13.61                      | ---                                  | 1.09                                | 22.97                      | ---                                  | 1.81                                | 2066.0                     | ---                                  | 1228.93                             |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|----------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05506500 Middle Fork Salt River at Paris, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JANUARY 1981                                       |                            |                                      | FEBRUARY 1981                       |                            |                                      | MARCH 1981                          |                            |                                      |                                     |
| 1                                                  | 1.7                        | 7                                    | .03                                 | 2.2                        | 9                                    | .05                                 | 27                         | 153                                  | 11                                  |
| 2                                                  | 1.6                        | 11                                   | .05                                 | 2.5                        | 9                                    | .06                                 | 18                         | 126                                  | 6.1                                 |
| 3                                                  | 1.6                        | 10                                   | .04                                 | 2.5                        | 9                                    | .06                                 | 13                         | 150                                  | 5.3                                 |
| 4                                                  | 1.5                        | 11                                   | .04                                 | 2.2                        | 10                                   | .06                                 | 13                         | 122                                  | 4.3                                 |
| 5                                                  | 1.5                        | 13                                   | .05                                 | 1.8                        | 11                                   | .05                                 | 13                         | 69                                   | 3.1                                 |
| 6                                                  | 1.5                        | 14                                   | .06                                 | 1.8                        | 11                                   | .05                                 | 75                         | 87                                   | 18                                  |
| 7                                                  | 1.5                        | 15                                   | .06                                 | 1.8                        | 8                                    | .04                                 | 137                        | 82                                   | 30                                  |
| 8                                                  | 1.5                        | 14                                   | .06                                 | 1.6                        | 10                                   | .04                                 | 80                         | 78                                   | 17                                  |
| 9                                                  | 1.5                        | 11                                   | .04                                 | 1.8                        | 11                                   | .05                                 | 47                         | 81                                   | 10                                  |
| 10                                                 | 1.6                        | 10                                   | .04                                 | 6.1                        | 11                                   | .18                                 | 32                         | 87                                   | 7.5                                 |
| 11                                                 | 1.6                        | 10                                   | .04                                 | 7.8                        | 12                                   | .25                                 | 24                         | 87                                   | 5.6                                 |
| 12                                                 | 1.6                        | 11                                   | .05                                 | 12                         | 10                                   | .32                                 | 19                         | 66                                   | 3.4                                 |
| 13                                                 | 1.7                        | 12                                   | .06                                 | 7.2                        | 10                                   | .19                                 | 15                         | 58                                   | 2.3                                 |
| 14                                                 | 1.8                        | 11                                   | .05                                 | 6.6                        | 10                                   | .18                                 | 13                         | 59                                   | 2.1                                 |
| 15                                                 | 1.8                        | 13                                   | .06                                 | 3.1                        | 12                                   | .10                                 | 12                         | 51                                   | 1.7                                 |
| 16                                                 | 1.8                        | 17                                   | .08                                 | 6.6                        | 20                                   | .36                                 | 9.1                        | 52                                   | 1.3                                 |
| 17                                                 | 2.2                        | 12                                   | .07                                 | 9.8                        | 19                                   | .50                                 | 8.6                        | 46                                   | 1.1                                 |
| 18                                                 | 1.8                        | 17                                   | .08                                 | 19                         | 23                                   | 1.2                                 | 7.2                        | 57                                   | 1.1                                 |
| 19                                                 | 1.8                        | 22                                   | .11                                 | 23                         | 19                                   | 1.2                                 | 6.1                        | 53                                   | .87                                 |
| 20                                                 | 1.7                        | 18                                   | .08                                 | 19                         | 16                                   | .82                                 | 5.6                        | 41                                   | .62                                 |
| 21                                                 | 2.2                        | 11                                   | .07                                 | 19                         | 18                                   | .92                                 | 6.6                        | 45                                   | .80                                 |
| 22                                                 | 2.0                        | 9                                    | .05                                 | 37                         | 23                                   | 2.3                                 | 7.2                        | 38                                   | .74                                 |
| 23                                                 | 2.0                        | 12                                   | .06                                 | 146                        | 44                                   | 17                                  | 7.8                        | 32                                   | .67                                 |
| 24                                                 | 2.0                        | 9                                    | .05                                 | 314                        | 115                                  | 97                                  | 6.1                        | 41                                   | .68                                 |
| 25                                                 | 2.2                        | 9                                    | .05                                 | 340                        | 199                                  | 183                                 | 6.6                        | 35                                   | .62                                 |
| 26                                                 | 2.2                        | 10                                   | .06                                 | 199                        | 230                                  | 124                                 | 5.6                        | 33                                   | .50                                 |
| 27                                                 | 2.5                        | 11                                   | .07                                 | 73                         | 179                                  | 35                                  | 5.6                        | 28                                   | .42                                 |
| 28                                                 | 2.5                        | 12                                   | .08                                 | 40                         | 119                                  | 13                                  | 5.1                        | 25                                   | .34                                 |
| 29                                                 | 2.8                        | 11                                   | .08                                 | ---                        | ---                                  | ---                                 | 5.1                        | 28                                   | .39                                 |
| 30                                                 | 2.5                        | 10                                   | .07                                 | ---                        | ---                                  | ---                                 | 5.6                        | 24                                   | .36                                 |
| 31                                                 | 2.2                        | 10                                   | .06                                 | ---                        | ---                                  | ---                                 | 4.6                        | 23                                   | .29                                 |
| TOTAL                                              | 58.4                       | ---                                  | 1.85                                | 1306.4                     | ---                                  | 477.98                              | 640.5                      | ---                                  | 138.20                              |
| APRIL 1981                                         |                            |                                      | MAY 1981                            |                            |                                      | JUNE 1981                           |                            |                                      |                                     |
| 1                                                  | 3.8                        | 27                                   | .28                                 | 12                         | 76                                   | 2.5                                 | 228                        | 327                                  | 201                                 |
| 2                                                  | 3.1                        | 24                                   | .20                                 | 7.8                        | 70                                   | 1.5                                 | 95                         | 227                                  | 58                                  |
| 3                                                  | 3.4                        | 19                                   | .17                                 | 6.1                        | 70                                   | 1.2                                 | 165                        | 164                                  | 73                                  |
| 4                                                  | 2.8                        | 12                                   | .09                                 | 5.6                        | 63                                   | .95                                 | 58                         | 128                                  | 24                                  |
| 5                                                  | 3.1                        | 18                                   | .15                                 | 5.1                        | 66                                   | .91                                 | 58                         | 128                                  | 20                                  |
| 6                                                  | 3.4                        | 18                                   | .17                                 | 3.8                        | 59                                   | .61                                 | 48                         | 156                                  | 20                                  |
| 7                                                  | 3.8                        | 20                                   | .21                                 | 72                         | 59                                   | 11                                  | 47                         | 119                                  | 15                                  |
| 8                                                  | 2.9                        | 32                                   | .25                                 | 55                         | 77                                   | 11                                  | 68                         | 64                                   | 12                                  |
| 9                                                  | 2.3                        | 21                                   | .13                                 | 27                         | 65                                   | 4.7                                 | 51                         | 55                                   | 7.6                                 |
| 10                                                 | 2.1                        | 13                                   | .07                                 | 40                         | 134                                  | 33                                  | 46                         | 55                                   | 6.8                                 |
| 11                                                 | 23                         | 19                                   | 1.2                                 | 1240                       | 1070                                 | 3580                                | 47                         | 55                                   | 7.0                                 |
| 12                                                 | 44                         | 24                                   | 2.9                                 | 1150                       | 554                                  | 1720                                | 50                         | 74                                   | 10                                  |
| 13                                                 | 32                         | 56                                   | 5.1                                 | 435                        | 240                                  | 282                                 | 50                         | 46                                   | 6.2                                 |
| 14                                                 | 40                         | 25                                   | 2.7                                 | 1140                       | 801                                  | 2470                                | 120                        | 56                                   | 18                                  |
| 15                                                 | 449                        | 835                                  | 1010                                | 2250                       | 1150                                 | 6990                                | 271                        | 149                                  | 109                                 |
| 16                                                 | 470                        | 1570                                 | 1990                                | 2120                       | 622                                  | 3560                                | 895                        | 448                                  | 1080                                |
| 17                                                 | 123                        | 760                                  | 252                                 | 1940                       | 428                                  | 2240                                | 1700                       | 775                                  | 3560                                |
| 18                                                 | 46                         | 238                                  | 30                                  | 4870                       | 1410                                 | 18500                               | 469                        | 328                                  | 415                                 |
| 19                                                 | 43                         | 153                                  | 18                                  | 8620                       | 1090                                 | 25400                               | 126                        | 160                                  | 54                                  |
| 20                                                 | 769                        | 885                                  | 1840                                | 8900                       | 495                                  | 11900                               | 240                        | 210                                  | 113                                 |
| 21                                                 | 676                        | 730                                  | 1330                                | 5450                       | 340                                  | 5000                                | 2340                       | 1900                                 | 12300                               |
| 22                                                 | 288                        | 213                                  | 166                                 | 1450                       | 276                                  | 1080                                | 3280                       | 1000                                 | 8860                                |
| 23                                                 | 485                        | 261                                  | 342                                 | 446                        | 375                                  | 452                                 | 921                        | 340                                  | 845                                 |
| 24                                                 | 471                        | 243                                  | 309                                 | 667                        | 931                                  | 1680                                | 201                        | 166                                  | 90                                  |
| 25                                                 | 201                        | 255                                  | 138                                 | 330                        | 394                                  | 351                                 | 2510                       | 2400                                 | 16300                               |
| 26                                                 | 86                         | 191                                  | 44                                  | 228                        | 206                                  | 127                                 | 3520                       | 1180                                 | 11200                               |
| 27                                                 | 49                         | 180                                  | 24                                  | 160                        | 126                                  | 54                                  | 4940                       | 550                                  | 7340                                |
| 28                                                 | 33                         | 91                                   | 8.1                                 | 128                        | 126                                  | 44                                  | 2580                       | 342                                  | 2360                                |
| 29                                                 | 22                         | 84                                   | 5.0                                 | 144                        | 70                                   | 27                                  | 255                        | 247                                  | 170                                 |
| 30                                                 | 16                         | 102                                  | 4.4                                 | 301                        | 81                                   | 66                                  | 399                        | 324                                  | 349                                 |
| 31                                                 | ---                        | ---                                  | ---                                 | 1010                       | 136                                  | 371                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                              | 4396.7                     | ---                                  | 7522.12                             | 43263.4                    | ---                                  | 85961.37                            | 25748                      | ---                                  | 65643.6                             |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TONS/DAY) |
|----------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05506500 Middle Fork Salt River at Paris, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JULY 1981                                          |                            |                                 |                                     | AUGUST 1981                |                                 |                                     | SEPTEMBER 1981             |                                 |                                     |
| 1                                                  | 644                        | 639                             | 1110                                | 201                        | 412                             | 224                                 | 23                         | 46                              | 2.9                                 |
| 2                                                  | 472                        | 904                             | 1160                                | 158                        | 1700                            | 725                                 | 13                         | 41                              | 1.4                                 |
| 3                                                  | 143                        | 393                             | 152                                 | 1310                       | 505                             | 2000                                | 9.0                        | 40                              | .97                                 |
| 4                                                  | 274                        | 700                             | 518                                 | 509                        | 1380                            | 1400                                | 6.7                        | 63                              | 1.1                                 |
| 5                                                  | 1750                       | 2080                            | 9830                                | 1000                       | 243                             | 791                                 | 5.9                        | 78                              | 1.2                                 |
| 6                                                  | 1930                       | 385                             | 2010                                | 275                        | 152                             | 113                                 | 7.0                        | 76                              | 1.4                                 |
| 7                                                  | 2100                       | 395                             | 2240                                | 97                         | 127                             | 33                                  | 5.1                        | 74                              | 1.0                                 |
| 8                                                  | 924                        | 135                             | 337                                 | 63                         | 102                             | 17                                  | 7.6                        | 62                              | 1.3                                 |
| 9                                                  | 104                        | 58                              | 16                                  | 49                         | 51                              | 6.7                                 | 5.8                        | 49                              | .77                                 |
| 10                                                 | 55                         | 48                              | 7.1                                 | 40                         | 449                             | 46                                  | 5.1                        | 57                              | .78                                 |
| 11                                                 | 41                         | 78                              | 8.6                                 | 35                         | 123                             | 12                                  | 4.6                        | 70                              | .67                                 |
| 12                                                 | 32                         | 68                              | 5.9                                 | 33                         | 31                              | 2.0                                 | 5.3                        | 63                              | 1.2                                 |
| 13                                                 | 23                         | 49                              | 3.0                                 | 28                         | 31                              | 2.3                                 | 4.7                        | 79                              | 1.0                                 |
| 14                                                 | 17                         | 59                              | 2.7                                 | 25                         | 26                              | 1.6                                 | 6.0                        | 59                              | .96                                 |
| 15                                                 | 13                         | 59                              | 2.1                                 | 22                         | 22                              | 1.3                                 | 178                        | 507                             | 273                                 |
| 16                                                 | 9.4                        | 39                              | 1.0                                 | 20                         | 30                              | 1.0                                 | 26                         | 504                             | 41                                  |
| 17                                                 | 6.4                        | 74                              | 1.3                                 | 18                         | 26                              | 1.3                                 | 20                         | 518                             | 26                                  |
| 18                                                 | 250                        | 285                             | 192                                 | 16                         | 31                              | 1.3                                 | 27                         | 364                             | 27                                  |
| 19                                                 | 862                        | 1190                            | 2770                                | 15                         | 30                              | 1.2                                 | 16                         | 181                             | 7.8                                 |
| 20                                                 | 990                        | 1210                            | 3230                                | 13                         | 28                              | .98                                 | 10                         | 127                             | 3.4                                 |
| 21                                                 | 289                        | 370                             | 289                                 | 13                         | 28                              | .98                                 | 7.5                        | 160                             | 3.2                                 |
| 22                                                 | 97                         | 178                             | 47                                  | 13                         | 26                              | .91                                 | 6.3                        | 143                             | 2.4                                 |
| 23                                                 | 2380                       | 3170                            | 20400                               | 12                         | 25                              | .81                                 | 4.1                        | 111                             | 1.2                                 |
| 24                                                 | 4640                       | 1420                            | 17800                               | 12                         | 31                              | 1.0                                 | 2.8                        | 67                              | .66                                 |
| 25                                                 | 6150                       | 824                             | 13700                               | 19                         | 16                              | .62                                 | 2.4                        | 73                              | .47                                 |
| 26                                                 | 6930                       | 744                             | 13900                               | 17                         | 26                              | 1.2                                 | 2.8                        | 66                              | .50                                 |
| 27                                                 | 8690                       | 598                             | 14000                               | 19                         | 38                              | 1.9                                 | 22                         | 63                              | 4.9                                 |
| 28                                                 | 10700                      | 442                             | 12800                               | 14                         | 32                              | 2.0                                 | 35                         | 63                              | 7.8                                 |
| 29                                                 | 8580                       | 338                             | 7830                                | 13                         | 60                              | 2.1                                 | 24                         | 63                              | 4.1                                 |
| 30                                                 | 4930                       | 257                             | 3420                                | 14                         | 60                              | 2.3                                 | 16                         | 56                              | 2.4                                 |
| 31                                                 | 1060                       | 171                             | 489                                 | 18                         | 42                              | 2.0                                 | ---                        | ---                             | ---                                 |
| TOTAL                                              | 65085.8                    | ---                             | 128271.7                            | 4091                       | ---                             | 5900.30                             | 508.7                      | ---                             | 424.68                              |
| YEAR                                               | 147271.48                  | ---                             | 295573.63                           | ---                        | ---                             | ---                                 | ---                        | ---                             | ---                                 |
| OCTOBER 1981                                       |                            |                                 |                                     | NOVEMBER 1981              |                                 |                                     | DECEMBER 1981              |                                 |                                     |
| 1                                                  | 14                         | 25                              | .95                                 | 301                        | 405                             | 329                                 | 224                        | 43                              | 26                                  |
| 2                                                  | 6.1                        | 27                              | .44                                 | 2120                       | 888                             | 5060                                | 429                        | 70                              | 81                                  |
| 3                                                  | 4.0                        | 23                              | .25                                 | 2340                       | 558                             | 3530                                | 247                        | 101                             | 67                                  |
| 4                                                  | 2.7                        | 28                              | .20                                 | 2620                       | 475                             | 3360                                | 125                        | 56                              | 19                                  |
| 5                                                  | 3.4                        | 21                              | .19                                 | 2200                       | 340                             | 2020                                | 82                         | 46                              | 10                                  |
| 6                                                  | 3.8                        | 25                              | .26                                 | 1500                       | 176                             | 713                                 | 64                         | 40                              | 6.9                                 |
| 7                                                  | 5.6                        | 30                              | .45                                 | 272                        | 33                              | 24                                  | 35                         | 36                              | 5.3                                 |
| 8                                                  | 5.7                        | 25                              | .38                                 | 154                        | 33                              | 14                                  | 49                         | 37                              | 4.9                                 |
| 9                                                  | 4.6                        | 20                              | .25                                 | 110                        | 30                              | 8.9                                 | 44                         | 46                              | 3.5                                 |
| 10                                                 | 4.6                        | 22                              | .27                                 | 84                         | 29                              | 6.6                                 | 41                         | 34                              | 3.8                                 |
| 11                                                 | 7.8                        | 26                              | .55                                 | 71                         | 23                              | 4.4                                 | 37                         | 30                              | 3.0                                 |
| 12                                                 | 13                         | 35                              | 1.2                                 | 63                         | 29                              | 4.9                                 | 35                         | 30                              | 2.8                                 |
| 13                                                 | 18                         | 29                              | 1.4                                 | 56                         | 19                              | 2.9                                 | 35                         | 29                              | 2.7                                 |
| 14                                                 | 67                         | 24                              | 4.3                                 | 49                         | 18                              | 2.4                                 | 33                         | 28                              | 2.5                                 |
| 15                                                 | 137                        | 31                              | 11                                  | 47                         | 17                              | 2.2                                 | 32                         | 28                              | 2.4                                 |
| 16                                                 | 222                        | 25                              | 15                                  | 49                         | 18                              | 2.4                                 | 30                         | 18                              | 1.5                                 |
| 17                                                 | 122                        | 43                              | 14                                  | 45                         | 31                              | 3.8                                 | 24                         | 18                              | 1.2                                 |
| 18                                                 | 72                         | 57                              | 11                                  | 40                         | 17                              | 1.8                                 | 25                         | 20                              | 1.4                                 |
| 19                                                 | 46                         | 46                              | 5.7                                 | 39                         | 14                              | 1.5                                 | 20                         | 24                              | 1.3                                 |
| 20                                                 | 50                         | 45                              | 6.1                                 | 45                         | 15                              | 1.8                                 | 16                         | 20                              | .86                                 |
| 21                                                 | 36                         | 50                              | 4.9                                 | 42                         | 18                              | 2.0                                 | 19                         | 22                              | 1.1                                 |
| 22                                                 | 28                         | 34                              | 2.6                                 | 36                         | 23                              | 2.2                                 | 24                         | 24                              | 1.6                                 |
| 23                                                 | 35                         | 26                              | 2.5                                 | 36                         | 14                              | 1.4                                 | 28                         | 38                              | 2.4                                 |
| 24                                                 | 27                         | 30                              | 2.2                                 | 37                         | 17                              | 1.7                                 | 30                         | 36                              | 2.9                                 |
| 25                                                 | 18                         | 33                              | 1.6                                 | 33                         | 21                              | 1.9                                 | 33                         | 33                              | 2.9                                 |
| 26                                                 | 17                         | 28                              | 1.3                                 | 40                         | 24                              | 2.6                                 | 35                         | 32                              | 3.0                                 |
| 27                                                 | 15                         | 24                              | .97                                 | 36                         | 26                              | 2.5                                 | 36                         | 46                              | 4.5                                 |
| 28                                                 | 7.8                        | 22                              | .46                                 | 32                         | 22                              | 1.9                                 | 37                         | 52                              | 5.2                                 |
| 29                                                 | 5.6                        | 22                              | .33                                 | 28                         | 21                              | 1.6                                 | 37                         | 58                              | 5.8                                 |
| 30                                                 | 5.1                        | 18                              | .25                                 | 53                         | 24                              | 3.4                                 | 35                         | 72                              | 6.6                                 |
| 31                                                 | 8.4                        | 17                              | .39                                 | ---                        | ---                             | ---                                 | 33                         | 33                              | 2.9                                 |
| TOTAL                                              | 1012.2                     | ---                             | 91.39                               | 12578                      | ---                             | 15134.8                             | 1994                       | ---                             | 286.66                              |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|----------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05506500 Middle Fork Salt River at Paris, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JANUARY 1982                                       |                            |                                 | FEBRUARY 1982                       |                            |                                 | MARCH 1982                          |                            |                                 |                                     |
| 1                                                  | 32                         | 40                              | 3.5                                 | 3350                       | 54                              | 408                                 | 173                        | 65                              | 30                                  |
| 2                                                  | 32                         | 39                              | 3.4                                 | 2180                       | 70                              | 412                                 | 168                        | 39                              | 18                                  |
| 3                                                  | 33                         | 35                              | 3.1                                 | 1260                       | 71                              | 242                                 | 180                        | 40                              | 19                                  |
| 4                                                  | 37                         | 51                              | 5.1                                 | 443                        | 50                              | 60                                  | 340                        | 55                              | 50                                  |
| 5                                                  | 39                         | 31                              | 3.3                                 | 292                        | 58                              | 46                                  | 446                        | 64                              | 101                                 |
| 6                                                  | 42                         | 52                              | 5.9                                 | 228                        | 36                              | 22                                  | 268                        | 75                              | 58                                  |
| 7                                                  | 43                         | 44                              | 5.1                                 | 151                        | 36                              | 15                                  | 243                        | 69                              | 45                                  |
| 8                                                  | 37                         | 48                              | 4.8                                 | 111                        | 52                              | 9.6                                 | 246                        | 60                              | 40                                  |
| 9                                                  | 30                         | 29                              | 2.3                                 | 90                         | 36                              | 8.7                                 | 105                        | 60                              | 27                                  |
| 10                                                 | 23                         | 44                              | 2.7                                 | 83                         | 30                              | 6.7                                 | 151                        | 48                              | 20                                  |
| 11                                                 | 17                         | 64                              | 2.9                                 | 62                         | 51                              | 8.5                                 | 148                        | 41                              | 16                                  |
| 12                                                 | 13                         | 46                              | 1.6                                 | 54                         | 62                              | 9.0                                 | 291                        | 39                              | 31                                  |
| 13                                                 | 11                         | 58                              | 1.7                                 | 48                         | 50                              | 6.5                                 | 454                        | 41                              | 20                                  |
| 14                                                 | 10                         | 60                              | 1.6                                 | 52                         | 42                              | 5.9                                 | 658                        | 358                             | 788                                 |
| 15                                                 | 9.8                        | 50                              | 1.3                                 | 151                        | 109                             | 66                                  | 2190                       | 2060                            | 12100                               |
| 16                                                 | 11                         | 67                              | 2.0                                 | 1310                       | 107                             | 591                                 | 3400                       | 2290                            | 20500                               |
| 17                                                 | 11                         | 68                              | 2.0                                 | 1680                       | 119                             | 540                                 | 3250                       | 975                             | 8500                                |
| 18                                                 | 9.8                        | 68                              | 1.8                                 | 1670                       | 131                             | 591                                 | 2310                       | 625                             | 3900                                |
| 19                                                 | 18                         | 56                              | 2.7                                 | 2020                       | 126                             | 607                                 | 1140                       | 911                             | 2800                                |
| 20                                                 | 22                         | 58                              | 3.4                                 | 3200                       | 200                             | 2400                                | 1400                       | 1700                            | 6940                                |
| 21                                                 | 20                         | 51                              | 2.8                                 | 3790                       | 318                             | 3250                                | 980                        | 800                             | 2120                                |
| 22                                                 | 20                         | 48                              | 2.6                                 | 3160                       | 609                             | 5140                                | 496                        | 498                             | 667                                 |
| 23                                                 | 25                         | 30                              | 2.0                                 | 2060                       | 610                             | 3390                                | 291                        | 275                             | 216                                 |
| 24                                                 | 19                         | 24                              | 1.2                                 | 740                        | 174                             | 348                                 | 199                        | 180                             | 97                                  |
| 25                                                 | 28                         | 24                              | 1.8                                 | 476                        | 176                             | 226                                 | 194                        | 110                             | 58                                  |
| 26                                                 | 28                         | 34                              | 2.6                                 | 334                        | 130                             | 117                                 | 103                        | 115                             | 51                                  |
| 27                                                 | 29                         | 31                              | 2.4                                 | 257                        | 174                             | 111                                 | 124                        | 100                             | 33                                  |
| 28                                                 | 41                         | 16                              | 1.8                                 | 193                        | 115                             | 60                                  | 98                         | 75                              | 20                                  |
| 29                                                 | 234                        | 29                              | 18                                  | ---                        | ---                             | ---                                 | 84                         | 60                              | 14                                  |
| 30                                                 | 3640                       | 238                             | 2530                                | ---                        | ---                             | ---                                 | 86                         | 125                             | 29                                  |
| 31                                                 | 4360                       | 132                             | 1550                                | ---                        | ---                             | ---                                 | 132                        | 95                              | 34                                  |
| TOTAL                                              | 8924.6                     | ---                             | 4175.4                              | 29485                      | ---                             | 18916.9                             | 20548                      | ---                             | 59432                               |
| APRIL 1982                                         |                            |                                 | MAY 1982                            |                            |                                 | JUNE 1982                           |                            |                                 |                                     |
| 1                                                  | 112                        | 95                              | 29                                  | 29                         | 50                              | 3.9                                 | 2440                       | 960                             | 6320                                |
| 2                                                  | 110                        | 145                             | 43                                  | 27                         | 40                              | 2.9                                 | 1870                       | 410                             | 2070                                |
| 3                                                  | 383                        | 210                             | 217                                 | 26                         | 35                              | 2.5                                 | 950                        | 403                             | 1010                                |
| 4                                                  | 246                        | 320                             | 213                                 | 26                         | 30                              | 2.1                                 | 225                        | 135                             | 94                                  |
| 5                                                  | 160                        | 280                             | 121                                 | 26                         | 75                              | 5.3                                 | 144                        | 157                             | 61                                  |
| 6                                                  | 160                        | 200                             | 86                                  | 31                         | 60                              | 5.0                                 | 152                        | 154                             | 55                                  |
| 7                                                  | 135                        | 70                              | 26                                  | 300                        | 70                              | 57                                  | 249                        | 197                             | 132                                 |
| 8                                                  | 126                        | 75                              | 26                                  | 264                        | 120                             | 86                                  | 764                        | 1640                            | 3380                                |
| 9                                                  | 118                        | 60                              | 19                                  | 121                        | 215                             | 70                                  | 4210                       | 2420                            | 27500                               |
| 10                                                 | 122                        | 70                              | 23                                  | 70                         | 130                             | 25                                  | 5050                       | 800                             | 10900                               |
| 11                                                 | 122                        | 48                              | 16                                  | 48                         | 125                             | 16                                  | 3600                       | 490                             | 4760                                |
| 12                                                 | 112                        | 50                              | 15                                  | 38                         | 110                             | 11                                  | 2050                       | 398                             | 2200                                |
| 13                                                 | 100                        | 50                              | 13                                  | 31                         | 100                             | 8.4                                 | 519                        | 202                             | 263                                 |
| 14                                                 | 83                         | 54                              | 12                                  | 31                         | 90                              | 7.5                                 | 168                        | 132                             | 67                                  |
| 15                                                 | 70                         | 70                              | 13                                  | 67                         | 87                              | 16                                  | 125                        | 65                              | 29                                  |
| 16                                                 | 93                         | 75                              | 19                                  | 284                        | 178                             | 136                                 | 201                        | 75                              | 41                                  |
| 17                                                 | 126                        | 210                             | 71                                  | 472                        | 270                             | 344                                 | 367                        | 87                              | 86                                  |
| 18                                                 | 107                        | 240                             | 69                                  | 368                        | 327                             | 325                                 | 201                        | 125                             | 68                                  |
| 19                                                 | 141                        | 95                              | 36                                  | 249                        | 436                             | 293                                 | 132                        | 142                             | 51                                  |
| 20                                                 | 104                        | 60                              | 22                                  | 196                        | 240                             | 127                                 | 238                        | 111                             | 71                                  |
| 21                                                 | 74                         | 80                              | 16                                  | 170                        | 162                             | 74                                  | 115                        | 87                              | 27                                  |
| 22                                                 | 62                         | 60                              | 10                                  | 151                        | 171                             | 70                                  | 59                         | 78                              | 12                                  |
| 23                                                 | 51                         | 90                              | 12                                  | 165                        | 306                             | 136                                 | 41                         | 62                              | 9.1                                 |
| 24                                                 | 44                         | 60                              | 7.1                                 | 108                        | 270                             | 79                                  | 31                         | 62                              | 6.9                                 |
| 25                                                 | 40                         | 75                              | 8.1                                 | 73                         | 156                             | 31                                  | 25                         | 57                              | 3.6                                 |
| 26                                                 | 40                         | 200                             | 22                                  | 593                        | 362                             | 580                                 | 23                         | 51                              | 3.2                                 |
| 27                                                 | 37                         | 140                             | 14                                  | 867                        | 550                             | 1320                                | 399                        | 48                              | 52                                  |
| 28                                                 | 33                         | 40                              | 8.0                                 | 543                        | 328                             | 481                                 | 593                        | 142                             | 227                                 |
| 29                                                 | 31                         | 60                              | 5.0                                 | 178                        | 166                             | 80                                  | 311                        | 443                             | 372                                 |
| 30                                                 | 30                         | 50                              | 4.1                                 | 391                        | 448                             | 473                                 | 135                        | 454                             | 165                                 |
| 31                                                 | ---                        | ---                             | ---                                 | 1600                       | 1430                            | 5480                                | ---                        | ---                             | ---                                 |
| TOTAL                                              | 3172                       | ---                             | 1195.3                              | 7563                       | ---                             | 10347.6                             | 25347                      | ---                             | 60056.0                             |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                                | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|----------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05506500 Middle Fork Salt River et Peris, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JULY 1982                                          |                            |                                      |                                     | AUGUST 1982                |                                      |                                     | SEPTEMBER 1982             |                                      |                                     |
| 1                                                  | 76                         | 438                                  | 90                                  | 13                         | 44                                   | 3.3                                 | 1040                       | 526                                  | 1480                                |
| 2                                                  | 83                         | 318                                  | 71                                  | 9.6                        | 84                                   | 2.2                                 | 2470                       | 1720                                 | 11300                               |
| 3                                                  | 174                        | 182                                  | 86                                  | 6.8                        | 66                                   | 1.2                                 | 3250                       | 590                                  | 5180                                |
| 4                                                  | 90                         | 121                                  | 29                                  | 5.3                        | 52                                   | .74                                 | 2520                       | 300                                  | 2040                                |
| 5                                                  | 57                         | 110                                  | 17                                  | 4.1                        | 50                                   | .55                                 | 724                        | 170                                  | 332                                 |
| 6                                                  | 73                         | 140                                  | 28                                  | 3.9                        | 62                                   | .65                                 | 168                        | 63                                   | 38                                  |
| 7                                                  | 46                         | 162                                  | 20                                  | 17                         | 40                                   | 1.8                                 | 107                        | 62                                   | 18                                  |
| 8                                                  | 27                         | 104                                  | 7.6                                 | 29                         | 52                                   | 4.1                                 | 83                         | 60                                   | 13                                  |
| 9                                                  | 20                         | 64                                   | 4.5                                 | 16                         | 50                                   | 2.2                                 | 87                         | 55                                   | 13                                  |
| 10                                                 | 222                        | 471                                  | 282                                 | 23                         | 77                                   | 4.8                                 | 84                         | 52                                   | 12                                  |
| 11                                                 | 703                        | 706                                  | 1340                                | 106                        | 87                                   | 25                                  | 61                         | 48                                   | 7.9                                 |
| 12                                                 | 158                        | 240                                  | 102                                 | 37                         | 42                                   | 9.2                                 | 48                         | 48                                   | 6.2                                 |
| 13                                                 | 63                         | 148                                  | 25                                  | 42                         | 41                                   | 10                                  | 39                         | 55                                   | 5.8                                 |
| 14                                                 | 196                        | 201                                  | 106                                 | 29                         | 100                                  | 7.8                                 | 38                         | 53                                   | 5.4                                 |
| 15                                                 | 1430                       | 1420                                 | 5480                                | 1150                       | 428                                  | 2120                                | 33                         | 47                                   | 4.2                                 |
| 16                                                 | 481                        | 675                                  | 1240                                | 1500                       | 960                                  | 3970                                | 36                         | 60                                   | 5.8                                 |
| 17                                                 | 363                        | 460                                  | 451                                 | 1200                       | 720                                  | 2330                                | 28                         | 65                                   | 4.9                                 |
| 18                                                 | 126                        | 285                                  | 97                                  | 1730                       | 560                                  | 2620                                | 26                         | 60                                   | 4.2                                 |
| 19                                                 | 64                         | 187                                  | 32                                  | 1480                       | 360                                  | 1440                                | 26                         | 55                                   | 3.9                                 |
| 20                                                 | 57                         | 178                                  | 27                                  | 206                        | 120                                  | 67                                  | 22                         | 52                                   | 3.1                                 |
| 21                                                 | 669                        | 393                                  | 710                                 | 71                         | 70                                   | 15                                  | 19                         | 71                                   | 3.6                                 |
| 22                                                 | 448                        | 520                                  | 629                                 | 45                         | 12                                   | 8.7                                 | 18                         | 46                                   | 2.2                                 |
| 23                                                 | 179                        | 310                                  | 150                                 | 34                         | 65                                   | 6.0                                 | 16                         | 53                                   | 2.3                                 |
| 24                                                 | 62                         | 218                                  | 36                                  | 29                         | 00                                   | 4.7                                 | 15                         | 50                                   | 2.0                                 |
| 25                                                 | 34                         | 166                                  | 15                                  | 24                         | 68                                   | 4.4                                 | 13                         | 67                                   | 2.4                                 |
| 26                                                 | 24                         | 154                                  | 10                                  | 45                         | 72                                   | 8.7                                 | 13                         | 51                                   | 1.8                                 |
| 27                                                 | 18                         | 145                                  | 7.0                                 | 692                        | 318                                  | 594                                 | 13                         | 58                                   | 2.0                                 |
| 28                                                 | 22                         | 148                                  | 8.8                                 | 647                        | 460                                  | 804                                 | 12                         | 57                                   | 1.8                                 |
| 29                                                 | 13                         | 144                                  | 5.1                                 | 145                        | 224                                  | 116                                 | 14                         | 60                                   | 2.3                                 |
| 30                                                 | 9.5                        | 128                                  | 3.3                                 | 1010                       | 611                                  | 2000                                | 14                         | 61                                   | 2.3                                 |
| 31                                                 | 12                         | 106                                  | 3.4                                 | 1480                       | 810                                  | 3240                                | ---                        | ---                                  | ---                                 |
| TOTAL                                              | 6199.5                     | ---                                  | 11112.7                             | 11859.7                    | ---                                  | 19422.04                            | 11057                      | ---                                  | 20500.1                             |
| YEAR                                               | 139720.0                   |                                      | 221768.89                           |                            |                                      |                                     |                            |                                      |                                     |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                               | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCENTRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|----------------------------|---------------------------------|-------------------------------------|
| 05507000 Elk Fork Salt River near Paris, Missouri |                            |                                 |                                     |                            |                                 |                                     |                            |                                 |                                     |
| JULY 1980                                         |                            |                                 |                                     | AUGUST 1980                |                                 |                                     |                            | SEPTEMBER 1980                  |                                     |
| 1                                                 |                            |                                 |                                     | ---                        | ---                             | ---                                 | .20                        | 45                              | .02                                 |
| 2                                                 |                            |                                 |                                     | ---                        | ---                             | ---                                 | .72                        | 45                              | .09                                 |
| 3                                                 |                            |                                 |                                     | ---                        | ---                             | ---                                 | .65                        | 42                              | .10                                 |
| 4                                                 |                            |                                 |                                     | ---                        | ---                             | ---                                 | .65                        | 67                              | .15                                 |
| 5                                                 |                            |                                 | .20                                 | ---                        | ---                             | ---                                 | 1.1                        | 39                              | .12                                 |
| 6                                                 |                            |                                 | .33                                 | ---                        | ---                             | ---                                 | 9.6                        | 33                              | .86                                 |
| 7                                                 |                            |                                 | .20                                 | 5                          | .00                             | 1.8                                 | .12                        | 25                              | .12                                 |
| 8                                                 |                            |                                 | .46                                 | 11                         | .01                             | .65                                 | .27                        | 27                              | .06                                 |
| 9                                                 |                            |                                 | .18                                 | 15                         | .00                             | 2.0                                 | .34                        | 34                              | .18                                 |
| 10                                                |                            |                                 | .19                                 | 30                         | .01                             | 1.5                                 | .60                        | 60                              | .24                                 |
| 11                                                |                            |                                 | .16                                 | 32                         | .01                             | 1.1                                 | .67                        | 67                              | .20                                 |
| 12                                                |                            |                                 | .16                                 | 38                         | .02                             | .85                                 | .49                        | 49                              | .11                                 |
| 13                                                |                            |                                 | .16                                 | 48                         | .02                             | .72                                 | .44                        | 44                              | .09                                 |
| 14                                                |                            |                                 | .12                                 | 36                         | .01                             | .65                                 | .44                        | 44                              | .10                                 |
| 15                                                |                            |                                 | .59                                 | 24                         | .04                             | .65                                 | .45                        | 45                              | .10                                 |
| 16                                                |                            |                                 | .18                                 | 6                          | .00                             | .72                                 | .43                        | 43                              | .08                                 |
| 17                                                |                            |                                 | .65                                 | 1                          | .00                             | .65                                 | .44                        | 44                              | .10                                 |
| 18                                                |                            |                                 | .65                                 | 1                          | .00                             | .65                                 | .37                        | 37                              | .08                                 |
| 19                                                |                            |                                 | .65                                 | 1                          | .00                             | .72                                 | .36                        | 36                              | .07                                 |
| 20                                                |                            |                                 | .59                                 | 1                          | .00                             | .98                                 | .35                        | 35                              | .09                                 |
| 21                                                |                            |                                 | .46                                 | 5                          | .00                             | .65                                 | .46                        | 46                              | .11                                 |
| 22                                                |                            |                                 | .33                                 | 22                         | .02                             | .72                                 | .70                        | 70                              | .14                                 |
| 23                                                |                            |                                 | .18                                 | 33                         | .02                             | .65                                 | .66                        | 66                              | .20                                 |
| 24                                                |                            |                                 | .16                                 | 27                         | .01                             | .65                                 | .57                        | 57                              | .13                                 |
| 25                                                |                            |                                 | .10                                 | 12                         | .00                             | .98                                 | .50                        | 50                              | .13                                 |
| 26                                                |                            |                                 | .14                                 | 17                         | .00                             | .65                                 | .54                        | 54                              | .12                                 |
| 27                                                |                            |                                 | .12                                 | 29                         | .00                             | .72                                 | .46                        | 46                              | .09                                 |
| 28                                                |                            |                                 | .12                                 | 40                         | .01                             | .72                                 | .39                        | 39                              | .08                                 |
| 29                                                |                            |                                 | .18                                 | 42                         | .02                             | .46                                 | .32                        | 32                              | .04                                 |
| 30                                                |                            |                                 | .14                                 | 42                         | .02                             | .59                                 | .63                        | 63                              | .10                                 |
| 31                                                |                            |                                 | .14                                 | 44                         | .02                             | ---                                 | ---                        | ---                             | ---                                 |
| TOTAL                                             |                            |                                 |                                     | 8.13                       | ---                             | 0.24                                | 35.55                      | ---                             | 4.10                                |
| YEAR                                              | 43.68                      |                                 | 4.34                                |                            |                                 |                                     |                            |                                 |                                     |
| OCTOBER 1980                                      |                            |                                 |                                     | NOVEMBER 1980              |                                 |                                     |                            | DECEMBER 1980                   |                                     |
| 1                                                 | .72                        | 53                              | .10                                 | 1.4                        | 102                             | .39                                 | 1.8                        | 27                              | .13                                 |
| 2                                                 | .59                        | 49                              | .08                                 | .72                        | 57                              | .11                                 | 1.1                        | 44                              | .13                                 |
| 3                                                 | .59                        | 52                              | .08                                 | .72                        | 84                              | .16                                 | .65                        | 79                              | .18                                 |
| 4                                                 | .33                        | 37                              | .03                                 | 2.8                        | 134                             | 1.0                                 | .78                        | 44                              | .09                                 |
| 5                                                 | .20                        | 30                              | .02                                 | 2.5                        | 160                             | 1.1                                 | .72                        | 43                              | .08                                 |
| 6                                                 | .18                        | 42                              | .02                                 | 1.0                        | 169                             | .51                                 | .59                        | 173                             | .28                                 |
| 7                                                 | .16                        | 40                              | .02                                 | 1.2                        | 119                             | .39                                 | .59                        | 226                             | .36                                 |
| 8                                                 | .15                        | 43                              | .02                                 | 1.4                        | 152                             | .57                                 | 1.2                        | 75                              | 2.4                                 |
| 9                                                 | .12                        | 43                              | .01                                 | 1.1                        | 128                             | .38                                 | .72                        | 52                              | 1.0                                 |
| 10                                                | .12                        | 97                              | .03                                 | .46                        | 206                             | .26                                 | 121                        | 23                              | 7.5                                 |
| 11                                                | .08                        | 124                             | .03                                 | .20                        | 126                             | .07                                 | .66                        | 3                               | .53                                 |
| 12                                                | .06                        | 67                              | .01                                 | .20                        | 226                             | .12                                 | .47                        | 1                               | .13                                 |
| 13                                                | .06                        | 82                              | .01                                 | .72                        | 202                             | .39                                 | .34                        | 6                               | .55                                 |
| 14                                                | .10                        | 48                              | .01                                 | 1.1                        | 157                             | .47                                 | .27                        | 27                              | 2.0                                 |
| 15                                                | .33                        | 50                              | .04                                 | 1.0                        | 176                             | .48                                 | .21                        | 15                              | .85                                 |
| 16                                                | .46                        | 52                              | .04                                 | 1.1                        | 62                              | .24                                 | .15                        | 4                               | .16                                 |
| 17                                                | .59                        | 40                              | .06                                 | .90                        | 38                              | .09                                 | .6.9                       | 5                               | .12                                 |
| 18                                                | .46                        | 171                             | .21                                 | .33                        | 155                             | .14                                 | .6.6                       | 4                               | .07                                 |
| 19                                                | .33                        | 74                              | .07                                 | .14                        | 66                              | .02                                 | 3.5                        | 5                               | .05                                 |
| 20                                                | 1.1                        | 183                             | .54                                 | .14                        | 97                              | .04                                 | 2.5                        | 2                               | .01                                 |
| 21                                                | 1.1                        | 132                             | .39                                 | .16                        | 174                             | .08                                 | 2.3                        | 1                               | .00                                 |
| 22                                                | .46                        | 118                             | .15                                 | .14                        | 121                             | .05                                 | 2.3                        | 1                               | .00                                 |
| 23                                                | .46                        | 70                              | .09                                 | .46                        | 1200                            | 1.5                                 | 2.3                        | 3                               | .02                                 |
| 24                                                | .60                        | 67                              | .11                                 | 1.1                        | 130                             | .39                                 | 3.3                        | 3                               | .03                                 |
| 25                                                | .46                        | 127                             | .16                                 | 4.0                        | 73                              | .79                                 | 3.6                        | 3                               | .03                                 |
| 26                                                | .25                        | 112                             | .08                                 | 5.4                        | 42                              | .61                                 | 3.6                        | 3                               | .03                                 |
| 27                                                | 2.3                        | 96                              | .60                                 | 5.4                        | 11                              | .16                                 | 3.5                        | 2                               | .02                                 |
| 28                                                | .46                        | 185                             | .23                                 | 6.1                        | 12                              | .20                                 | 3.3                        | 2                               | .02                                 |
| 29                                                | .15                        | 127                             | .05                                 | 4.7                        | 14                              | .18                                 | 3.3                        | 2                               | .02                                 |
| 30                                                | .20                        | 126                             | .07                                 | 3.3                        | 21                              | .19                                 | 3.3                        | 2                               | .02                                 |
| 31                                                | .59                        | 227                             | .36                                 | ---                        | ---                             | ---                                 | 2.6                        | 2                               | .02                                 |
| TOTAL                                             | 13.76                      | ---                             | 3.72                                | 49.89                      | ---                             | 11.08                               | 477.13                     | ---                             | 25.63                               |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                               | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05507000 Elk Fork Salt River near Paris, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JANUARY 1981                                      |                            |                                      |                                     | FEBRUARY 1981              |                                      |                                     |                            | MARCH 1981                           |                                     |
| 1                                                 | 2.5                        | 1                                    | .00                                 | 3.0                        | 7                                    | .06                                 | 3.3                        | 9                                    | .08                                 |
| 2                                                 | 2.3                        | 2                                    | .01                                 | 3.0                        | 5                                    | .04                                 | 2.2                        | 14                                   | .08                                 |
| 3                                                 | 2.2                        | 2                                    | .01                                 | 2.8                        | 3                                    | .02                                 | 2.0                        | 10                                   | .05                                 |
| 4                                                 | 2.1                        | 3                                    | .02                                 | 2.8                        | 6                                    | .05                                 | 2.5                        | 12                                   | .08                                 |
| 5                                                 | 2.0                        | 3                                    | .02                                 | 2.5                        | 6                                    | .04                                 | 3.8                        | 17                                   | .17                                 |
| 6                                                 | 1.8                        | 2                                    | .00                                 | 2.5                        | 7                                    | .05                                 | 3.4                        | 11                                   | .16                                 |
| 7                                                 | 1.8                        | 2                                    | .00                                 | 2.8                        | 6                                    | .05                                 | 6.1                        | 9                                    | .15                                 |
| 8                                                 | 1.8                        | 1                                    | .00                                 | 2.8                        | 3                                    | .02                                 | 7.5                        | 6                                    | .12                                 |
| 9                                                 | 1.5                        | 2                                    | .00                                 | 2.8                        | 1                                    | .00                                 | 12                         | 5                                    | .16                                 |
| 10                                                | 1.5                        | 2                                    | .00                                 | 3.3                        | 3                                    | .03                                 | 17                         | 9                                    | .41                                 |
| 11                                                | 1.4                        | 2                                    | .00                                 | 3.0                        | 4                                    | .03                                 | 12                         | 13                                   | .42                                 |
| 12                                                | 1.4                        | 1                                    | .00                                 | 3.0                        | 4                                    | .03                                 | 9.6                        | 17                                   | .44                                 |
| 13                                                | 1.4                        | 1                                    | .00                                 | 3.5                        | 4                                    | .04                                 | 6.8                        | 20                                   | .37                                 |
| 14                                                | 1.5                        | 2                                    | .00                                 | 3.8                        | 4                                    | .04                                 | 4.0                        | 33                                   | .36                                 |
| 15                                                | 1.5                        | 3                                    | .01                                 | 4.0                        | 3                                    | .03                                 | 2.8                        | 30                                   | .23                                 |
| 16                                                | 1.4                        | 10                                   | .04                                 | 4.0                        | 6                                    | .06                                 | 1.8                        | 27                                   | .13                                 |
| 17                                                | 1.4                        | 5                                    | .02                                 | 4.7                        | 4                                    | .05                                 | .05                        | 33                                   | .08                                 |
| 18                                                | 1.4                        | 4                                    | .02                                 | 4.7                        | 3                                    | .04                                 | .72                        | 36                                   | .07                                 |
| 19                                                | 1.4                        | 3                                    | .01                                 | 5.4                        | 3                                    | .04                                 | .59                        | 28                                   | .04                                 |
| 20                                                | 1.4                        | 4                                    | .02                                 | 8.2                        | 3                                    | .07                                 | .59                        | 33                                   | .05                                 |
| 21                                                | 1.8                        | 6                                    | .03                                 | 12                         | 4                                    | .13                                 | .59                        | 38                                   | .06                                 |
| 22                                                | 1.8                        | 3                                    | .01                                 | 9.0                        | 5                                    | .12                                 | 1.4                        | 31                                   | .12                                 |
| 23                                                | 1.8                        | 5                                    | .02                                 | 8.2                        | 6                                    | .13                                 | 1.1                        | 24                                   | .07                                 |
| 24                                                | 1.8                        | 4                                    | .02                                 | 15                         | 7                                    | .28                                 | 1.0                        | 42                                   | .11                                 |
| 25                                                | 2.3                        | 6                                    | .04                                 | 27                         | 12                                   | .87                                 | 1.0                        | 36                                   | .10                                 |
| 26                                                | 2.3                        | 4                                    | .02                                 | 26                         | 22                                   | 1.5                                 | 1.1                        | 32                                   | .10                                 |
| 27                                                | 2.5                        | 6                                    | .04                                 | 11                         | 17                                   | .50                                 | 1.5                        | 33                                   | .13                                 |
| 28                                                | 2.5                        | 5                                    | .03                                 | 6.1                        | 8                                    | .13                                 | 5.4                        | 30                                   | .44                                 |
| 29                                                | 2.5                        | 7                                    | .05                                 | ---                        | ---                                  | ---                                 | 3.0                        | 36                                   | .29                                 |
| 30                                                | 2.5                        | 6                                    | .04                                 | ---                        | ---                                  | ---                                 | 2.0                        | 37                                   | .20                                 |
| 31                                                | 2.5                        | 5                                    | .03                                 | ---                        | ---                                  | ---                                 | 1.6                        | 40                                   | .19                                 |
| TOTAL                                             | 58.0                       | ---                                  | 0.51                                | 186.9                      | ---                                  | 4.45                                | 121.44                     | ---                                  | 5.46                                |
| APRIL 1981                                        |                            |                                      |                                     | MAY 1981                   |                                      |                                     |                            | JUNE 1981                            |                                     |
| 1                                                 | 1.5                        | 49                                   | .20                                 | 2.3                        | 57                                   | .35                                 | 38                         | 90                                   | 9.2                                 |
| 2                                                 | 1.5                        | 63                                   | .26                                 | 1.3                        | 52                                   | .18                                 | 31                         | 90                                   | 7.5                                 |
| 3                                                 | 1.4                        | 53                                   | .20                                 | .66                        | 61                                   | .11                                 | 64                         | 90                                   | 16                                  |
| 4                                                 | 1.4                        | 65                                   | .25                                 | .50                        | 56                                   | .08                                 | 39                         | 80                                   | 8.4                                 |
| 5                                                 | 1.3                        | 53                                   | .19                                 | .58                        | 63                                   | .10                                 | 29                         | 100                                  | 7.8                                 |
| 6                                                 | 1.1                        | 45                                   | .13                                 | .48                        | 69                                   | .09                                 | 32                         | 60                                   | 6.9                                 |
| 7                                                 | 1.0                        | 50                                   | .14                                 | .38                        | 63                                   | .06                                 | 34                         | 90                                   | 8.3                                 |
| 8                                                 | 1.1                        | 83                                   | .25                                 | .66                        | 61                                   | .11                                 | 27                         | 90                                   | 6.6                                 |
| 9                                                 | 1.1                        | 83                                   | .25                                 | 2.2                        | 84                                   | .50                                 | 21                         | 80                                   | 4.5                                 |
| 10                                                | 1.0                        | 74                                   | .20                                 | 15                         | 142                                  | 3.8                                 | 17                         | 100                                  | 4.6                                 |
| 11                                                | 1.1                        | 72                                   | .21                                 | 327                        | 198                                  | 175                                 | 15                         | 100                                  | 4.1                                 |
| 12                                                | 1.4                        | 72                                   | .27                                 | 163                        | 120                                  | 53                                  | 15                         | 140                                  | 5.7                                 |
| 13                                                | 1.8                        | 59                                   | .29                                 | 47                         | 93                                   | 12                                  | 23                         | 270                                  | 17                                  |
| 14                                                | 32                         | 55                                   | 4.8                                 | 373                        | 236                                  | 236                                 | 27                         | 260                                  | 20                                  |
| 15                                                | 15                         | 55                                   | 2.2                                 | 733                        | 488                                  | 966                                 | 32                         | 400                                  | 35                                  |
| 16                                                | 10                         | 56                                   | 1.5                                 | 212                        | 163                                  | 93                                  | 313                        | 700                                  | 592                                 |
| 17                                                | 12                         | 52                                   | 1.7                                 | 317                        | 150                                  | 128                                 | 330                        | 300                                  | 267                                 |
| 18                                                | 11                         | 46                                   | 1.4                                 | 8120                       | 1710                                 | 37500                               | 79                         | 170                                  | 36                                  |
| 19                                                | 10                         | 64                                   | 1.7                                 | 9330                       | 1050                                 | 26500                               | 36                         | 140                                  | 14                                  |
| 20                                                | 6.1                        | 60                                   | .99                                 | 3090                       | 464                                  | 4040                                | 372                        | 928                                  | 932                                 |
| 21                                                | 124                        | 54                                   | 18                                  | 496                        | 190                                  | 254                                 | 3520                       | 4060                                 | 38600                               |
| 22                                                | 66                         | 62                                   | 11                                  | 365                        | 100                                  | 99                                  | 7410                       | 1870                                 | 37400                               |
| 23                                                | 54                         | 63                                   | 9.2                                 | 337                        | 250                                  | 227                                 | 2310                       | 685                                  | 4270                                |
| 24                                                | 124                        | 56                                   | 19                                  | 560                        | 730                                  | 1100                                | 299                        | 260                                  | 210                                 |
| 25                                                | 62                         | 56                                   | 9.4                                 | 288                        | 310                                  | 241                                 | 2130                       | 1320                                 | 7590                                |
| 26                                                | 31                         | 63                                   | 5.3                                 | 127                        | 240                                  | 82                                  | 2020                       | 900                                  | 4910                                |
| 27                                                | 15                         | 68                                   | 2.8                                 | 66                         | 230                                  | 41                                  | 327                        | 310                                  | 274                                 |
| 28                                                | 8.2                        | 62                                   | 1.4                                 | 47                         | 170                                  | 22                                  | 169                        | 150                                  | 68                                  |
| 29                                                | 4.0                        | 60                                   | .65                                 | 38                         | 150                                  | 15                                  | 104                        | 120                                  | 34                                  |
| 30                                                | 2.8                        | 73                                   | .55                                 | 32                         | 150                                  | 13                                  | 1680                       | 2100                                 | 9530                                |
| 31                                                | ---                        | ---                                  | ---                                 | 27                         | 120                                  | 6.7                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                             | 603.8                      | ---                                  | 94.43                               | 25119.46                   | ---                                  | 71815.08                            | 21543                      | ---                                  | 104888.6                            |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                               | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05507000 Elk Fork Salt River near Paris, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JULY 1981                                         |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| 1                                                 | 476                        | 1280                                 | 1650                                | 173                        | 100                                  | 47                                  | 10                         | ---                                  | ---                                 |
| 2                                                 | 400                        | 570                                  | 616                                 | 152                        | 140                                  | 57                                  | 7.5                        | ---                                  | ---                                 |
| 3                                                 | 306                        | 520                                  | 430                                 | 334                        | 340                                  | 307                                 | 6.8                        | ---                                  | ---                                 |
| 4                                                 | 183                        | 500                                  | 247                                 | 177                        | 310                                  | 148                                 | 5.4                        | ---                                  | ---                                 |
| 5                                                 | 799                        | 1100                                 | 2370                                | 1680                       | 1190                                 | 5400                                | 4.0                        | ---                                  | ---                                 |
| 6                                                 | 348                        | 790                                  | 742                                 | 390                        | 760                                  | 821                                 | 3.8                        | ---                                  | ---                                 |
| 7                                                 | 127                        | 370                                  | 127                                 | 173                        | 250                                  | 117                                 | 3.5                        | ---                                  | ---                                 |
| 8                                                 | 68                         | 170                                  | 31                                  | 95                         | 140                                  | 36                                  | 3.8                        | ---                                  | ---                                 |
| 9                                                 | 36                         | 160                                  | 16                                  | 66                         | 100                                  | 18                                  | 3.8                        | ---                                  | ---                                 |
| 10                                                | 32                         | 160                                  | 14                                  | 52                         | 70                                   | 4.8                                 | 3.5                        | ---                                  | ---                                 |
| 11                                                | 90                         | 140                                  | 34                                  | 49                         | 70                                   | 4.3                                 | 3.3                        | ---                                  | ---                                 |
| 12                                                | 68                         | 120                                  | 22                                  | 49                         | 60                                   | 7.9                                 | 2.8                        | ---                                  | ---                                 |
| 13                                                | 39                         | 70                                   | 7.4                                 | 50                         | 50                                   | 6.8                                 | 2.8                        | ---                                  | ---                                 |
| 14                                                | 31                         | 40                                   | 3.3                                 | 41                         | 52                                   | 5.5                                 | 4.7                        | ---                                  | ---                                 |
| 15                                                | 26                         | 30                                   | 2.1                                 | 32                         | 62                                   | 5.4                                 | 77                         | 105                                  | 22                                  |
| 16                                                | 24                         | 40                                   | 2.6                                 | 31                         | 44                                   | 5.7                                 | 32                         | 75                                   | 6.5                                 |
| 17                                                | 23                         | 50                                   | 3.1                                 | 29                         | 19                                   | 1.5                                 | 32                         | 83                                   | 7.2                                 |
| 18                                                | 1580                       | 3000                                 | 12800                               | 23                         | 19                                   | 1.2                                 | 19                         | 84                                   | 4.3                                 |
| 19                                                | 600                        | 1530                                 | 2480                                | 12                         | 17                                   | .55                                 | 10                         | 120                                  | 3.2                                 |
| 20                                                | 1230                       | 1950                                 | 6480                                | 11                         | 15                                   | .45                                 | 7.5                        | 152                                  | 2.7                                 |
| 21                                                | 344                        | 690                                  | 641                                 | 10                         | 18                                   | .49                                 | 4.7                        | 60                                   | .76                                 |
| 22                                                | 131                        | 300                                  | 106                                 | 9.6                        | 18                                   | .47                                 | 3.3                        | 62                                   | .55                                 |
| 23                                                | 6360                       | 2000                                 | 34300                               | 7.5                        | 19                                   | .38                                 | 2.3                        | 137                                  | .85                                 |
| 24                                                | 10100                      | 1310                                 | 35700                               | 8.2                        | 23                                   | .51                                 | 1.5                        | 91                                   | .37                                 |
| 25                                                | 7100                       | 1850                                 | 35500                               | 10                         | 20                                   | .54                                 | 1.8                        | 60                                   | .29                                 |
| 26                                                | 9610                       | 1280                                 | 33200                               | 17                         | ---                                  | ---                                 | 2.0                        | 40                                   | .22                                 |
| 27                                                | 9930                       | 754                                  | 20200                               | 12                         | ---                                  | ---                                 | 2.8                        | 38                                   | .29                                 |
| 28                                                | 9400                       | 638                                  | 16200                               | 11                         | ---                                  | ---                                 | 2.5                        | 48                                   | .32                                 |
| 29                                                | 3080                       | 531                                  | 4420                                | 7.5                        | ---                                  | ---                                 | 2.8                        | 48                                   | .36                                 |
| 30                                                | 359                        | 260                                  | 252                                 | 5.4                        | ---                                  | ---                                 | 4.0                        | 46                                   | .50                                 |
| 31                                                | 212                        | 120                                  | 69                                  | 10                         | ---                                  | ---                                 | ---                        | ---                                  | ---                                 |
| TOTAL                                             | 63112                      | ---                                  | 208665.5                            | 5727.2                     | ---                                  | 7003.49                             | 270.9                      | ---                                  | 50.41                               |
| YEAR                                              | 115283.08                  | ---                                  | 392568.56                           | ---                        | ---                                  | ---                                 | ---                        | ---                                  | ---                                 |
| OCTOBER 1981                                      |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| 1                                                 | 3.5                        | 55                                   | .52                                 | 138                        | 200                                  | 108                                 | 240                        | 92                                   | 60                                  |
| 2                                                 | 2.5                        | 36                                   | .24                                 | 980                        | 624                                  | 1310                                | 191                        | 113                                  | 58                                  |
| 3                                                 | 1.5                        | 28                                   | .11                                 | 899                        | 241                                  | 441                                 | 90                         | 78                                   | 19                                  |
| 4                                                 | 1.4                        | 22                                   | .08                                 | 1440                       | 395                                  | 1120                                | 52                         | 72                                   | 10                                  |
| 5                                                 | 1.8                        | 32                                   | .16                                 | 303                        | 122                                  | 100                                 | 36                         | 81                                   | 7.9                                 |
| 6                                                 | 2.5                        | 32                                   | .22                                 | 152                        | 70                                   | 29                                  | 26                         | 71                                   | 5.0                                 |
| 7                                                 | 2.8                        | 28                                   | .21                                 | 79                         | 66                                   | 14                                  | 21                         | 68                                   | 3.9                                 |
| 8                                                 | 3.0                        | 24                                   | .19                                 | 56                         | 58                                   | 6.8                                 | 19                         | 64                                   | 3.3                                 |
| 9                                                 | 2.8                        | 22                                   | .17                                 | 39                         | 42                                   | 4.4                                 | 16                         | 55                                   | 2.4                                 |
| 10                                                | 3.3                        | 20                                   | .18                                 | 29                         | 32                                   | 2.5                                 | 15                         | 41                                   | 1.7                                 |
| 11                                                | 3.8                        | 23                                   | .24                                 | 21                         | 42                                   | 2.4                                 | 12                         | 32                                   | 1.0                                 |
| 12                                                | 3.5                        | 28                                   | .26                                 | 17                         | 60                                   | 3.7                                 | 11                         | 28                                   | .83                                 |
| 13                                                | 4.7                        | 30                                   | .38                                 | 15                         | 56                                   | 2.3                                 | 10                         | 24                                   | .65                                 |
| 14                                                | 68                         | 193                                  | 35                                  | 14                         | 34                                   | 1.3                                 | 9.6                        | 15                                   | .39                                 |
| 15                                                | 43                         | 27                                   | 3.1                                 | 13                         | 36                                   | 1.3                                 | 8.9                        | 12                                   | .29                                 |
| 16                                                | 32                         | 28                                   | 2.4                                 | 12                         | 28                                   | .91                                 | 8.9                        | 14                                   | .34                                 |
| 17                                                | 23                         | 28                                   | 1.7                                 | 12                         | 28                                   | .91                                 | 8.9                        | 12                                   | .29                                 |
| 18                                                | 16                         | 28                                   | 1.2                                 | 12                         | 42                                   | 1.4                                 | 9.6                        | 12                                   | .31                                 |
| 19                                                | 10                         | 30                                   | .81                                 | 12                         | 30                                   | .97                                 | 8.9                        | 14                                   | .34                                 |
| 20                                                | 10                         | 32                                   | .86                                 | 15                         | 22                                   | .89                                 | 8.9                        | 18                                   | .43                                 |
| 21                                                | 9.7                        | 32                                   | .84                                 | 19                         | 25                                   | 1.3                                 | 8.9                        | 18                                   | .43                                 |
| 22                                                | 9.3                        | 20                                   | .50                                 | 16                         | 25                                   | 1.1                                 | 9.6                        | 14                                   | .36                                 |
| 23                                                | 9.3                        | 20                                   | .50                                 | 14                         | 16                                   | .60                                 | 8.9                        | 12                                   | .29                                 |
| 24                                                | 9.3                        | 22                                   | .55                                 | 12                         | 14                                   | .45                                 | 12                         | 10                                   | .32                                 |
| 25                                                | 8.2                        | 18                                   | .40                                 | 11                         | 16                                   | .48                                 | 16                         | 16                                   | .69                                 |
| 26                                                | 7.8                        | 12                                   | .25                                 | 14                         | 31                                   | 1.2                                 | 15                         | 10                                   | .41                                 |
| 27                                                | 7.4                        | 14                                   | .28                                 | 19                         | 41                                   | 2.1                                 | 15                         | 8                                    | .32                                 |
| 28                                                | 7.0                        | 16                                   | .30                                 | 16                         | 39                                   | 1.7                                 | 14                         | 8                                    | .30                                 |
| 29                                                | 7.1                        | 18                                   | .35                                 | 15                         | 28                                   | 1.1                                 | 14                         | 6                                    | .23                                 |
| 30                                                | 7.7                        | 18                                   | .37                                 | 38                         | 30                                   | 3.1                                 | 8.2                        | 6                                    | .13                                 |
| 31                                                | 6.2                        | 15                                   | .25                                 | ---                        | ---                                  | ---                                 | 7.5                        | 11                                   | .22                                 |
| TOTAL                                             | 328.1                      | ---                                  | 52.62                               | 4432                       | ---                                  | 3166.91                             | 931.8                      | ---                                  | 179.77                              |
| NOVEMBER 1981                                     |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| 1                                                 | 3.5                        | 55                                   | .52                                 | 138                        | 200                                  | 108                                 | 240                        | 92                                   | 60                                  |
| 2                                                 | 2.5                        | 36                                   | .24                                 | 980                        | 624                                  | 1310                                | 191                        | 113                                  | 58                                  |
| 3                                                 | 1.5                        | 28                                   | .11                                 | 899                        | 241                                  | 441                                 | 90                         | 78                                   | 19                                  |
| 4                                                 | 1.4                        | 22                                   | .08                                 | 1440                       | 395                                  | 1120                                | 52                         | 72                                   | 10                                  |
| 5                                                 | 1.8                        | 32                                   | .16                                 | 303                        | 122                                  | 100                                 | 36                         | 81                                   | 7.9                                 |
| 6                                                 | 2.5                        | 32                                   | .22                                 | 152                        | 70                                   | 29                                  | 26                         | 71                                   | 5.0                                 |
| 7                                                 | 2.8                        | 28                                   | .21                                 | 79                         | 66                                   | 14                                  | 21                         | 68                                   | 3.9                                 |
| 8                                                 | 3.0                        | 24                                   | .19                                 | 56                         | 58                                   | 6.8                                 | 19                         | 64                                   | 3.3                                 |
| 9                                                 | 2.8                        | 22                                   | .17                                 | 39                         | 42                                   | 4.4                                 | 16                         | 55                                   | 2.4                                 |
| 10                                                | 3.3                        | 20                                   | .18                                 | 29                         | 32                                   | 2.5                                 | 15                         | 41                                   | 1.7                                 |
| 11                                                | 3.8                        | 23                                   | .24                                 | 21                         | 42                                   | 2.4                                 | 12                         | 32                                   | 1.0                                 |
| 12                                                | 3.5                        | 28                                   | .26                                 | 17                         | 60                                   | 3.7                                 | 11                         | 28                                   | .83                                 |
| 13                                                | 4.7                        | 30                                   | .38                                 | 15                         | 56                                   | 2.3                                 | 10                         | 24                                   | .65                                 |
| 14                                                | 68                         | 193                                  | 35                                  | 14                         | 34                                   | 1.3                                 | 9.6                        | 15                                   | .39                                 |
| 15                                                | 43                         | 27                                   | 3.1                                 | 13                         | 36                                   | 1.3                                 | 8.9                        | 12                                   | .29                                 |
| 16                                                | 32                         | 28                                   | 2.4                                 | 12                         | 28                                   | .91                                 | 8.9                        | 14                                   | .34                                 |
| 17                                                | 23                         | 28                                   | 1.7                                 | 12                         | 28                                   | .91                                 | 8.9                        | 12                                   | .29                                 |
| 18                                                | 16                         | 28                                   | 1.2                                 | 12                         | 42                                   | 1.4                                 | 9.6                        | 12                                   | .31                                 |
| 19                                                | 10                         | 30                                   | .81                                 | 12                         | 30                                   | .97                                 | 8.9                        | 14                                   | .34                                 |
| 20                                                | 10                         | 32                                   | .86                                 | 15                         | 22                                   | .89                                 | 8.9                        | 18                                   | .43                                 |
| 21                                                | 9.7                        | 32                                   | .84                                 | 19                         | 25                                   | 1.3                                 | 8.9                        | 18                                   | .43                                 |
| 22                                                | 9.3                        | 20                                   | .50                                 | 16                         | 25                                   | 1.1                                 | 9.6                        | 14                                   | .36                                 |
| 23                                                | 9.3                        | 20                                   | .50                                 | 14                         | 16                                   | .60                                 | 8.9                        | 12                                   | .29                                 |
| 24                                                | 9.3                        | 22                                   | .55                                 | 12                         | 14                                   | .45                                 | 12                         | 10                                   | .32                                 |
| 25                                                | 8.2                        | 18                                   | .40                                 | 11                         | 16                                   | .48                                 | 16                         | 16                                   | .69                                 |
| 26                                                | 7.8                        | 12                                   | .25                                 | 14                         | 31                                   | 1.2                                 | 15                         | 10                                   | .41                                 |
| 27                                                | 7.4                        | 14                                   | .28                                 | 19                         | 41                                   | 2.1                                 | 15                         | 8                                    | .32                                 |
| 28                                                | 7.0                        | 16                                   | .30                                 | 16                         | 39                                   | 1.7                                 | 14                         | 8                                    | .30                                 |
| 29                                                | 7.1                        | 18                                   | .35                                 | 15                         | 28                                   | 1.1                                 | 14                         | 6                                    | .23                                 |
| 30                                                | 7.7                        | 18                                   | .37                                 | 38                         | 30                                   | 3.1                                 | 8.2                        | 6                                    | .13                                 |
| 31                                                | 6.2                        | 15                                   | .25                                 | ---                        | ---                                  | ---                                 | 7.5                        | 11                                   | .22                                 |
| TOTAL                                             | 328.1                      | ---                                  | 52.62                               | 4432                       | ---                                  | 3166.91                             | 931.8                      | ---                                  | 179.77                              |
| DECEMBER 1981                                     |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| 1                                                 | 3.5                        | 55                                   | .52                                 | 138                        | 200                                  | 108                                 | 240                        | 92                                   | 60                                  |
| 2                                                 | 2.5                        | 36                                   | .24                                 | 980                        | 624                                  | 1310                                | 191                        | 113                                  | 58                                  |
| 3                                                 | 1.5                        | 28                                   | .11                                 | 899                        | 241                                  | 441                                 | 90                         | 78                                   | 19                                  |
| 4                                                 | 1.4                        | 22                                   | .08                                 | 1440                       | 395                                  | 1120                                | 52                         | 72                                   | 10                                  |
| 5                                                 | 1.8                        | 32                                   | .16                                 | 303                        | 122                                  | 100                                 | 36                         | 81                                   | 7.9                                 |
| 6                                                 | 2.5                        | 32                                   | .22                                 | 152                        | 70                                   | 29                                  | 26                         | 71                                   | 5.0                                 |
| 7                                                 | 2.8                        | 28                                   | .21                                 | 79                         | 66                                   | 14                                  | 21                         | 68                                   | 3.9                                 |
| 8                                                 | 3.0                        | 24                                   | .19                                 | 56                         | 58                                   | 6.8                                 | 19                         | 64                                   | 3.3                                 |
| 9                                                 | 2.8                        | 22                                   | .17                                 | 39                         | 42                                   | 4.4                                 | 16                         | 55                                   | 2.4                                 |
| 10                                                | 3.3                        | 20                                   | .18                                 | 29                         | 32                                   | 2.5                                 | 15                         | 41                                   | 1.7                                 |
| 11                                                | 3.8                        | 23                                   | .24                                 | 21                         | 42                                   | 2.4                                 | 12                         | 32                                   | 1.0                                 |
| 12                                                | 3.5                        | 28                                   | .26                                 | 17                         | 60                                   | 3.7                                 | 11                         | 28                                   | .83                                 |
| 13                                                | 4.7                        | 30                                   | .38                                 | 15                         | 56                                   | 2.3                                 | 10                         | 24                                   | .65                                 |
| 14                                                | 68                         | 193                                  | 35                                  | 14                         | 34                                   | 1.3                                 | 9.6                        | 15                                   | .39                                 |
| 15                                                | 43                         | 27                                   | 3.1                                 | 13                         | 36                                   | 1.3                                 | 8.9                        | 12                                   | .29                                 |
| 16                                                | 32                         | 28                                   | 2.4                                 | 12                         | 28                                   | .91                                 | 8.9                        | 14                                   | .34                                 |
| 17                                                | 23                         | 28                                   | 1.7                                 | 12                         | 28                                   | .91                                 | 8.9                        | 12                                   | .29                                 |
| 18                                                | 16                         | 28                                   | 1.2                                 | 12                         | 42                                   | 1.4                                 | 9.6                        | 12                                   | .31                                 |
| 19                                                | 10                         | 30                                   | .81                                 | 12                         | 30                                   | .97                                 | 8.9                        | 14                                   | .34                                 |
| 20                                                | 10                         | 32                                   | .86                                 | 15                         | 22                                   | .89                                 | 8.9                        | 18                                   | .43                                 |
| 21                                                | 9.7                        | 32                                   | .84                                 | 19                         | 25                                   | 1.3                                 | 8.9                        | 18                                   | .43                                 |
| 22                                                | 9.3                        | 20                                   | .50                                 | 16                         | 25                                   | 1.1                                 | 9.6                        | 14                                   | .36                                 |
| 23                                                | 9.3                        | 20                                   | .50                                 | 14                         | 16                                   | .60                                 | 8.9                        | 12                                   | .29                                 |
| 24                                                | 9.3                        | 22                                   | .55                                 | 12                         | 14                                   | .45                                 | 12                         | 10                                   | .32                                 |
| 25                                                | 8.2                        | 18                                   | .40                                 | 11                         | 16                                   | .48                                 | 16                         | 16                                   | .69                                 |
| 26                                                | 7.8                        | 12                                   | .25                                 | 14                         | 31                                   | 1.2                                 | 15                         | 10                                   | .41                                 |
| 27                                                | 7.4                        | 14                                   | .28                                 | 19                         | 41                                   | 2.1                                 | 15                         | 8                                    | .32                                 |
| 28                                                | 7.0                        | 16                                   | .30                                 | 16                         | 39                                   | 1.7                                 | 14                         | 8                                    | .30                                 |
| 29                                                | 7.1                        | 18                                   | .35                                 | 15                         | 28                                   | 1.1                                 | 14                         | 6                                    | .23                                 |
| 30                                                | 7.7                        | 18                                   | .37                                 | 38                         | 30                                   | 3.1                                 | 8.2                        | 6                                    | .13                                 |
| 31                                                | 6.2                        | 15                                   | .25                                 | ---                        | ---                                  | ---                                 | 7.5                        | 11                                   | .22                                 |
| TOTAL                                             | 328.1                      | ---                                  | 52.62                               | 4432                       | ---                                  | 3166.91                             | 931.8                      | ---                                  | 179.77                              |

Discharge, suspended-sediment concentration, and suspended-sediment discharge data  
for stations in the Salt River basin--continued

| DAY                                               | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) | MEAN<br>DISCHARGE<br>(CFS) | MEAN<br>CONCEN-<br>TRATION<br>(MG/L) | SEDIMENT<br>DISCHARGE<br>(TUNS/DAY) |
|---------------------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|----------------------------|--------------------------------------|-------------------------------------|
| 05507000 Elk Fork Salt River near Paris, Missouri |                            |                                      |                                     |                            |                                      |                                     |                            |                                      |                                     |
| JANUARY 1982                                      |                            |                                      | FEBRUARY 1982                       |                            |                                      | MARCH 1982                          |                            |                                      |                                     |
| 1                                                 | 6.8                        | 10                                   | .18                                 | 484                        | 130                                  | 170                                 | 75                         | 44                                   | 8.9                                 |
| 2                                                 | 7.5                        | 8                                    | .16                                 | 348                        | 76                                   | 71                                  | 75                         | 40                                   | 8.1                                 |
| 3                                                 | 10                         | 8                                    | .22                                 | 257                        | 54                                   | 37                                  | 81                         | 70                                   | 15                                  |
| 4                                                 | 21                         | 12                                   | .68                                 | 138                        | 58                                   | 22                                  | 201                        | 95                                   | 52                                  |
| 5                                                 | 18                         | 10                                   | .43                                 | 90                         | 56                                   | 14                                  | 236                        | 80                                   | 51                                  |
| 6                                                 | 11                         | 10                                   | .30                                 | 52                         | 52                                   | 7.3                                 | 138                        | 54                                   | 20                                  |
| 7                                                 | 10                         | 10                                   | .27                                 | 39                         | 42                                   | 4.4                                 | 117                        | 45                                   | 14                                  |
| 8                                                 | 7.6                        | 10                                   | .21                                 | 31                         | 59                                   | 4.9                                 | 87                         | 58                                   | 14                                  |
| 9                                                 | 6.6                        | 12                                   | .21                                 | 28                         | 60                                   | 4.5                                 | 70                         | 72                                   | 14                                  |
| 10                                                | 6.0                        | 12                                   | .19                                 | 27                         | 47                                   | 3.4                                 | 60                         | 61                                   | 9.9                                 |
| 11                                                | 5.8                        | 20                                   | .31                                 | 26                         | 39                                   | 2.7                                 | 68                         | 63                                   | 12                                  |
| 12                                                | 5.6                        | 26                                   | .39                                 | 26                         | 39                                   | 2.7                                 | 79                         | 76                                   | 16                                  |
| 13                                                | 5.4                        | 31                                   | .45                                 | 30                         | 42                                   | 3.4                                 | 110                        | 54                                   | 16                                  |
| 14                                                | 5.4                        | 41                                   | .60                                 | 50                         | 48                                   | 6.5                                 | 383                        | 365                                  | 627                                 |
| 15                                                | 5.6                        | 32                                   | .48                                 | 376                        | 104                                  | 106                                 | 2170                       | 2440                                 | 10400                               |
| 16                                                | 6.7                        | 50                                   | .90                                 | 2510                       | 268                                  | 1820                                | 3840                       | 5070                                 | 29400                               |
| 17                                                | 6.7                        | 36                                   | .65                                 | 1550                       | 178                                  | 745                                 | 1540                       | 1260                                 | 5240                                |
| 18                                                | 6.4                        | 32                                   | .55                                 | 1210                       | 160                                  | 523                                 | 338                        | 450                                  | 411                                 |
| 19                                                | 6.1                        | 41                                   | .68                                 | 2850                       | 1010                                 | 5830                                | 226                        | 192                                  | 117                                 |
| 20                                                | 6.0                        | 48                                   | .78                                 | 2270                       | 180                                  | 1100                                | 194                        | 133                                  | 70                                  |
| 21                                                | 6.0                        | 48                                   | .78                                 | 804                        | 190                                  | 412                                 | 149                        | 93                                   | 37                                  |
| 22                                                | 6.8                        | 76                                   | 1.4                                 | 415                        | 140                                  | 157                                 | 107                        | 69                                   | 20                                  |
| 23                                                | 35                         | 90                                   | 8.5                                 | 327                        | 82                                   | 72                                  | 81                         | 64                                   | 14                                  |
| 24                                                | 33                         | 104                                  | 9.3                                 | 250                        | 62                                   | 42                                  | 70                         | 72                                   | 14                                  |
| 25                                                | 40                         | 83                                   | 9.0                                 | 163                        | 55                                   | 24                                  | 117                        | 93                                   | 29                                  |
| 26                                                | 38                         | 110                                  | 11                                  | 128                        | 60                                   | 21                                  | 152                        | 94                                   | 39                                  |
| 27                                                | 70                         | 120                                  | 23                                  | 93                         | 52                                   | 13                                  | 114                        | 83                                   | 26                                  |
| 28                                                | 201                        | 300                                  | 163                                 | 79                         | 40                                   | 8.5                                 | 75                         | 93                                   | 19                                  |
| 29                                                | 1160                       | 1800                                 | 5640                                | ---                        | ---                                  | ---                                 | 59                         | 78                                   | 12                                  |
| 30                                                | 6210                       | 410                                  | 6870                                | ---                        | ---                                  | ---                                 | 74                         | 220                                  | 44                                  |
| 31                                                | 4130                       | 202                                  | 2250                                | ---                        | ---                                  | ---                                 | 64                         | 217                                  | 37                                  |
| TOTAL                                             | 12092.0                    | ---                                  | 14994.62                            | 14651                      | ---                                  | 11227.3                             | 11150                      | ---                                  | 46806.9                             |
| APRIL 1982                                        |                            |                                      | MAY 1982                            |                            |                                      | JUNE 1982                           |                            |                                      |                                     |
| 1                                                 | 70                         | 128                                  | 24                                  | 14                         | 70                                   | 2.6                                 | 1170                       | 658                                  | 2080                                |
| 2                                                 | 56                         | 72                                   | 11                                  | 14                         | 89                                   | 3.4                                 | 295                        | 358                                  | 285                                 |
| 3                                                 | 117                        | 67                                   | 21                                  | 12                         | 74                                   | 2.4                                 | 124                        | 202                                  | 68                                  |
| 4                                                 | 148                        | 70                                   | 28                                  | 11                         | 52                                   | 1.5                                 | 81                         | 130                                  | 28                                  |
| 5                                                 | 79                         | 160                                  | 34                                  | 11                         | 78                                   | 2.3                                 | 95                         | 110                                  | 28                                  |
| 6                                                 | 72                         | 232                                  | 45                                  | 16                         | 84                                   | 3.6                                 | 101                        | 180                                  | 49                                  |
| 7                                                 | 74                         | 198                                  | 40                                  | 26                         | 69                                   | 4.8                                 | 1810                       | 2480                                 | 15300                               |
| 8                                                 | 61                         | 86                                   | 14                                  | 43                         | 70                                   | 8.1                                 | 3140                       | 1970                                 | 12300                               |
| 9                                                 | 61                         | 96                                   | 16                                  | 26                         | 58                                   | 4.1                                 | 9030                       | 1030                                 | 25108                               |
| 10                                                | 65                         | 84                                   | 15                                  | 19                         | 74                                   | 3.8                                 | 10900                      | 610                                  | 18000                               |
| 11                                                | 60                         | 50                                   | 8.1                                 | 12                         | 86                                   | 2.8                                 | 1370                       | 350                                  | 1290                                |
| 12                                                | 52                         | 54                                   | 7.6                                 | 11                         | 85                                   | 2.5                                 | 306                        | 205                                  | 169                                 |
| 13                                                | 47                         | 60                                   | 7.6                                 | 11                         | 92                                   | 2.7                                 | 219                        | 108                                  | 64                                  |
| 14                                                | 38                         | 64                                   | 6.6                                 | 11                         | 100                                  | 3.0                                 | 152                        | 89                                   | 37                                  |
| 15                                                | 32                         | 62                                   | 5.4                                 | 12                         | 138                                  | 4.5                                 | 110                        | 88                                   | 26                                  |
| 16                                                | 64                         | 98                                   | 17                                  | 201                        | 370                                  | 201                                 | 229                        | 86                                   | 53                                  |
| 17                                                | 306                        | 742                                  | 613                                 | 376                        | 739                                  | 750                                 | 247                        | 92                                   | 61                                  |
| 18                                                | 166                        | 424                                  | 190                                 | 232                        | 572                                  | 358                                 | 114                        | 82                                   | 25                                  |
| 19                                                | 64                         | 243                                  | 42                                  | 148                        | 590                                  | 236                                 | 61                         | 86                                   | 19                                  |
| 20                                                | 50                         | 190                                  | 26                                  | 101                        | 268                                  | 79                                  | 62                         | 62                                   | 14                                  |
| 21                                                | 41                         | 259                                  | 29                                  | 75                         | 352                                  | 71                                  | 47                         | 79                                   | 10                                  |
| 22                                                | 34                         | 342                                  | 31                                  | 152                        | 323                                  | 133                                 | 31                         | 80                                   | 6.7                                 |
| 23                                                | 29                         | 231                                  | 18                                  | 90                         | 209                                  | 51                                  | 24                         | 66                                   | 4.3                                 |
| 24                                                | 26                         | 182                                  | 13                                  | 49                         | 174                                  | 23                                  | 22                         | 128                                  | 7.6                                 |
| 25                                                | 23                         | 128                                  | 7.9                                 | 52                         | 160                                  | 22                                  | 19                         | 68                                   | 3.5                                 |
| 26                                                | 24                         | 98                                   | 6.4                                 | 278                        | 382                                  | 287                                 | 18                         | ---                                  | ---                                 |
| 27                                                | 21                         | 71                                   | 4.0                                 | 138                        | 345                                  | 129                                 | 145                        | ---                                  | ---                                 |
| 28                                                | 19                         | 76                                   | 3.9                                 | 81                         | 203                                  | 44                                  | 215                        | ---                                  | ---                                 |
| 29                                                | 16                         | 88                                   | 3.8                                 | 62                         | 152                                  | 25                                  | 68                         | ---                                  | ---                                 |
| 30                                                | 16                         | 78                                   | 3.4                                 | 141                        | 150                                  | 57                                  | 43                         | ---                                  | ---                                 |
| 31                                                | ---                        | ---                                  | ---                                 | 1330                       | 472                                  | 1690                                | ---                        | ---                                  | ---                                 |
| TOTAL                                             | 1931                       | ---                                  | 1291.7                              | 3755                       | ---                                  | 4208.1                              | 30268                      | ---                                  | 75028.1                             |

## Suspended-sediment particle size for stations in the Salt River basin

[CFS=cubic feet per second; MM=millimeters]

| DATE                                                        | STREAM-<br>FLOW,<br>INSTAN-<br>TANEOUS<br>(CFS) | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>.002 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>.004 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>.008 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>.016 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>.062 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>.125 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>.250 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>.500 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>1.00 MM | SED.<br>SUSP.<br>FALL<br>DIAM.<br>%FINER<br>THAN<br>2.00 MM |
|-------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| 05503500 North Fork Salt River near Hunnewell, Missouri     |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| APR, 1981                                                   |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 14...                                                       | 3,200                                           | 54                                                          | 60                                                          | 68                                                          | 80                                                          | 98                                                          | 99                                                          | 100                                                         | 100                                                         | 100                                                         | 100                                                         |
| MAY                                                         |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 15...                                                       | 4,860                                           | 57                                                          | 62                                                          | 64                                                          | 72                                                          | 91                                                          | 95                                                          | 99                                                          | 100                                                         | 100                                                         | 100                                                         |
| 16...                                                       | 5,980                                           | 47                                                          | 51                                                          | 55                                                          | 60                                                          | 69                                                          | 71                                                          | 74                                                          | 96                                                          | 100                                                         | 100                                                         |
| 19...                                                       | 7,320                                           | 71                                                          | 74                                                          | 77                                                          | 79                                                          | 86                                                          | 88                                                          | 91                                                          | 98                                                          | 100                                                         | 100                                                         |
| JUN                                                         |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 26...                                                       | 4,940                                           | 76                                                          | 82                                                          | 85                                                          | 88                                                          | 96                                                          | 97                                                          | 100                                                         | 100                                                         | 100                                                         | 100                                                         |
| JUL                                                         |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 29...                                                       | 12,300                                          | 60                                                          | 63                                                          | 65                                                          | 68                                                          | 80                                                          | 86                                                          | 91                                                          | 100                                                         | 100                                                         | 100                                                         |
| MAR, 1982                                                   |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 17...                                                       | 7,440                                           | 75                                                          | 79                                                          | 83                                                          | 90                                                          | 95                                                          | 96                                                          | 98                                                          | 100                                                         | 100                                                         | 100                                                         |
| 05505000 South Fork Salt River at Santa Fe, Missouri        |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| MAY, 1981                                                   |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 18...                                                       | 3,780                                           | 55                                                          | 61                                                          | 71                                                          | 83                                                          | 94                                                          | 95                                                          | 99                                                          | 100                                                         | 100                                                         | 100                                                         |
| JUN                                                         |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 22...                                                       | 12,100                                          | 73                                                          | 80                                                          | 84                                                          | 88                                                          | 97                                                          | 98                                                          | 99                                                          | 100                                                         | 100                                                         | 100                                                         |
| JUL                                                         |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 24...                                                       | 6,620                                           | 59                                                          | 69                                                          | 77                                                          | 85                                                          | 98                                                          | 98                                                          | 99                                                          | 100                                                         | 100                                                         | 100                                                         |
| 05506000 Youngs Creek near Mexico, Missouri                 |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| JUL, 1981                                                   |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 23...                                                       | 2,260                                           | 62                                                          | 68                                                          | 78                                                          | 87                                                          | 95                                                          | 96                                                          | 98                                                          | 100                                                         | 100                                                         | 100                                                         |
| 00506190 Middle Fork Salt River at Duncans Bridge, Missouri |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| JUN, 1981                                                   |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 25...                                                       | 3,140                                           | 75                                                          | 87                                                          | 92                                                          | 92                                                          | 98                                                          | 100                                                         | 100                                                         | 100                                                         | 100                                                         | 100                                                         |
| MAR, 1982                                                   |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 17...                                                       | 2,260                                           | 79                                                          | 83                                                          | 86                                                          | 89                                                          | 95                                                          | 96                                                          | 97                                                          | 100                                                         | 100                                                         | 100                                                         |
| 05506500 Middle Fork Salt River at Paris, Missouri          |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| MAY, 1981                                                   |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 15...                                                       | 2,320                                           | 52                                                          | 56                                                          | 63                                                          | 75                                                          | 95                                                          | 96                                                          | 98                                                          | 100                                                         | 100                                                         | 100                                                         |
| 18...                                                       | 5,350                                           | 36                                                          | 44                                                          | 45                                                          | 50                                                          | 59                                                          | 62                                                          | 67                                                          | 83                                                          | 100                                                         | 100                                                         |
| JUN                                                         |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 25...                                                       | 3,230                                           | 55                                                          | 61                                                          | 68                                                          | 82                                                          | 94                                                          | 95                                                          | 96                                                          | 98                                                          | 99                                                          | 100                                                         |
| JUL                                                         |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 23...                                                       | 3,560                                           | 50                                                          | 57                                                          | 68                                                          | 79                                                          | 96                                                          | 98                                                          | 99                                                          | 100                                                         | 100                                                         | 100                                                         |
| 30...                                                       | 5,400                                           | 60                                                          | 64                                                          | 65                                                          | 70                                                          | 70                                                          | 83                                                          | 90                                                          | 100                                                         | 100                                                         | 100                                                         |
| 00507000 Elk Fork Salt River near Paris, Missouri           |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| MAY, 1981                                                   |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 15...                                                       | 357                                             | 73                                                          | 77                                                          | 88                                                          | 94                                                          | 100                                                         | 100                                                         | 100                                                         | 100                                                         | 100                                                         | 100                                                         |
| 18...                                                       | 7,600                                           | 61                                                          | 65                                                          | 71                                                          | 79                                                          | 92                                                          | 94                                                          | 96                                                          | 100                                                         | 100                                                         | 100                                                         |
| 19...                                                       | 7,890                                           | 59                                                          | 63                                                          | 67                                                          | 73                                                          | 86                                                          | 91                                                          | 94                                                          | 100                                                         | 100                                                         | 100                                                         |
| JUL                                                         |                                                 |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |                                                             |
| 23...                                                       | 9,420                                           | 39                                                          | 52                                                          | 55                                                          | 66                                                          | 74                                                          | 75                                                          | 77                                                          | 84                                                          | 94                                                          | 100                                                         |
| 29...                                                       | 1,680                                           | 57                                                          | 60                                                          | 69                                                          | 79                                                          | 97                                                          | 100                                                         | 100                                                         | 100                                                         | 100                                                         | 100                                                         |